

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023069.D
 Acq On : 13 Aug 2025 14:55
 Operator : SY/MD
 Sample : Q2819-07
 Misc : 6.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11M-N

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/18/2025
 Supervised By :Semsettin Yesilyurt 08/19/2025

Quant Time: Aug 14 01:24:42 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	7.707	168	499481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	998493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	877177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	339290	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	316941	66.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.160%			
35) Dibromofluoromethane	7.628	113	329759	55.193	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.380%			
50) Toluene-d8	10.103	98	1198822	51.362	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.720%			
62) 4-Bromofluorobenzene	12.401	95	378383	50.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.820%			
Target Compounds						Qvalue
16) Acetone	3.866	43	50603	49.067	ug/l	97
17) Carbon Disulfide	4.098	76	24835	1.582	ug/l	97
25) 2-Butanone	6.884	43	17580	12.534	ug/l	95
52) Toluene	10.164	92	104466	6.010	ug/l	100
67) Ethyl Benzene	11.511	91	1711204	52.554	ug/l	99
68) m/p-Xylenes	11.621	106	2334647	183.584	ug/l	99
69) o-Xylene	11.950	106	979527	82.239	ug/l	98
73) Isopropylbenzene	12.255	105	2066252	86.285	ug/l	76
78) n-propylbenzene	12.590	91	304969	10.697	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	2717714	140.425	ug/l	99
84) 1,2,4-Trimethylbenzene	13.035	105	7563336	392.581	ug/l	96
86) p-Isopropyltoluene	13.285	119	1058617	49.669	ug/l	# 78
89) n-Butylbenzene	13.609	91	44480m	2.272	ug/l	

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

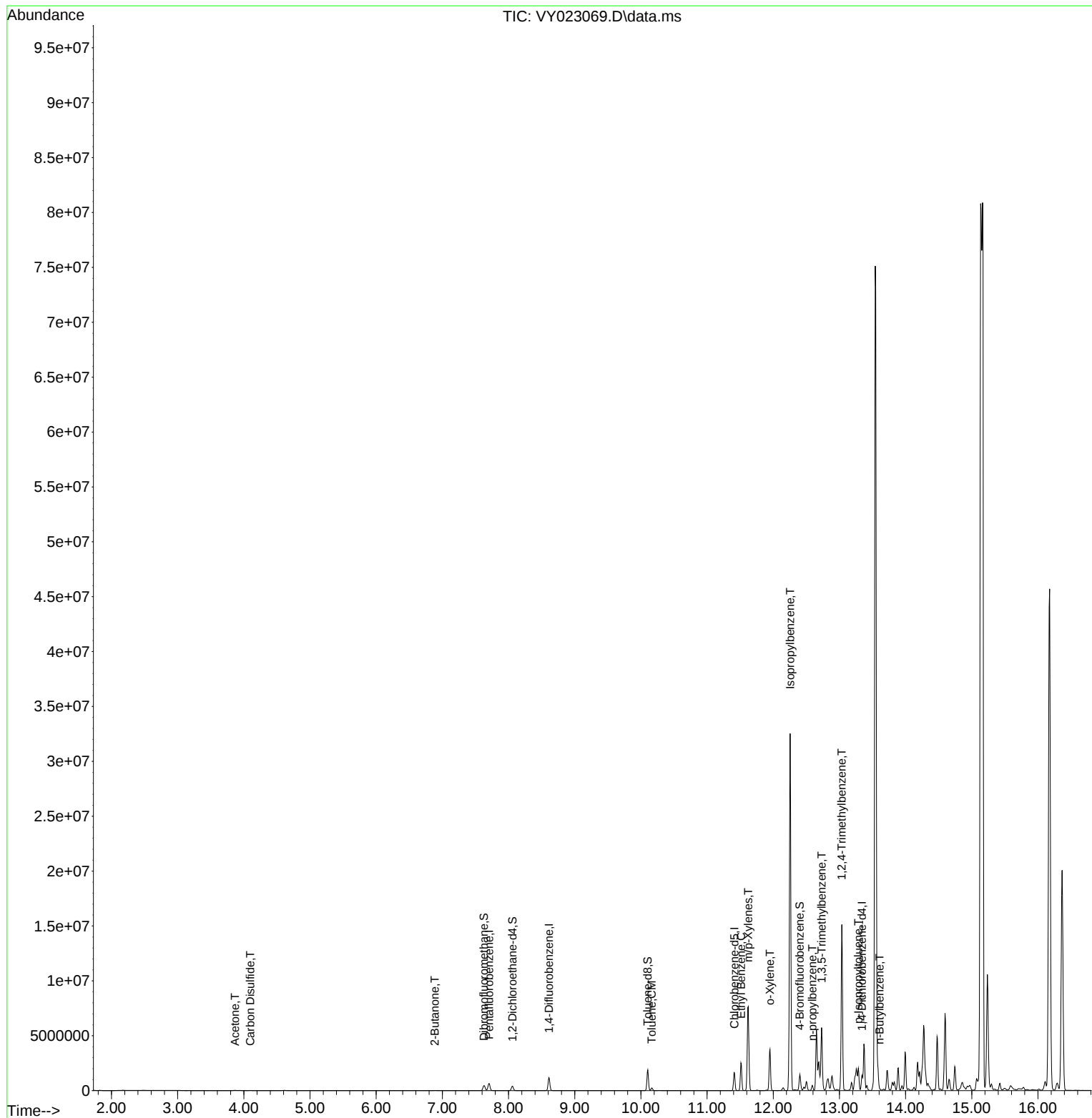
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
Data File : VY023069.D
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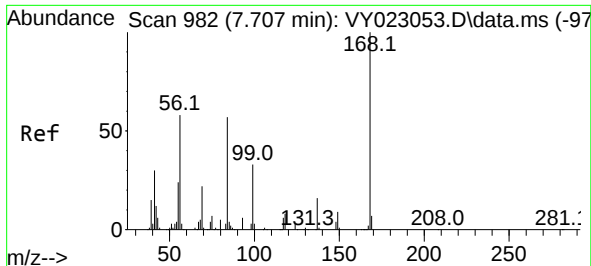
Instrument :
MSVOA_Y
ClientSampleId :
11M-N

Quant Time: Aug 14 01:24:42 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

Manual Integrations
APPROVED

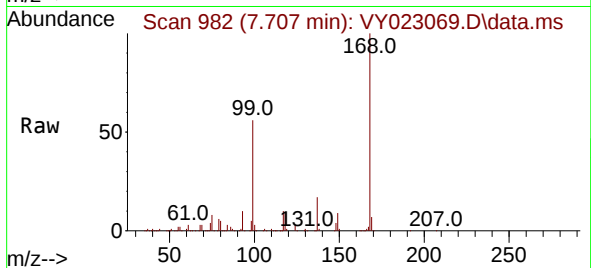
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

