

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
 Data File : VY023411.D
 Acq On : 09 Oct 2025 10:36
 Operator : SY/MD
 Sample : Q3315-01
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 314

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025
 Supervised By :Semsettin Yesilyurt 10/10/2025

Quant Time: Oct 10 04:22:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	673607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	977075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	413879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	274622	48.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.500%		
35) Dibromofluoromethane	7.640	113	335661	55.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.820%		
50) Toluene-d8	10.109	98	1152571	51.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	103.100%		
62) 4-Bromofluorobenzene	12.407	95	99538	13.485	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	26.960%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	33631	80.256	ug/l #	72
16) Acetone	3.848	43	38366627m	28610.628	ug/l	
17) Carbon Disulfide	4.110	76	140392	8.163	ug/l	100
18) Methyl Acetate	4.385	43	162175	46.103	ug/l	96
25) 2-Butanone	6.896	43	416161	254.200	ug/l	95
39) Methylcyclohexane	9.109	83	2078918	200.886	ug/l	97
40) Benzene	8.085	78	321047	12.754	ug/l	96
51) 4-Methyl-2-Pentanone	10.005	43	107532	33.147	ug/l	96
52) Toluene	10.158	92	30222983m	1849.249	ug/l	
64) Tetrachloroethene	10.646	164	17544	4.105	ug/l	95
67) Ethyl Benzene	11.511	91	19191911	1317.133	ug/l #	61
68) m/p-Xylenes	11.615	106	24716230m	4229.071	ug/l	
69) o-Xylene	11.956	106	13578372	2476.970	ug/l	56
73) Isopropylbenzene	12.255	105	368193	104.405	ug/l	97
78) n-propylbenzene	12.596	91	284493	69.712	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	112269	39.396	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	278877	98.057	ug/l	98
85) sec-Butylbenzene	13.176	105	31655	8.387	ug/l	84
86) p-Isopropyltoluene	13.291	119	343030	106.743	ug/l #	79
87) 1,3-Dichlorobenzene	13.285	146	4638	2.540	ug/l #	40
89) n-Butylbenzene	13.615	91	24184m	8.637	ug/l	

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

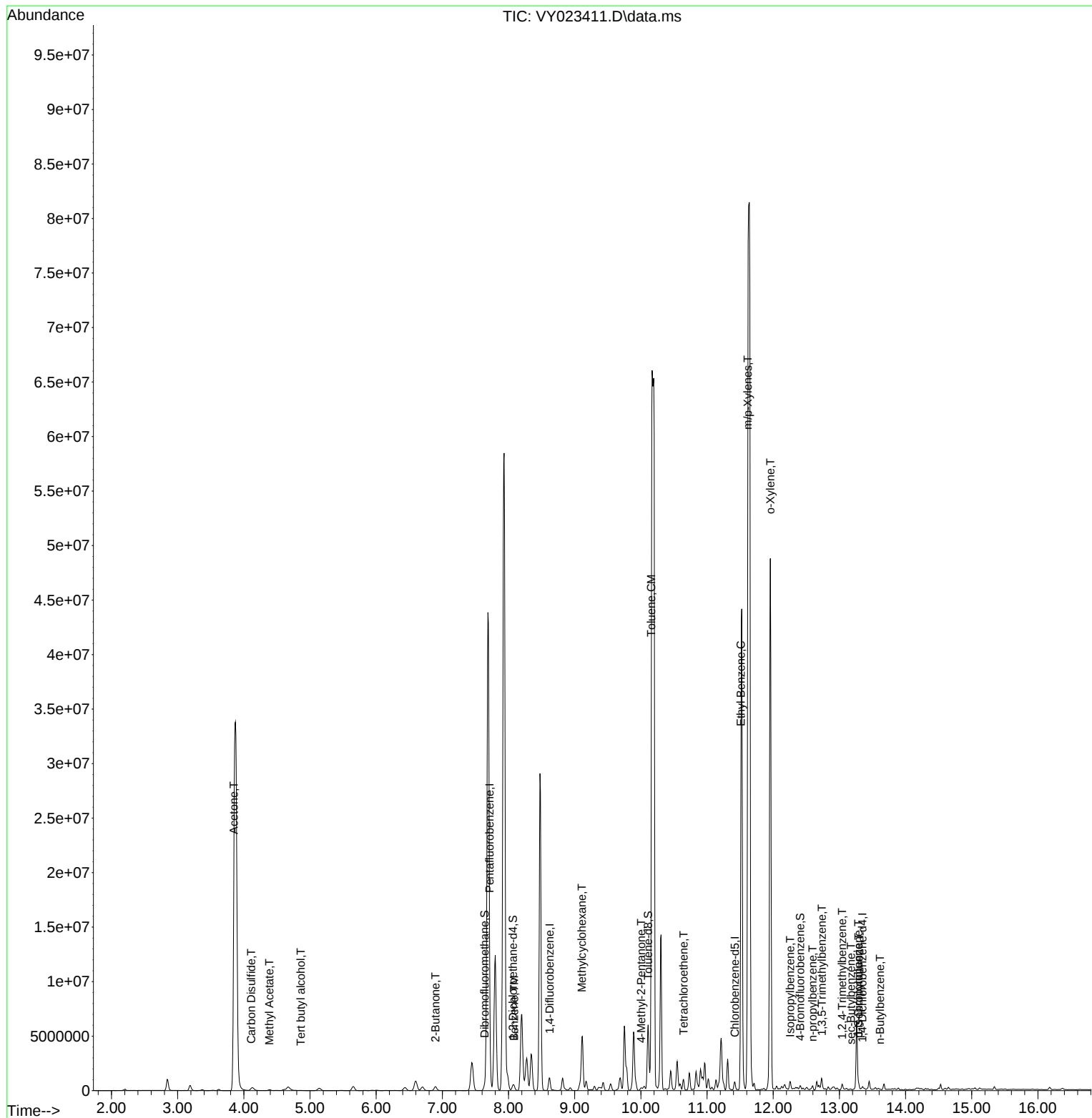
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100925\
Data File : VY023411.D
Acq On : 09 Oct 2025 10:36
Operator : SY/MD
Sample : Q3315-01
Misc : 4.69g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

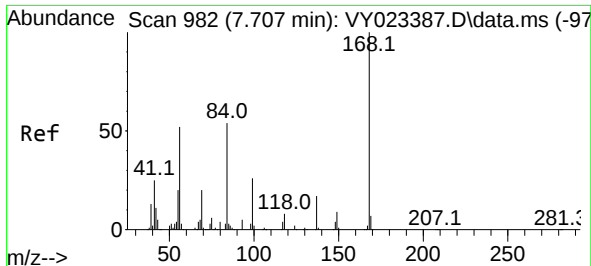
Instrument :
MSVOA_Y
ClientSampleId :
314

Manual Integrations
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Supervised By :Semsettin Yesilyurt 10/10/2025

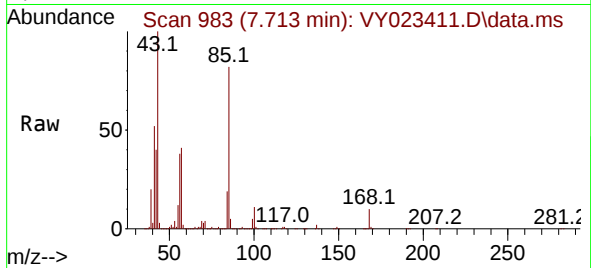
Quant Time: Oct 10 04:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 914
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