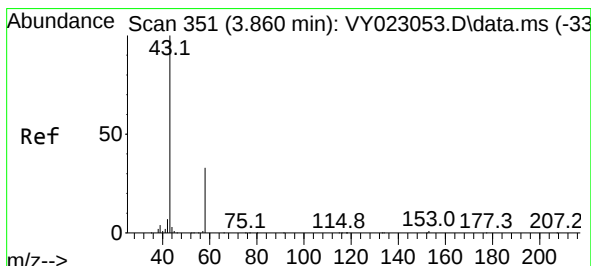
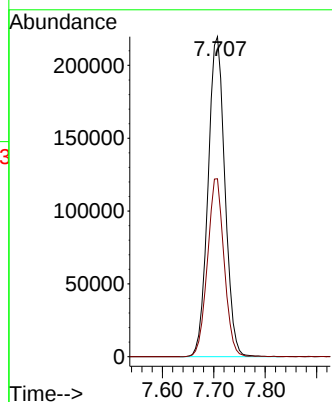
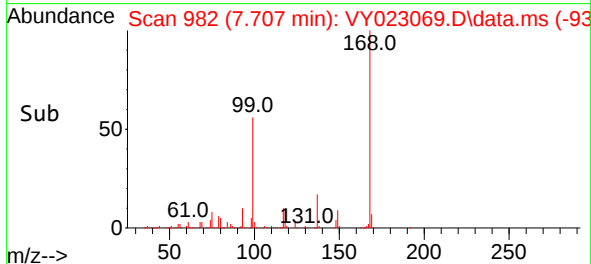
Instrument :
MSVOA_Y
ClientSampleId :
11M-N



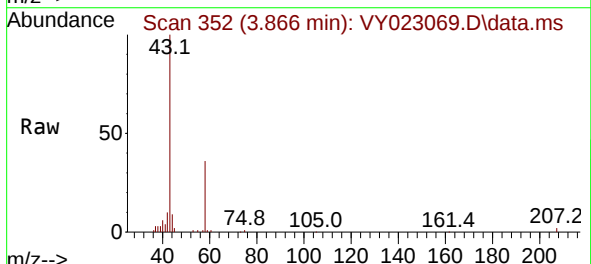
Tgt Ion:168 Resp: 49948
Ion Ratio Lower Upper
168 100
99 55.6 42.8 64.2

Manual Integrations
APPROVED

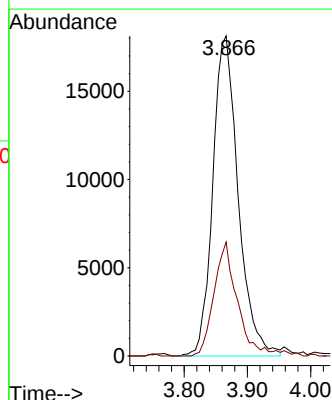
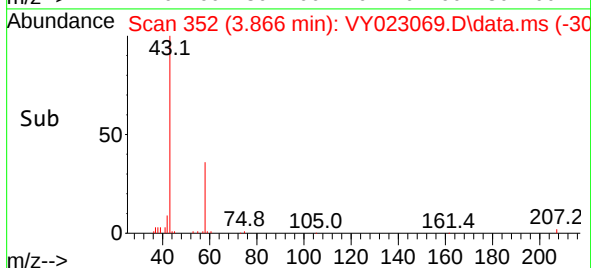
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025

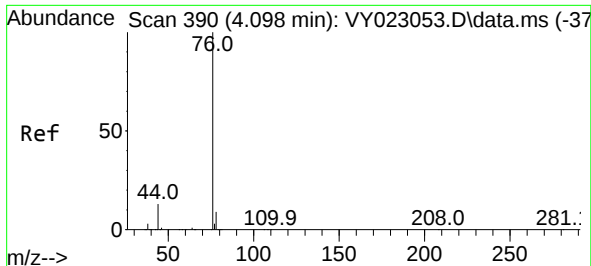


#16
Acetone
Concen: 49.067 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55



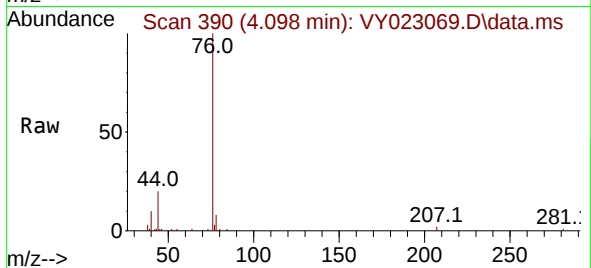
Tgt Ion: 43 Resp: 50603
Ion Ratio Lower Upper
43 100
58 35.5 27.1 40.7





#17
Carbon Disulfide
Concen: 1.582 ug/l
RT: 4.098 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

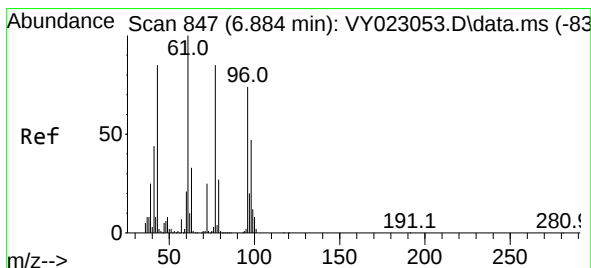
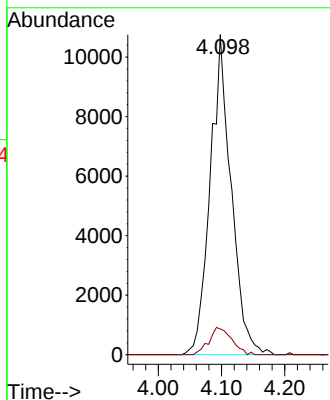
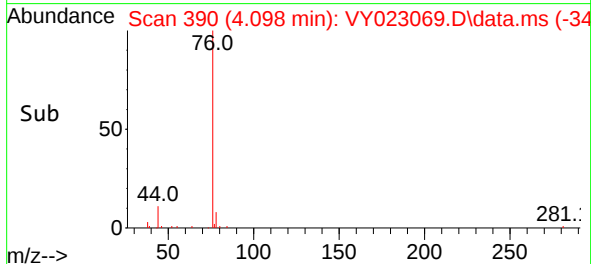
Instrument :
MSVOA_Y
ClientSampleId :
11M-N



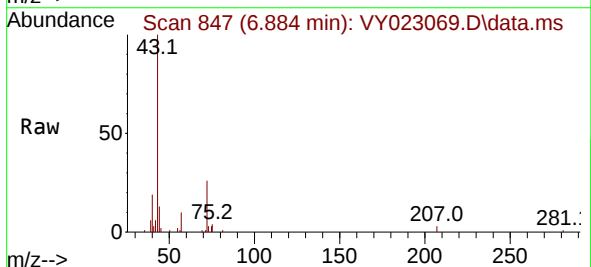
Tgt Ion: 76 Resp: 2483
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2

Manual Integrations
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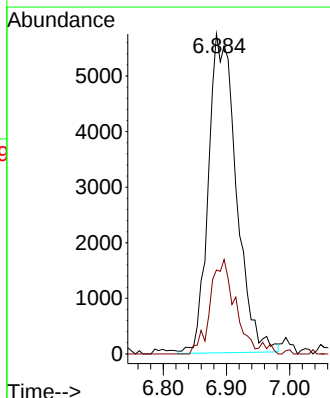
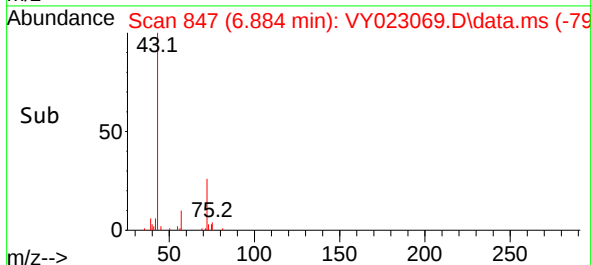
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025



#25
2-Butanone
Concen: 12.534 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55



Tgt Ion: 43 Resp: 17580
Ion Ratio Lower Upper
43 100
72 26.5 23.5 35.3





#33

1,2-Dichloroethane-d4

Concen: 66.579 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023069.D

Acq: 13 Aug 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

11M-N

Tgt Ion: 65 Resp: 31694

Ion Ratio Lower Upper

65 100

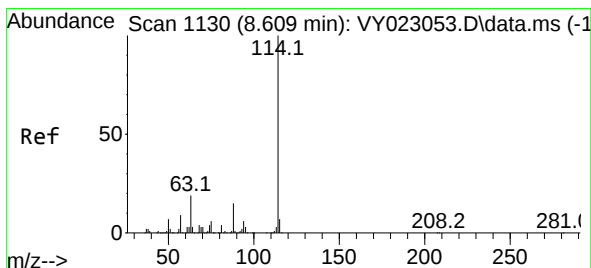
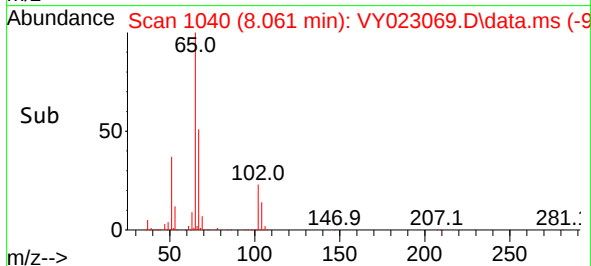
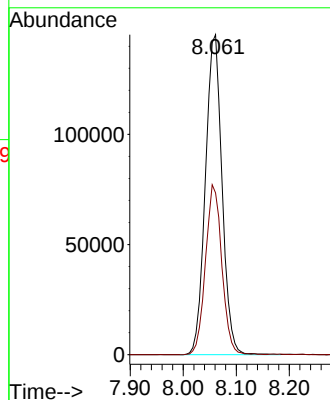
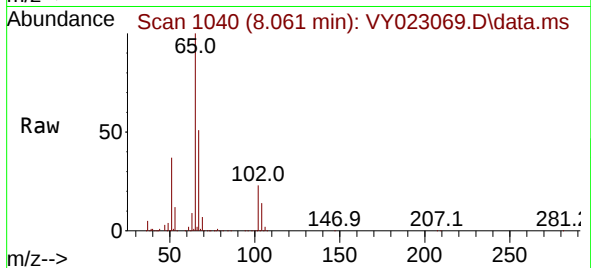
67 52.1 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY023069.D

Acq: 13 Aug 2025 14:55

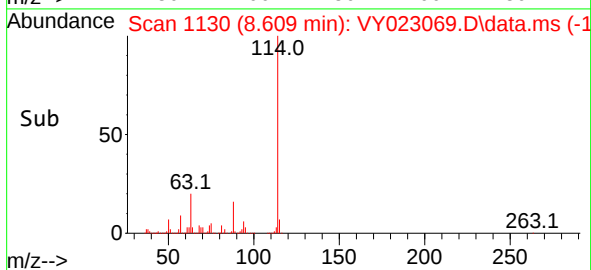
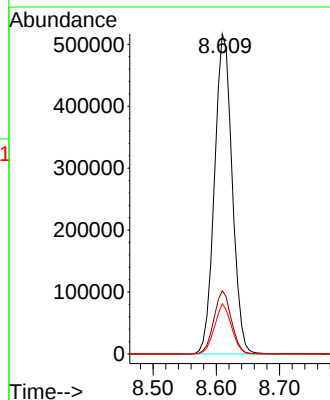
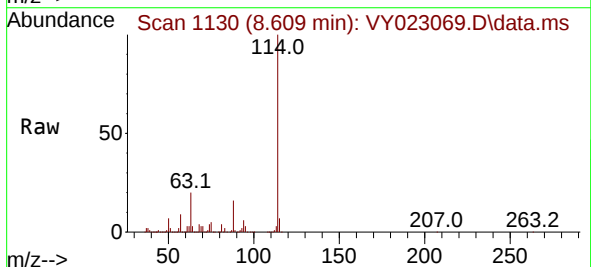
Tgt Ion:114 Resp: 998493

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

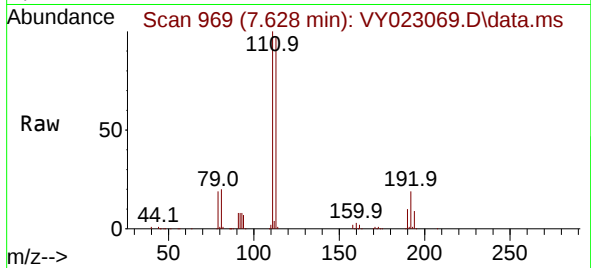
88 15.7 0.0 30.0





#35
Dibromofluoromethane
Concen: 55.193 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