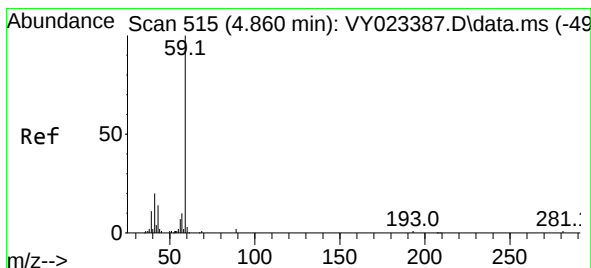
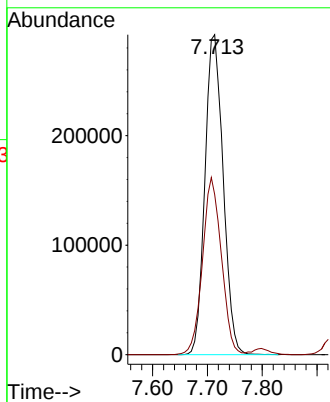
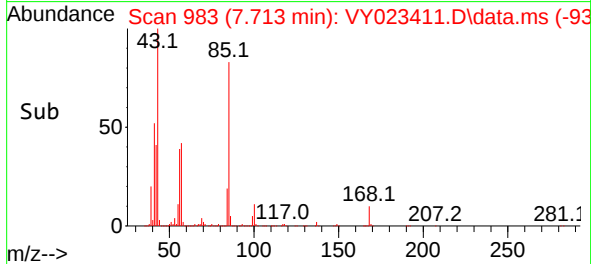
Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion:168 Resp: 67360
Ion Ratio Lower Upper
168 100
99 49.8 39.7 59.5

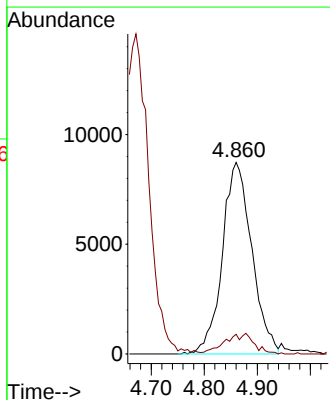
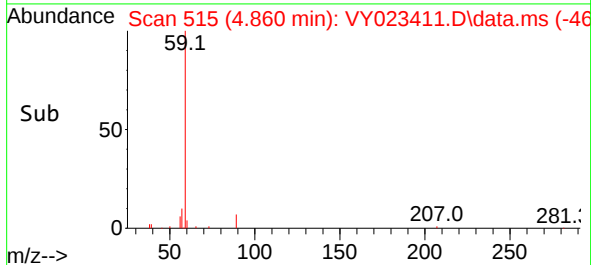
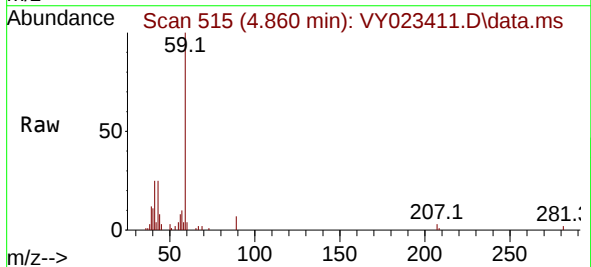
Manual Integrations
APPROVED

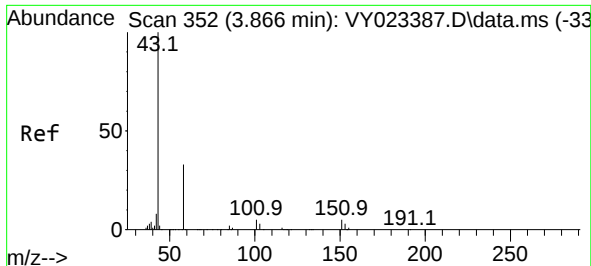
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#11
Tert butyl alcohol
Concen: 80.256 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

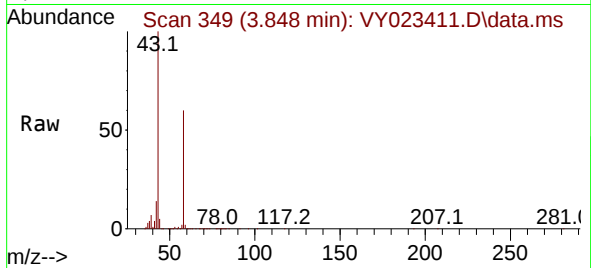
Tgt Ion: 59 Resp: 33631
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16
Acetone
Concen: 28610.628 ug/l m
RT: 3.848 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

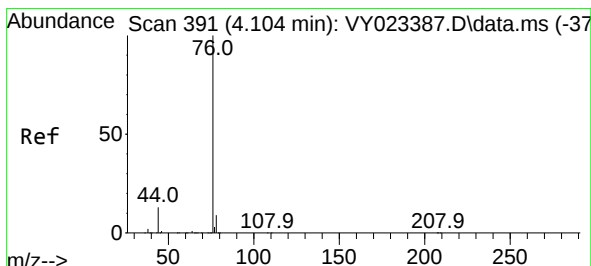
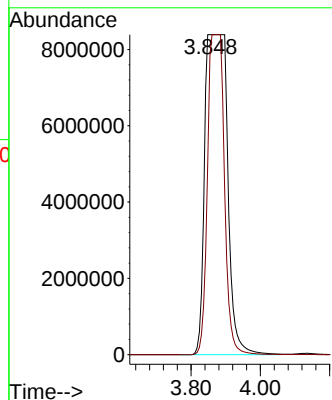
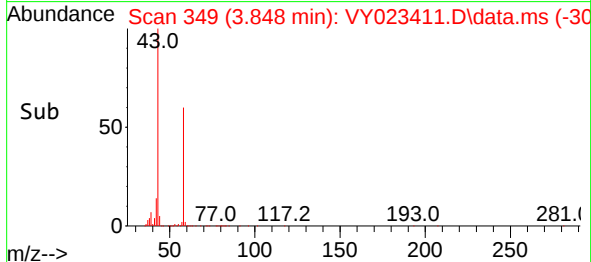
Instrument :
MSVOA_Y
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314



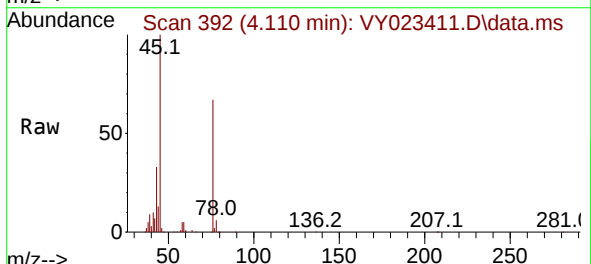
Tgt Ion: 43 Resp:3836662
Ion Ratio Lower Upper
43 100
58 59.6 27.7 41.5

Manual Integrations
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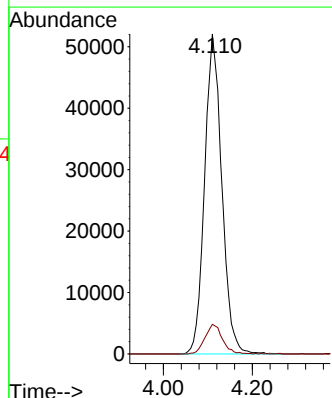
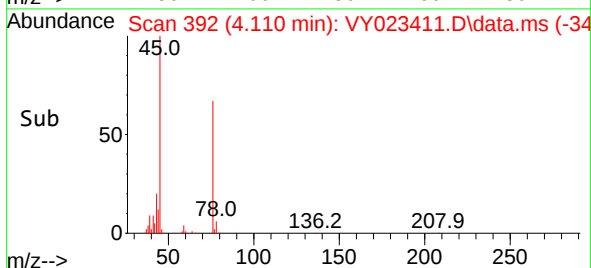
Reviewed By :Mahesh Dadoda 10/10/2025
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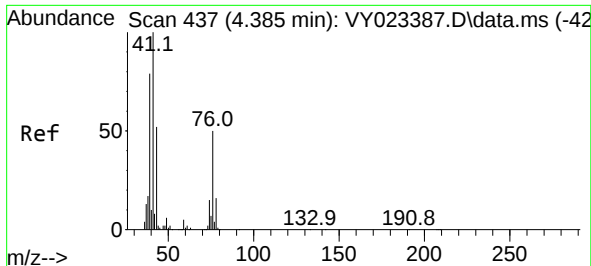


#17
Carbon Disulfide
Concen: 8.163 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36



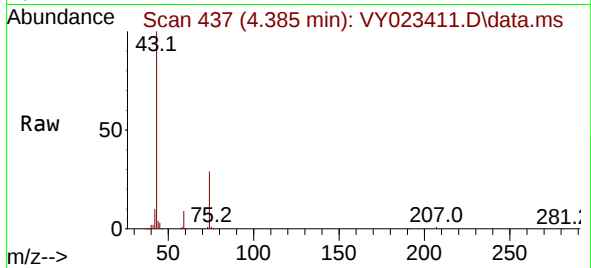
Tgt Ion: 76 Resp: 140392
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





#18
Methyl Acetate
Concen: 46.103 ug/l
RT: 4.385 min Scan# 411
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

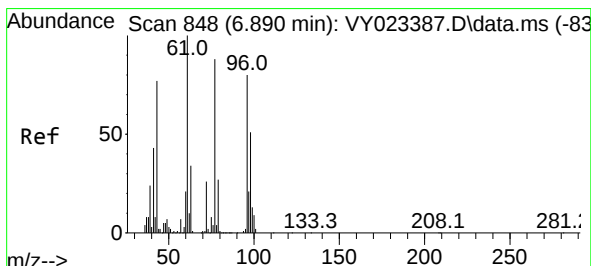
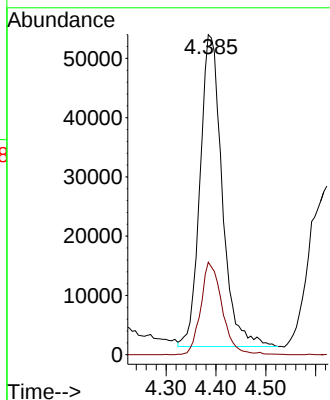
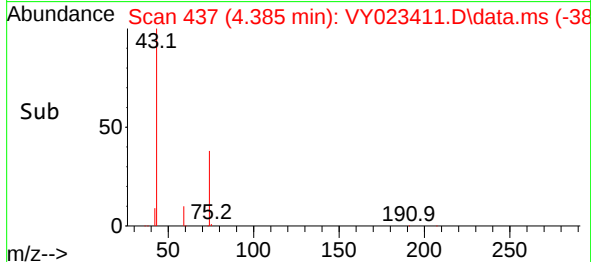
Instrument :
MSVOA_Y
ClientSampleId :
314



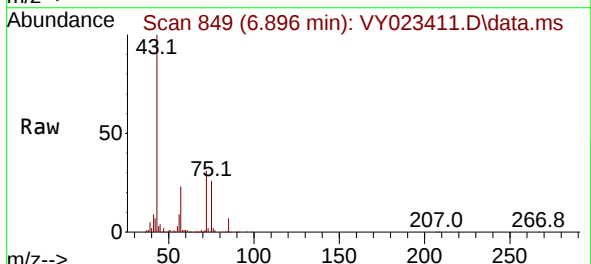
Tgt Ion: 43 Resp: 162179
Ion Ratio Lower Upper
43 100
74 28.4 24.2 36.4

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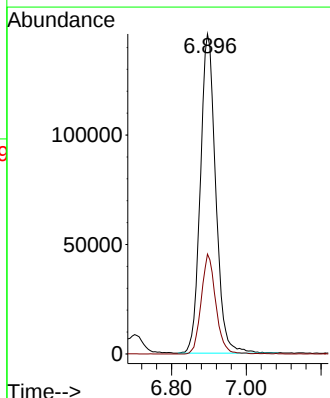
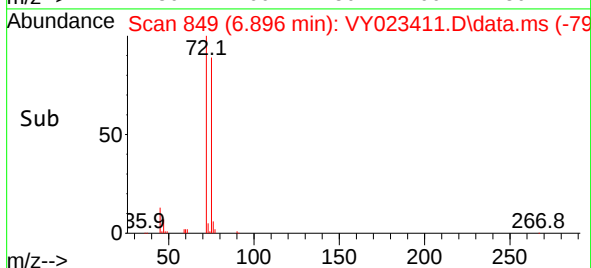
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

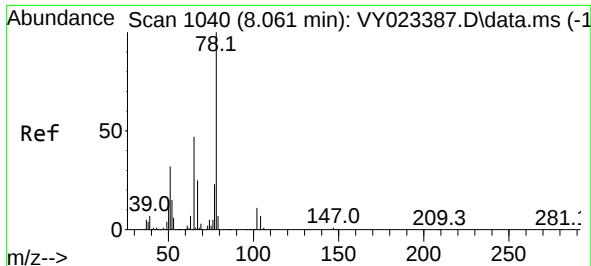


#25
2-Butanone
Concen: 254.200 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36



Tgt Ion: 43 Resp: 416161
Ion Ratio Lower Upper
43 100
72 31.3 27.4 41.2





#33

1,2-Dichloroethane-d4

Concen: 48.754 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023411.D

Acq: 09 Oct 2025 10:36

Instrument :

MSVOA_Y

ClientSampleId :

314

Tgt Ion: 65 Resp: 27462

Ion Ratio Lower Upper

65 100

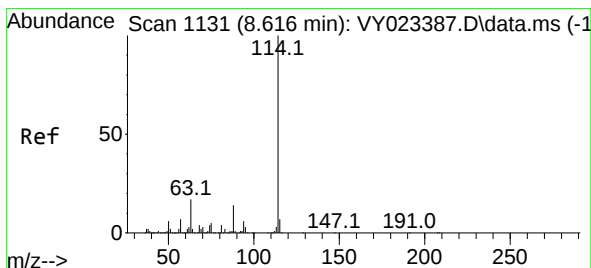
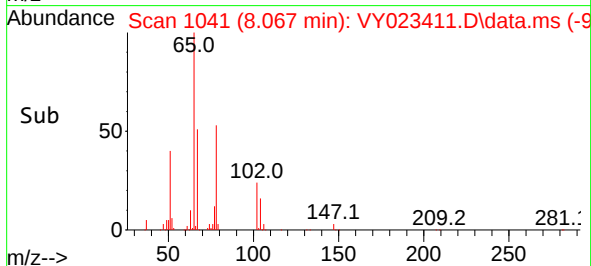
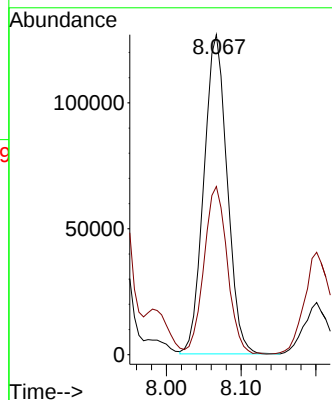
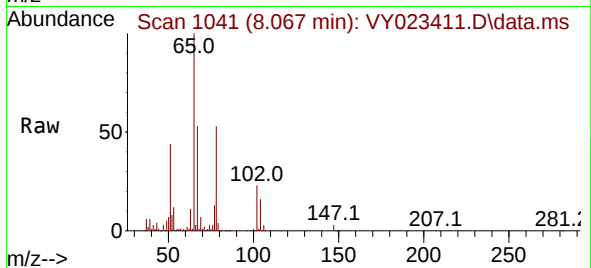
67 52.3 0.0 105.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/10/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023411.D