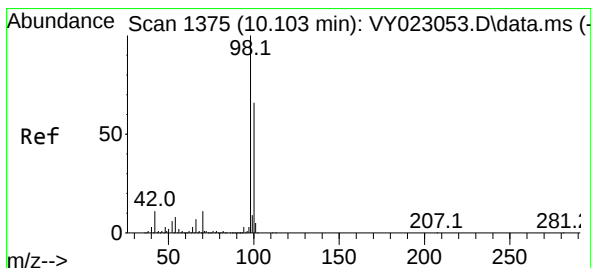
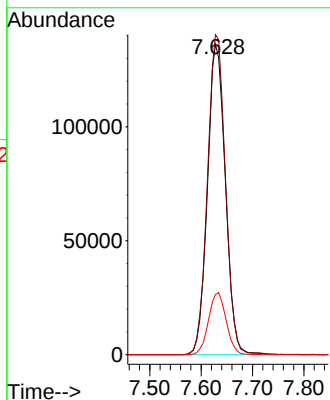
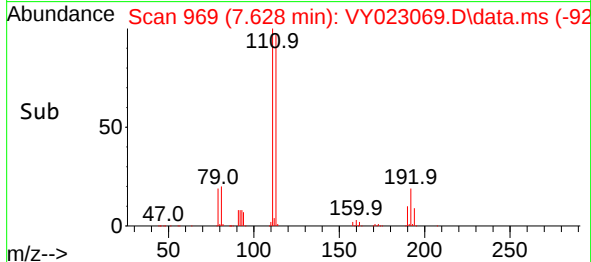
Instrument :
MSVOA_Y
ClientSampleId :
11M-N



Tgt Ion:113 Resp: 329759
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 19.7 16.2 24.4

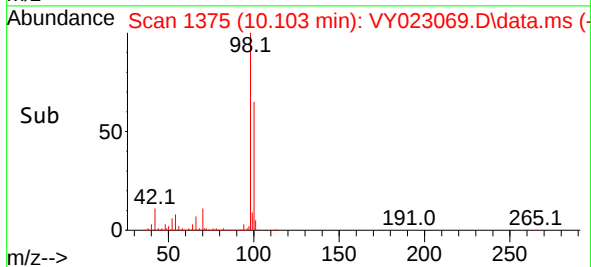
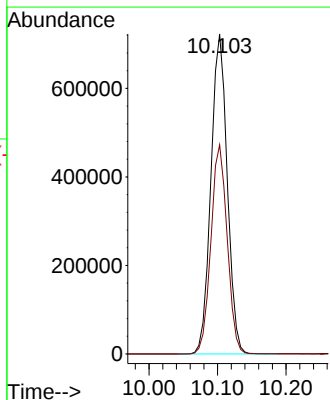
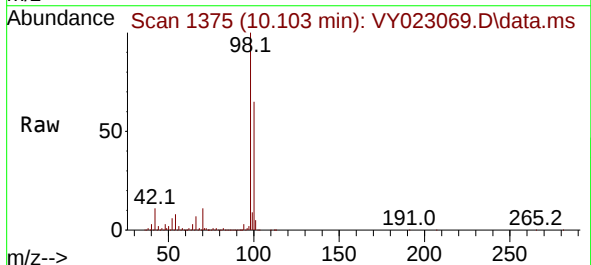
Manual Integrations
APPROVED

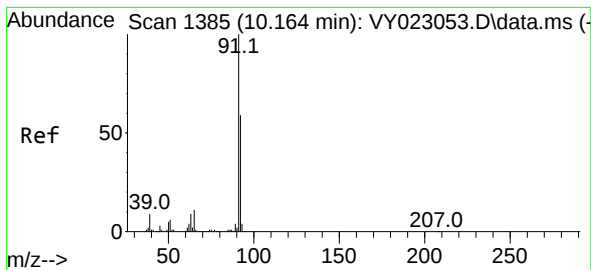
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025



#50
Toluene-d8
Concen: 51.362 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

Tgt Ion: 98 Resp: 1198822
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5





#52

Toluene

Concen: 6.010 ug/l

RT: 10.164 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023069.D

Acq: 13 Aug 2025 14:55

Instrument :

MSVOA_Y

ClientSampleId :

11M-N

Tgt Ion: 92 Resp: 104460

Ion Ratio Lower Upper

92 100

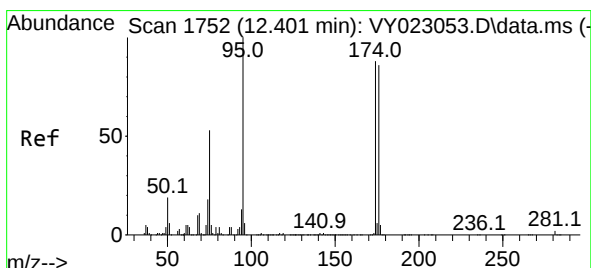
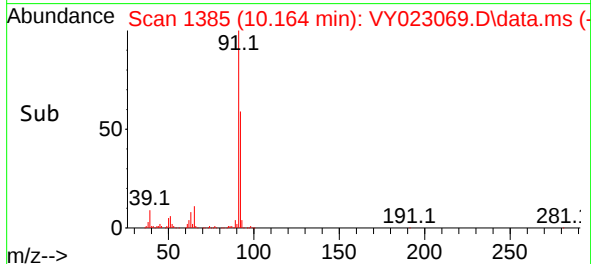
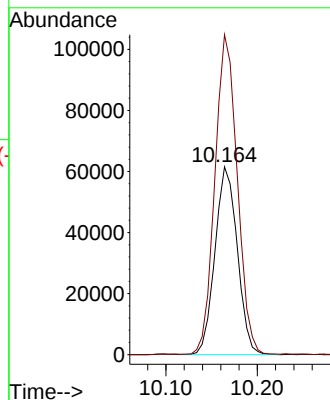
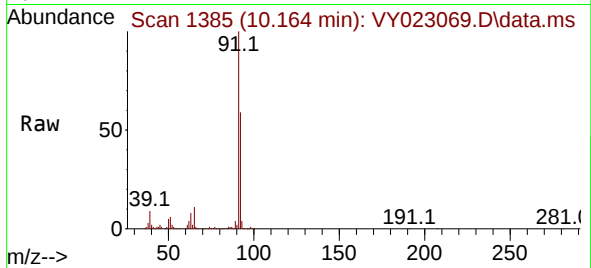
91 170.6 136.4 204.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 08/18/2025

Supervised By :Semsettin Yesilyurt 08/19/2025



#62

4-Bromofluorobenzene

Concen: 50.409 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023069.D

Acq: 13 Aug 2025 14:55

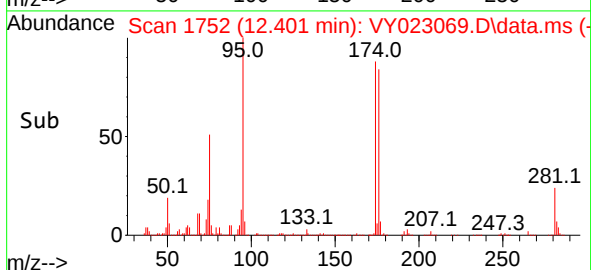
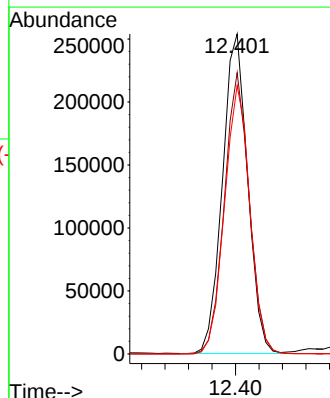
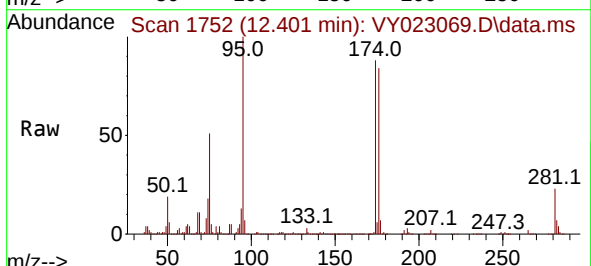
Tgt Ion: 95 Resp: 378383

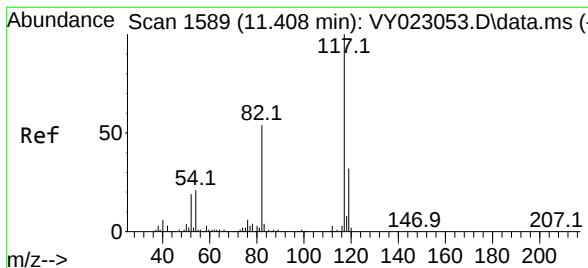
Ion Ratio Lower Upper

95 100

174 87.1 0.0 171.6

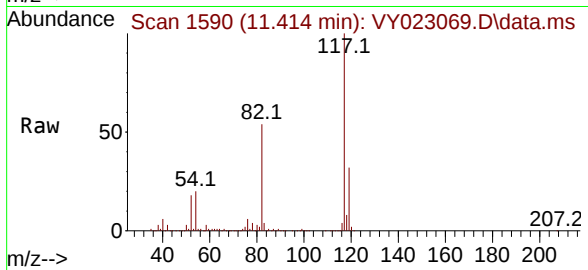
176 84.7 0.0 167.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

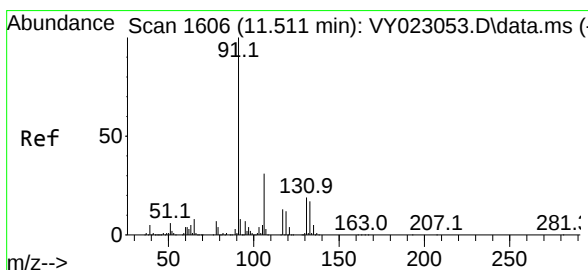
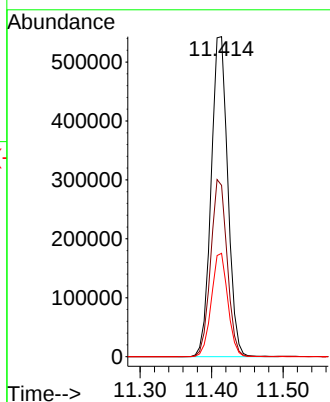
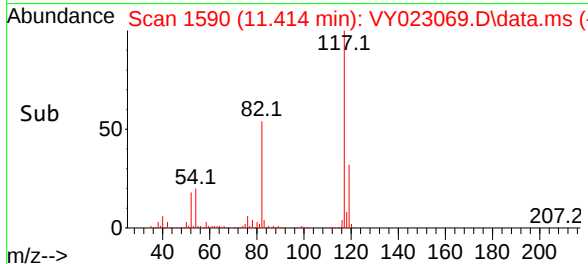
Instrument :
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ClientSampleId :
11M-N



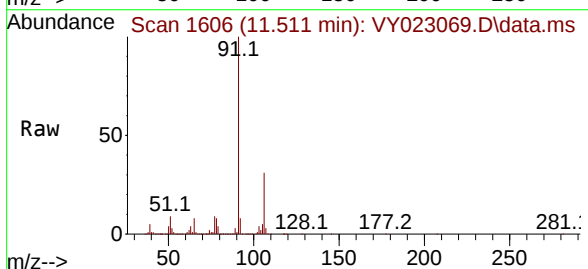
Tgt Ion: 117 Resp: 87717
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.3 25.6 38.4

Manual Integrations
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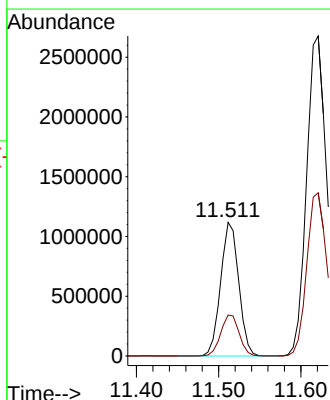
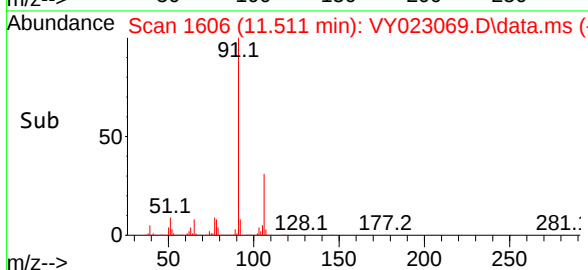
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025

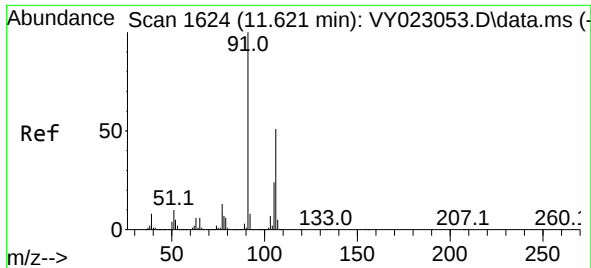


#67
Ethyl Benzene
Concen: 52.554 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55