Acq: 09 Oct 2025 10:36

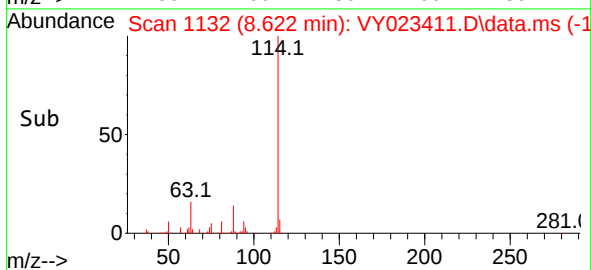
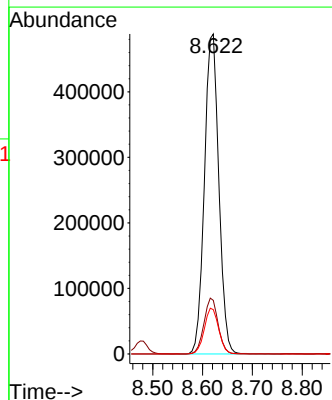
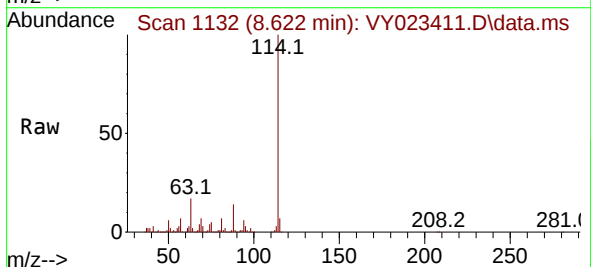
Tgt Ion:114 Resp: 977075

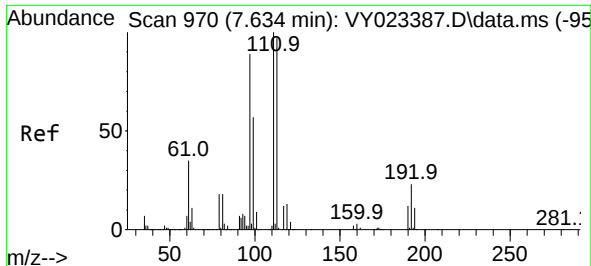
Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

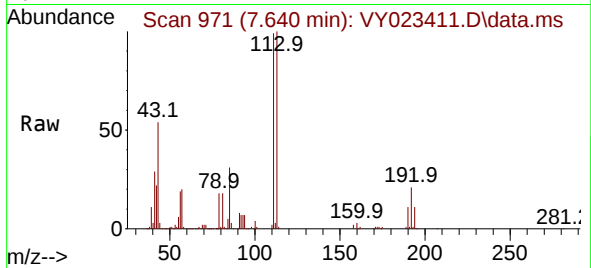
88 13.8 0.0 28.4





#35
Dibromofluoromethane
Concen: 55.909 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

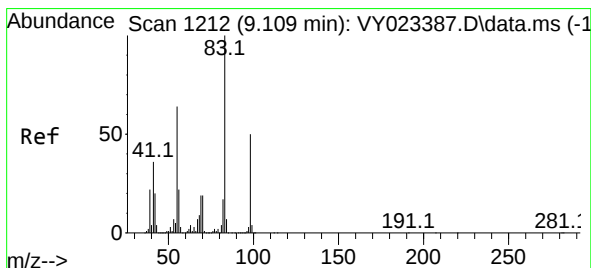
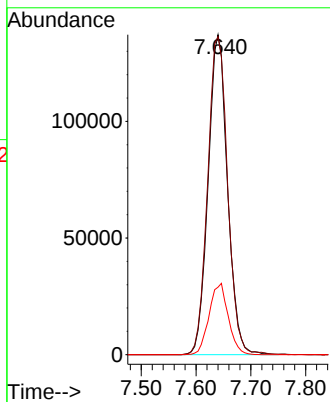
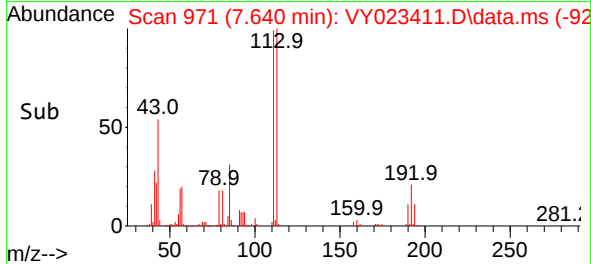
Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion:113 Resp: 33566
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 22.1 18.0 27.0

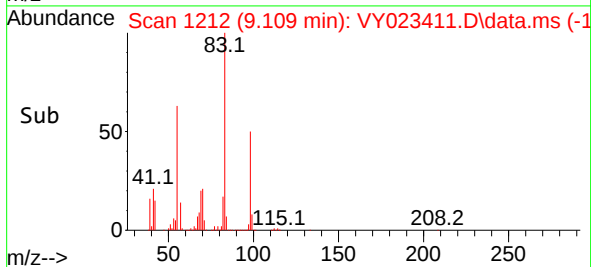
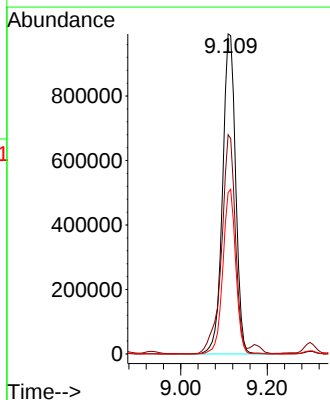
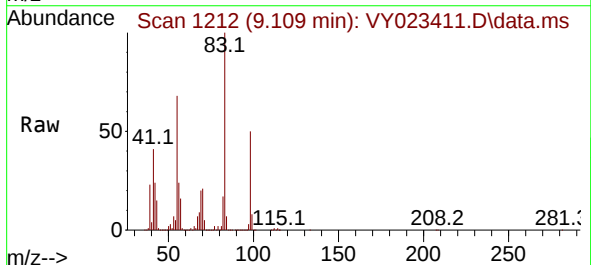
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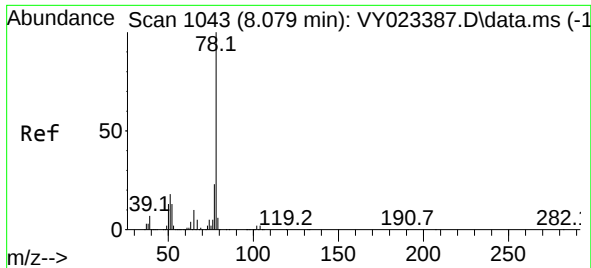
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#39
Methylcyclohexane
Concen: 200.886 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

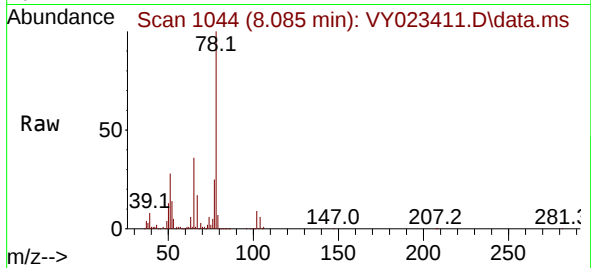
Tgt Ion: 83 Resp: 2078918
Ion Ratio Lower Upper
83 100
55 68.4 51.4 77.2
98 50.5 40.4 60.6