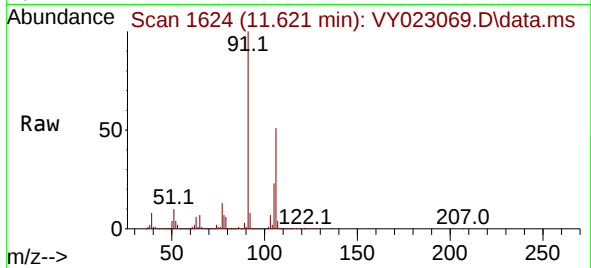
Tgt Ion: 91 Resp: 1711204
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4





#68
m/p-Xylenes
Concen: 183.584 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

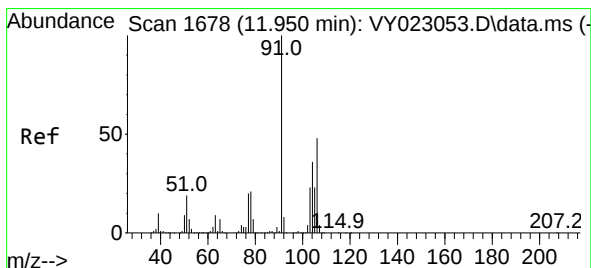
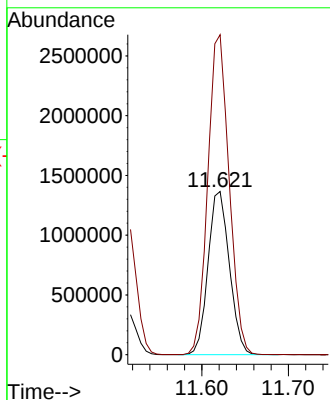
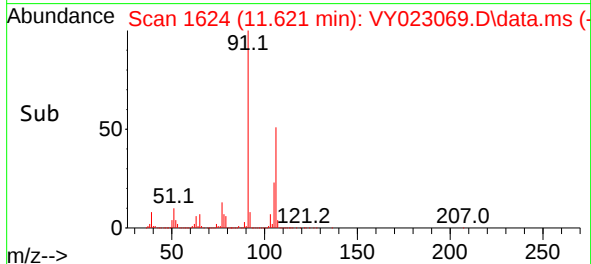
Instrument :
MSVOA_Y
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11M-N



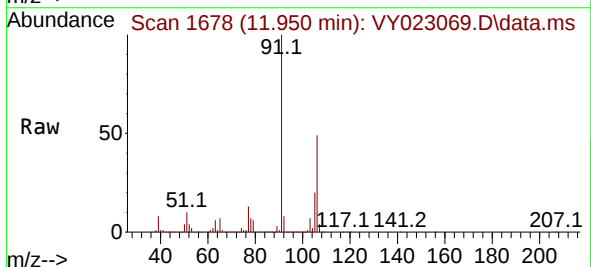
Tgt Ion:106 Resp: 233464
Ion Ratio Lower Upper
106 100
91 196.2 158.6 238.0

Manual Integrations
APPROVED

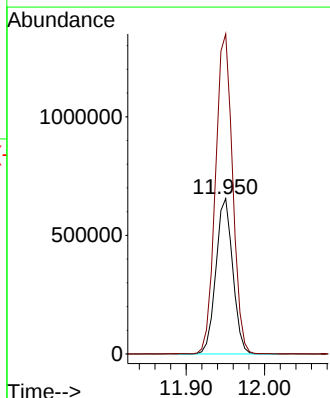
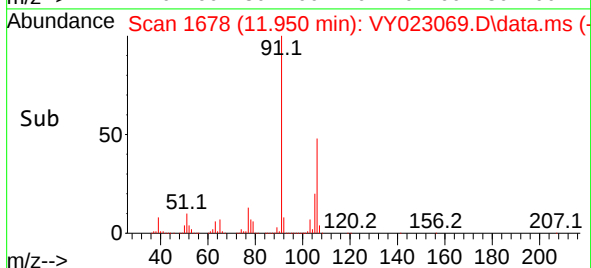
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025

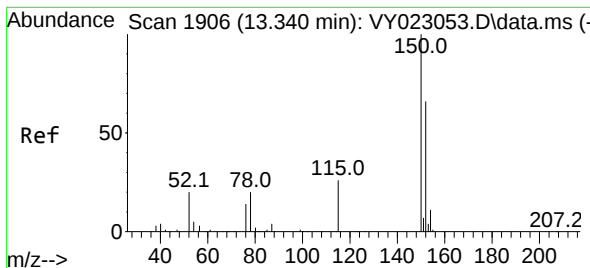


#69
o-Xylene
Concen: 82.239 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55



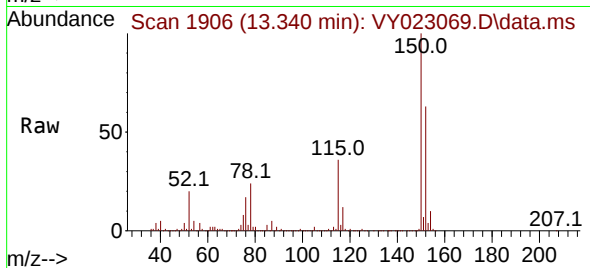
Tgt Ion:106 Resp: 979527
Ion Ratio Lower Upper
106 100
91 210.0 103.2 309.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

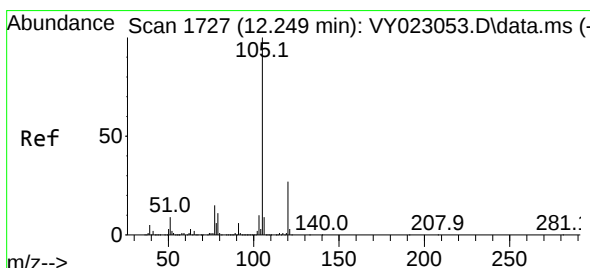
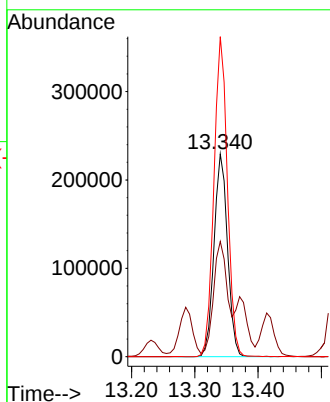
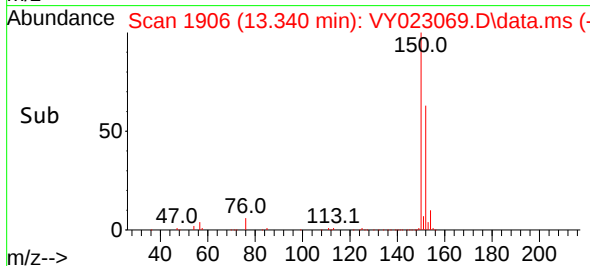
Instrument :
MSVOA_Y
ClientSampleId :
11M-N



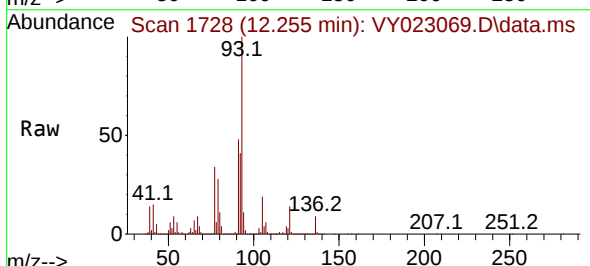
Tgt Ion:152 Resp: 339290
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.6
150 157.3 0.0 348.0

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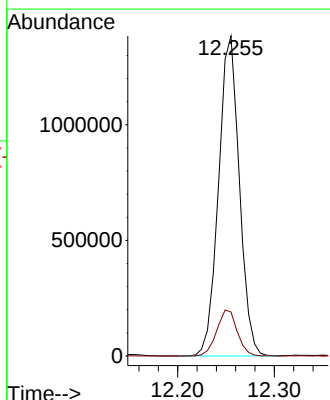
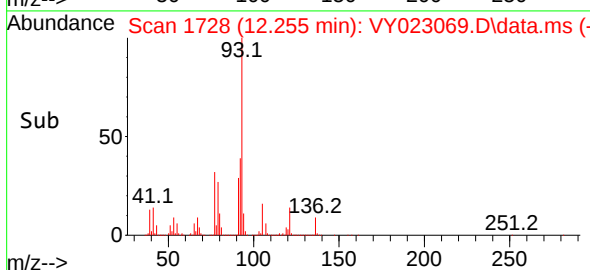
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025

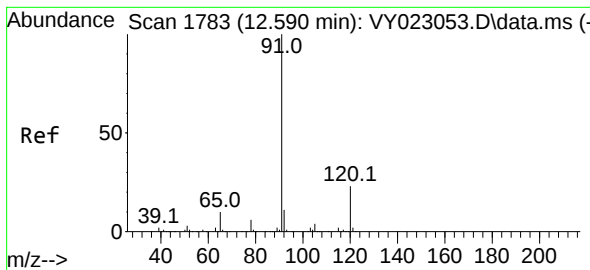


#73
Isopropylbenzene
Concen: 86.285 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.006 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55



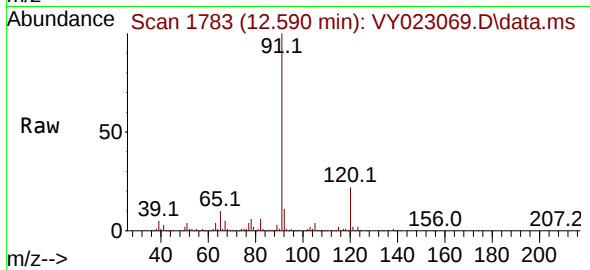
Tgt Ion:105 Resp: 2066252
Ion Ratio Lower Upper
105 100
120 14.2 13.4 40.2





#78
n-propylbenzene
Concen: 10.697 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

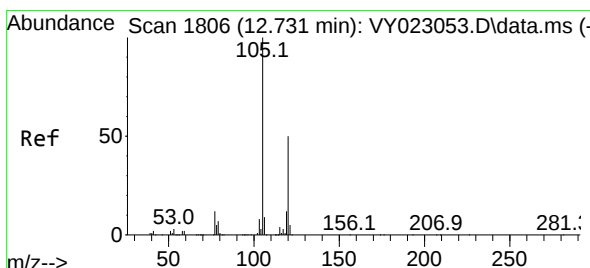
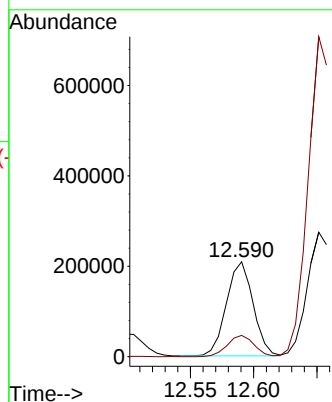
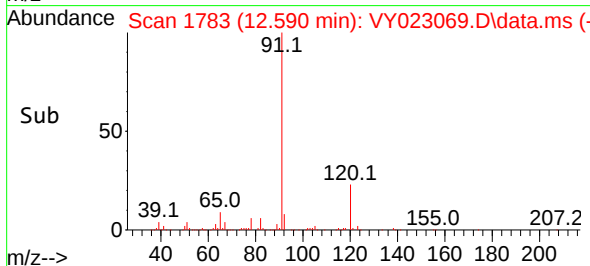
Instrument :
MSVOA_Y
ClientSampleId :
11M-N



Tgt Ion: 91 Resp: 304969
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.5

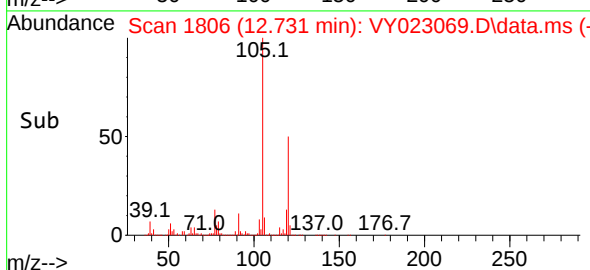
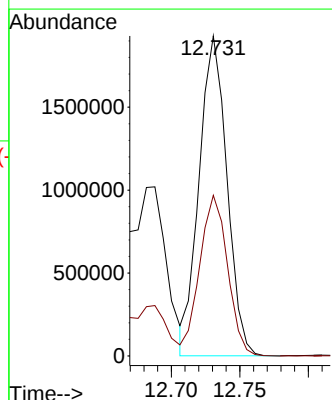
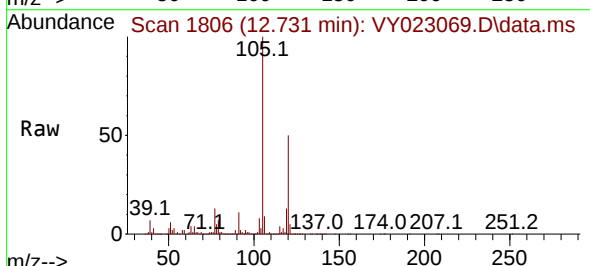
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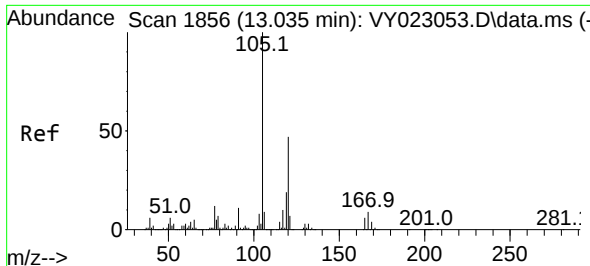
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025