#40
Benzene
Concen: 12.754 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

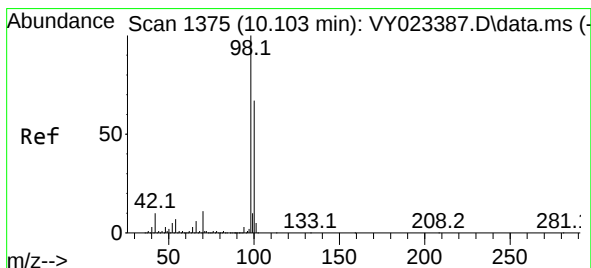
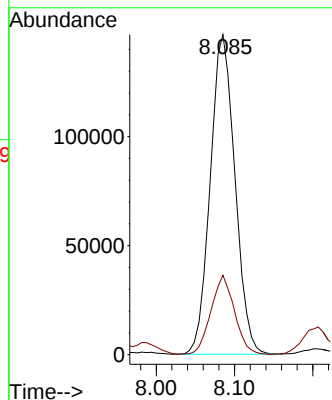
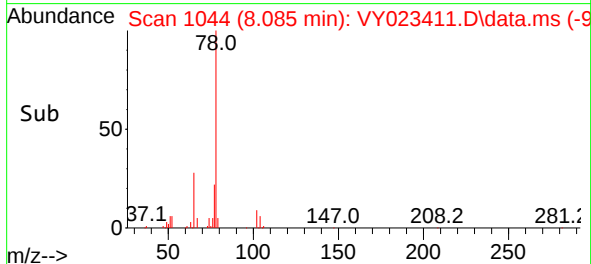
Instrument :
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ClientSampleId :
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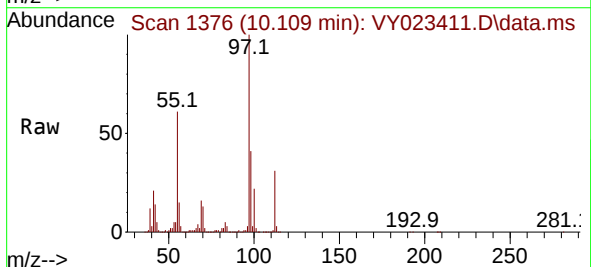
Tgt Ion: 78 Resp: 32104
Ion Ratio Lower Upper
78 100
77 24.7 18.3 27.5

Manual Integrations
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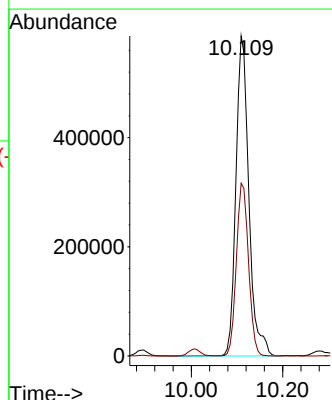
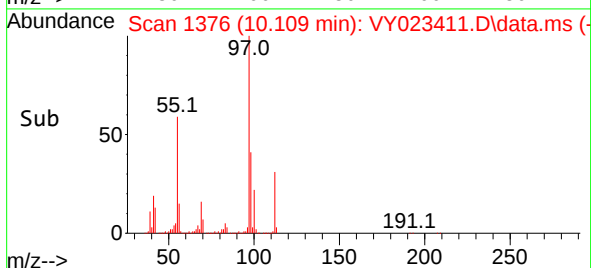
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

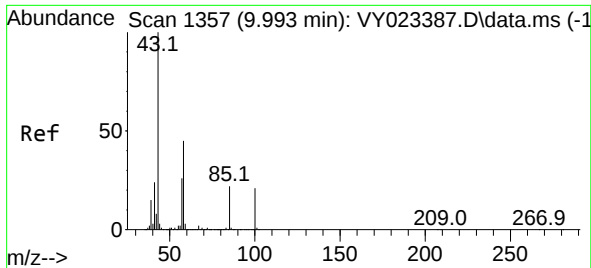


#50
Toluene-d8
Concen: 51.550 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36



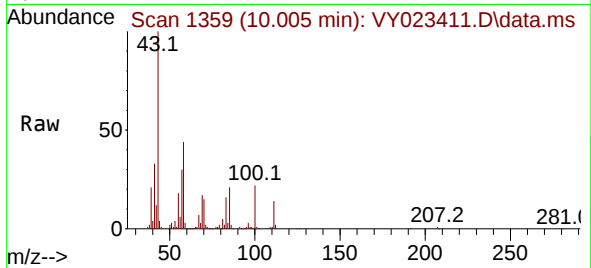
Tgt Ion: 98 Resp: 1152571
Ion Ratio Lower Upper
98 100
100 50.7 53.0 79.4#





#51
4-Methyl-2-Pentanone
Concen: 33.147 ug/l
RT: 10.005 min Scan# 1359
Delta R.T. 0.012 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

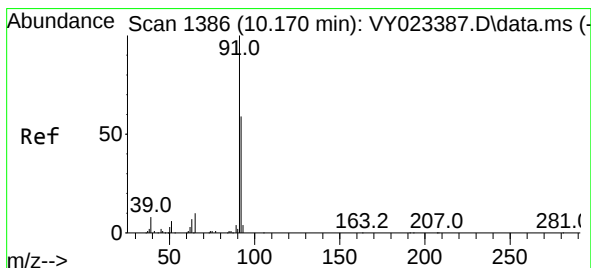
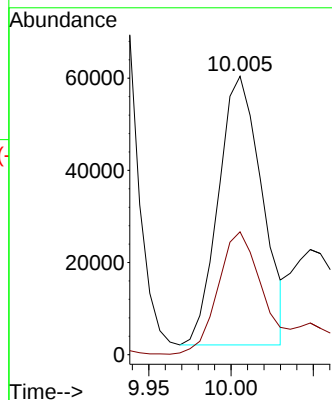
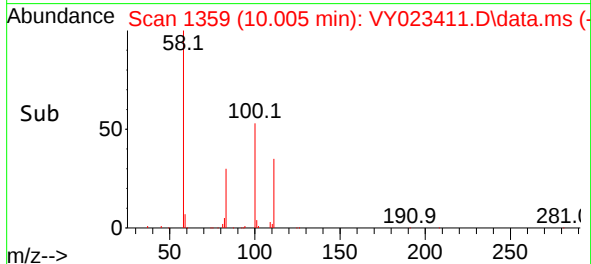
Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion: 43 Resp: 107532
Ion Ratio Lower Upper
43 100
58 46.7 35.3 52.9

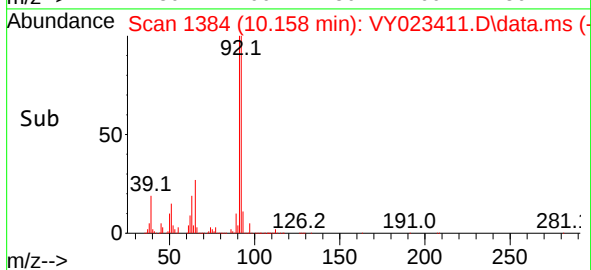
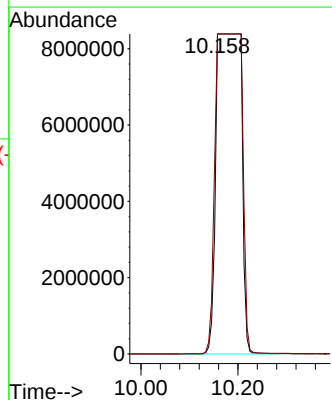
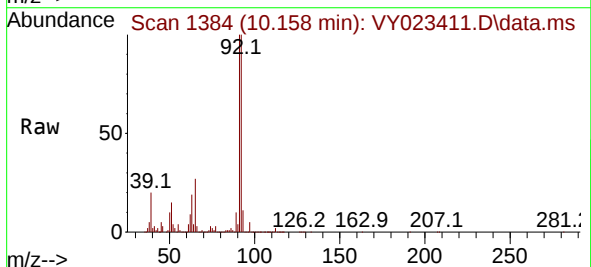
Manual Integrations
APPROVED

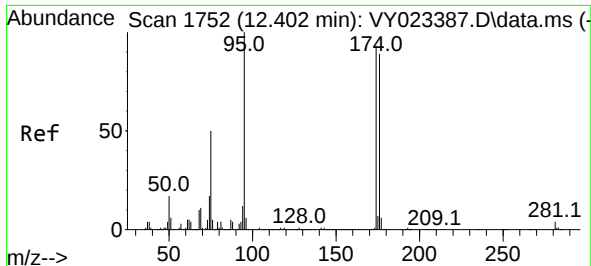
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#52
Toluene
Concen: 1849.249 ug/l m
RT: 10.158 min Scan# 1384
Delta R.T. -0.012 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

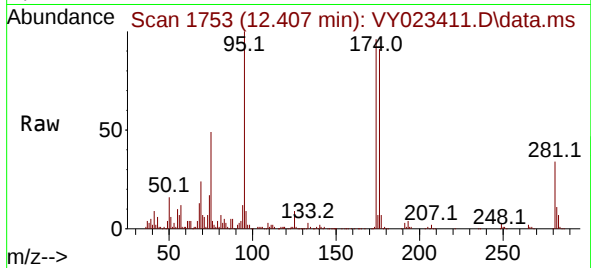
Tgt Ion: 92 Resp:30222983
Ion Ratio Lower Upper
92 100
91 0.0 136.4 204.6#





#62
4-Bromofluorobenzene
Concen: 13.485 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

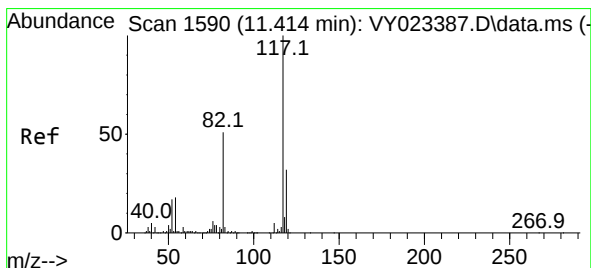
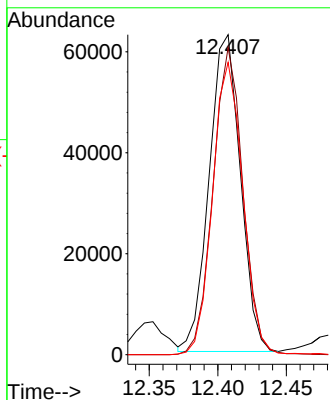
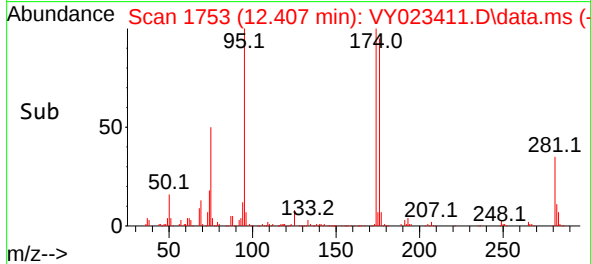
Instrument :
MSVOA_Y
ClientSampleId :
314



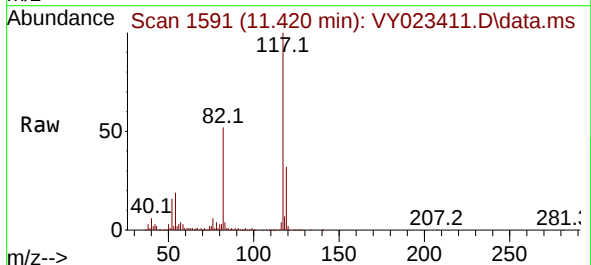
Tgt Ion: 95 Resp: 99538
Ion Ratio Lower Upper
95 100
174 92.5 0.0 192.8
176 89.7 0.0 187.6

Manual Integrations
APPROVED

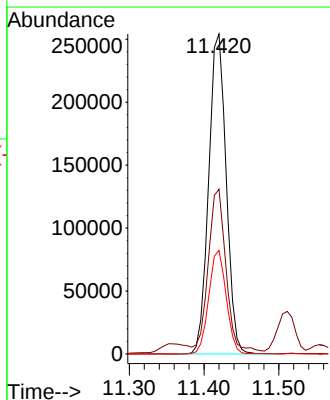
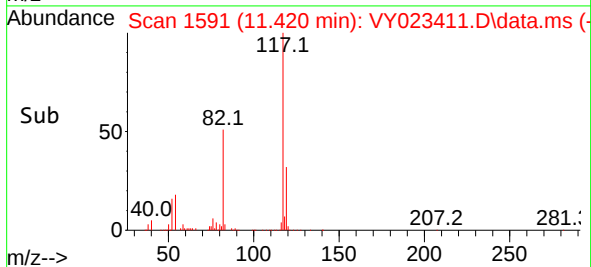
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

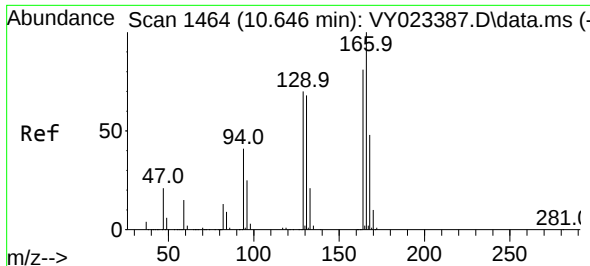


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36



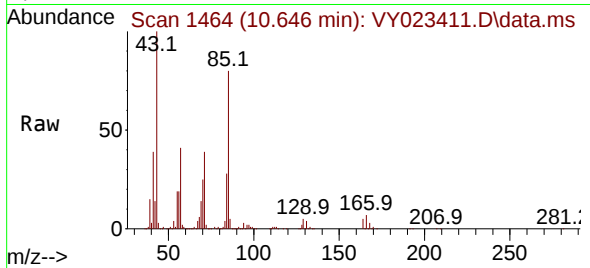
Tgt Ion:117 Resp: 413879
Ion Ratio Lower Upper
117 100
82 48.4 41.0 61.4
119 32.3 25.6 38.4





#64
Tetrachloroethene
Concen: 4.105 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

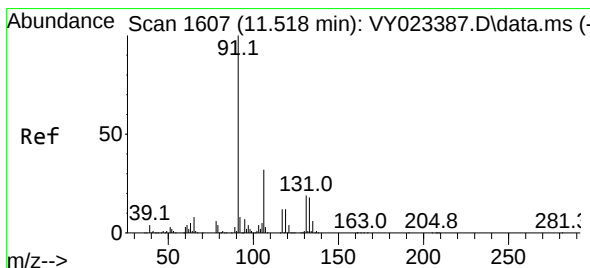
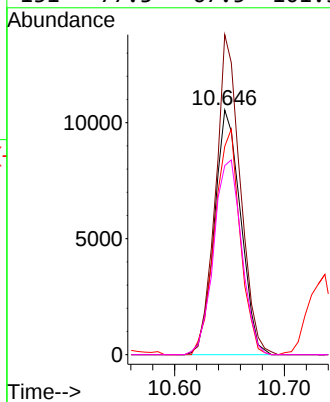
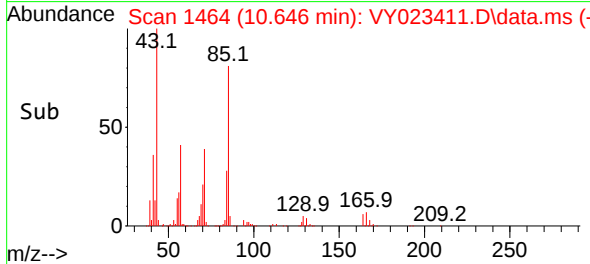
Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion:164 Resp: 17544
Ion Ratio Lower Upper
164 100
166 130.8 99.4 149.0
129 85.2 69.4 104.2
131 77.3 67.5 101.3