#80
1,3,5-Trimethylbenzene
Concen: 140.425 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

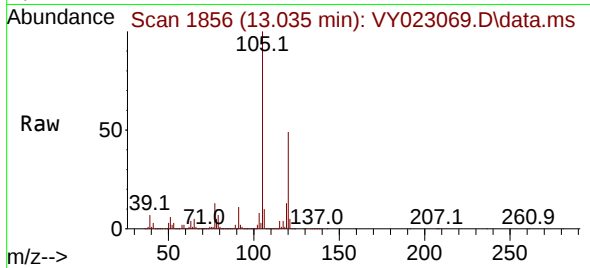
Tgt Ion:105 Resp: 2717714
Ion Ratio Lower Upper
105 100
120 50.5 24.8 74.4





#84
1,2,4-Trimethylbenzene
Concen: 392.581 ug/l
RT: 13.035 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

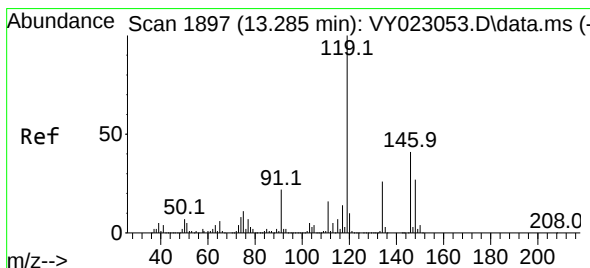
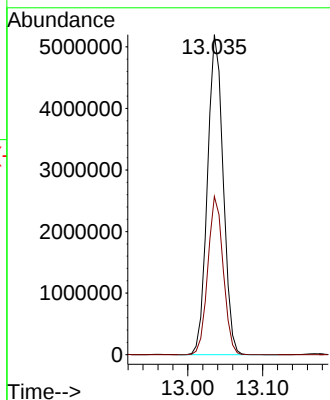
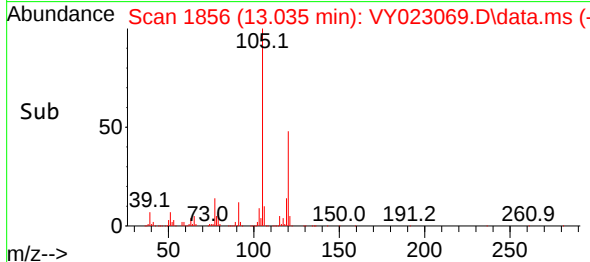
Instrument :
MSVOA_Y
ClientSampleId :
11M-N



Tgt Ion:105 Resp: 7563330
Ion Ratio Lower Upper
105 100
120 48.4 23.0 69.0

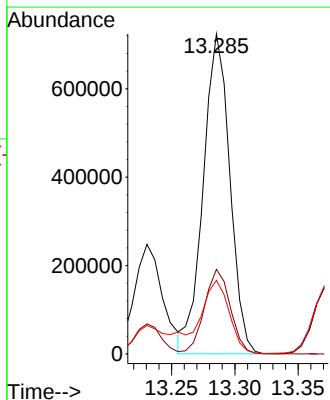
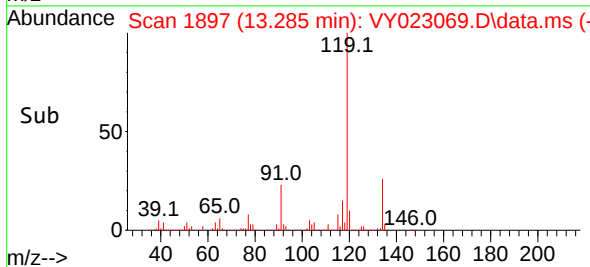
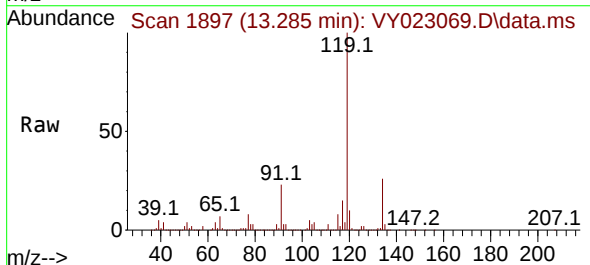
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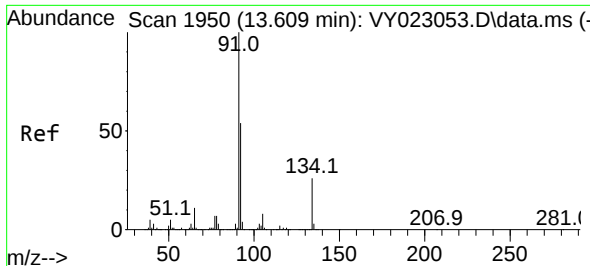
Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025



#86
p-Isopropyltoluene
Concen: 49.669 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

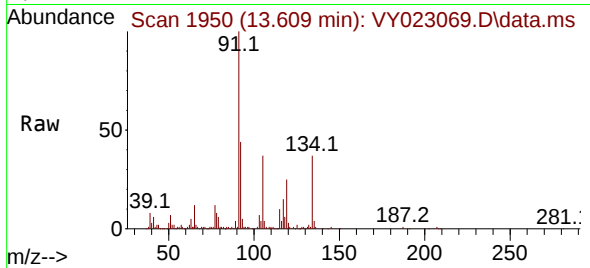
Tgt Ion:119 Resp: 1058617
Ion Ratio Lower Upper
119 100
134 25.8 13.2 39.6
91 0.0 11.3 33.8#





#89
n-Butylbenzene
Concen: 2.272 ug/l m
RT: 13.609 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VY023069.D
Acq: 13 Aug 2025 14:55

Instrument :
MSVOA_Y
ClientSampleId :
11M-N



Tgt Ion: 91 Resp: 44480
Ion Ratio Lower Upper
91 100
92 2105.1 26.9 80.7
134 162.9 13.2 39.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/18/2025
Supervised By :Semsettin Yesilyurt 08/19/2025