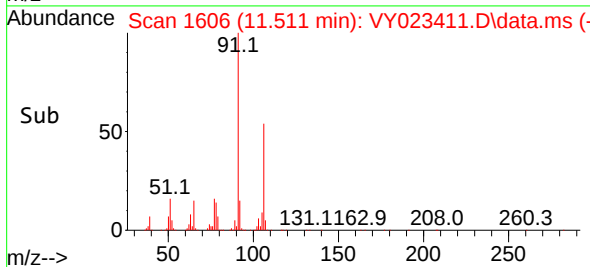
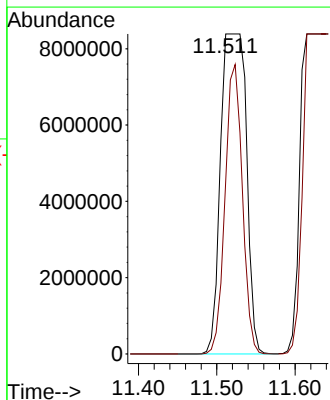
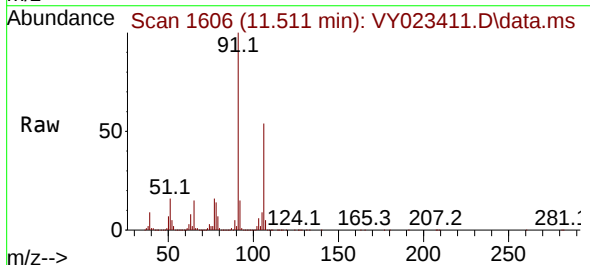
Manual Integrations
APPROVED

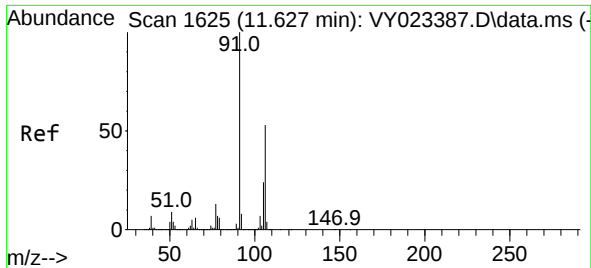
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#67
Ethyl Benzene
Concen: 1317.133 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

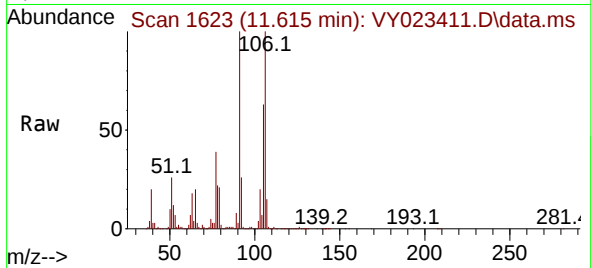
Tgt Ion: 91 Resp:19191911
Ion Ratio Lower Upper
91 100
106 54.1 25.8 38.8#





#68
m/p-Xylenes
Concen: 4229.071 ug/l m
RT: 11.615 min Scan# 1623
Delta R.T. -0.012 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

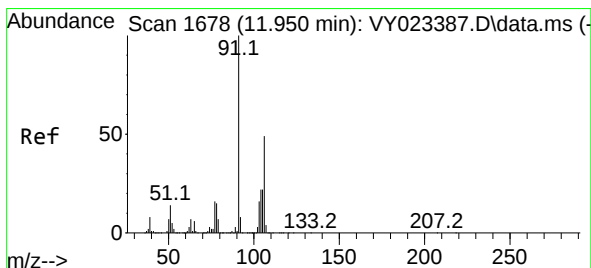
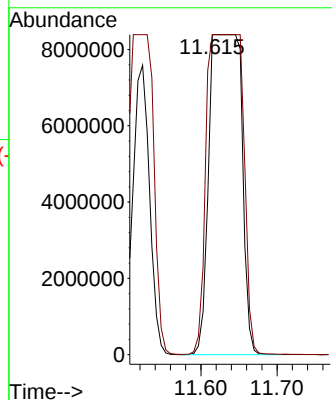
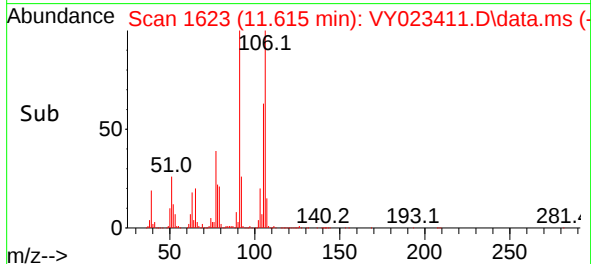
Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion:106 Resp:24716230
Ion Ratio Lower Upper
106 100
91 77.6 152.6 229.0

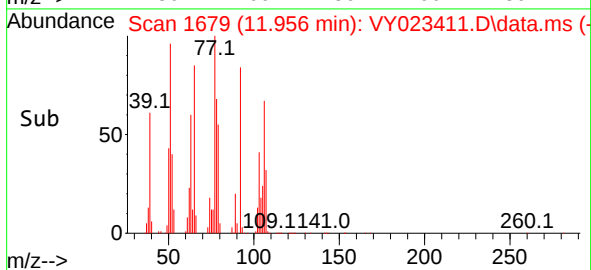
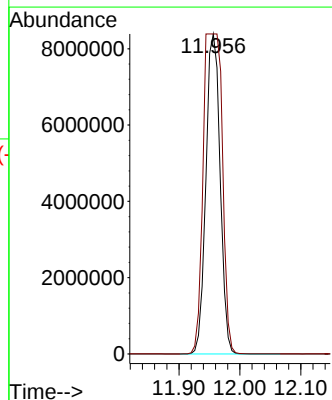
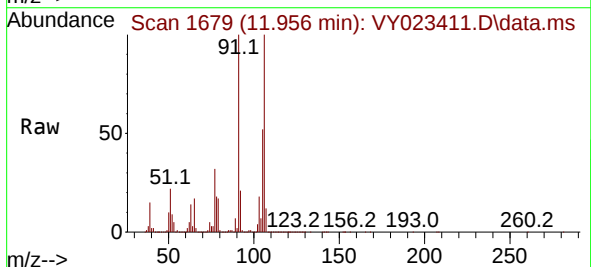
Manual Integrations
APPROVED

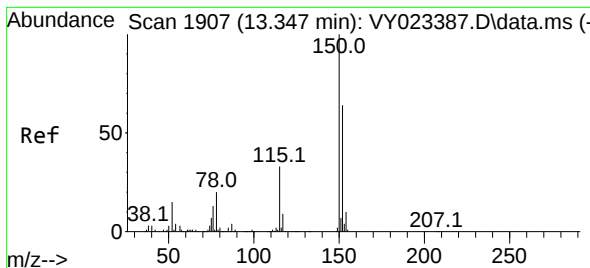
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#69
o-Xylene
Concen: 2476.970 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

Tgt Ion:106 Resp:13578372
Ion Ratio Lower Upper
106 100
91 135.0 101.4 304.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023411.D

Acq: 09 Oct 2025 10:36

Instrument :

MSVOA_Y

ClientSampleId :

314

Tgt Ion:152 Resp: 5351

Ion Ratio Lower Upper

152 100

115 58.4 27.1 81.2

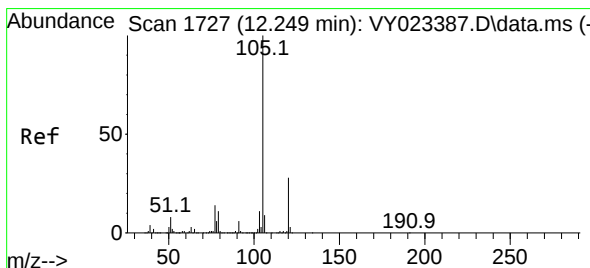
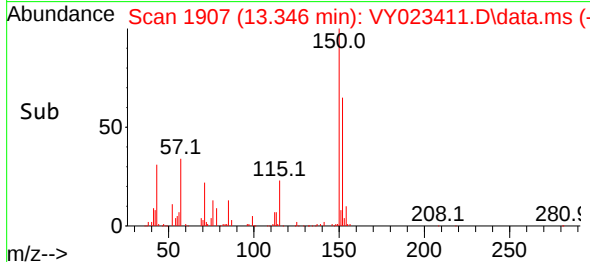
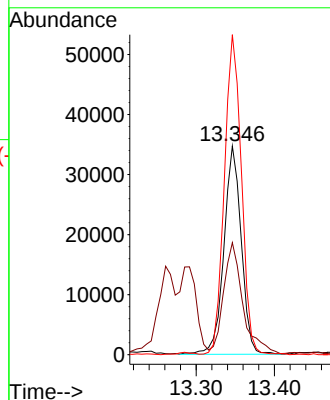
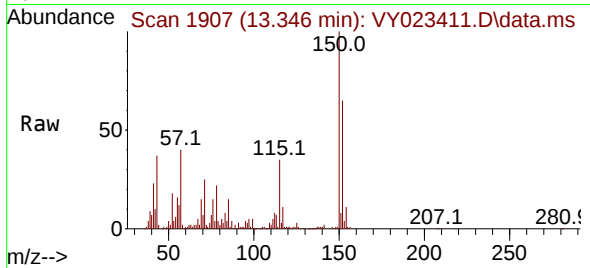
150 150.9 0.0 347.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025

Supervised By :Semsettin Yesilyurt 10/10/2025



#73

Isopropylbenzene

Concen: 104.405 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.006 min

Lab File: VY023411.D

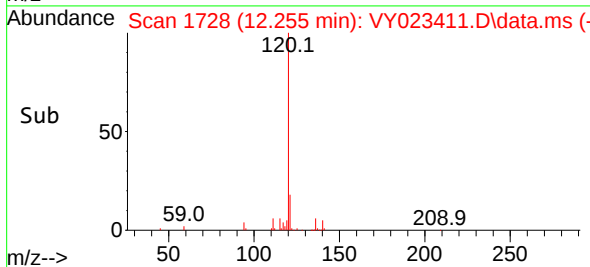
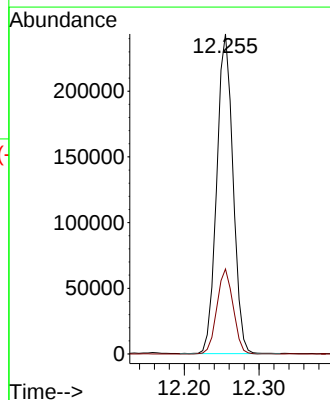
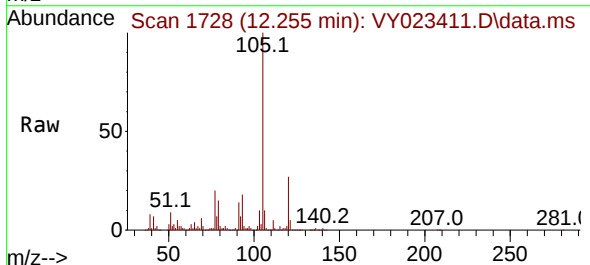
Acq: 09 Oct 2025 10:36

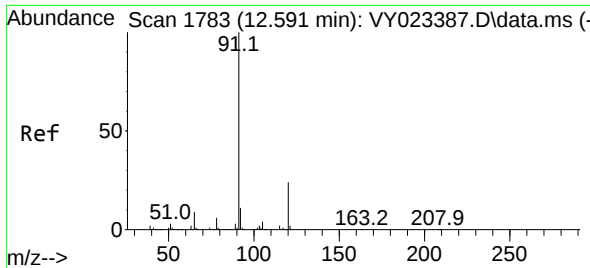
Tgt Ion:105 Resp: 368193

Ion Ratio Lower Upper

105 100

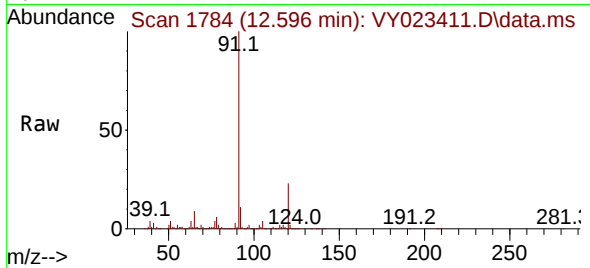
120 26.5 13.9 41.7





#78
n-propylbenzene
Concen: 69.712 ug/l
RT: 12.596 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

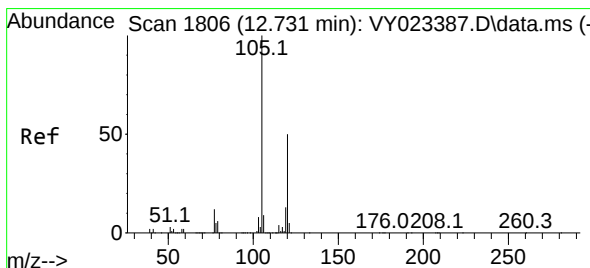
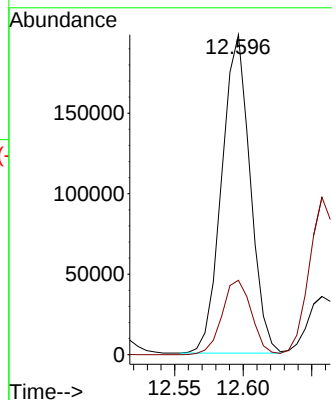
Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion: 91 Resp: 28449
Ion Ratio Lower Upper
91 100
120 24.3 12.3 36.8

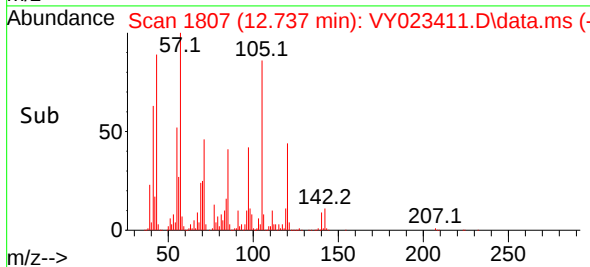
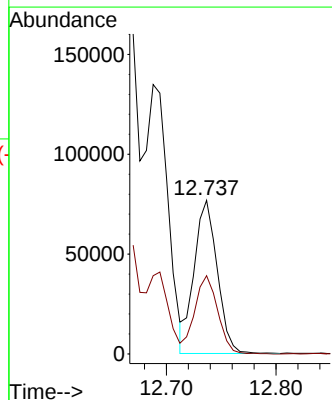
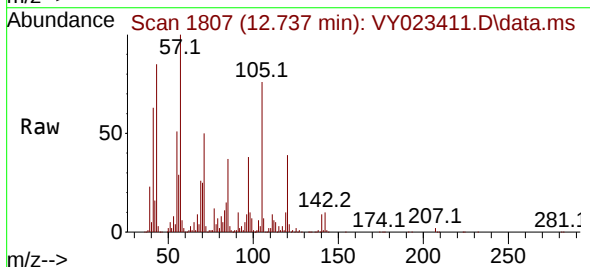
Manual Integrations
APPROVED

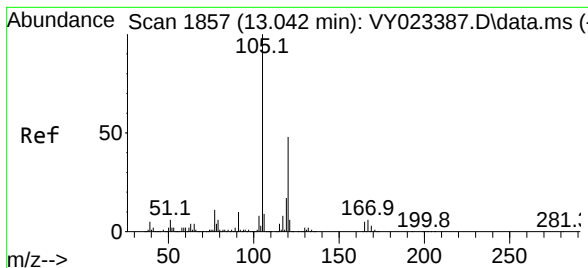
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025



#80
1,3,5-Trimethylbenzene
Concen: 39.396 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

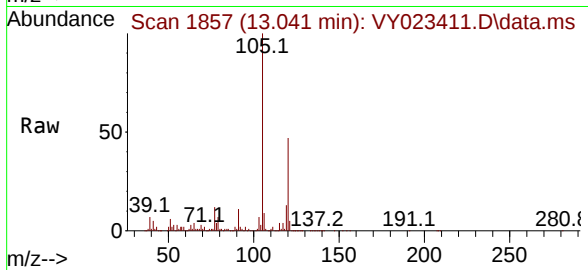
Tgt Ion:105 Resp: 112269
Ion Ratio Lower Upper
105 100
120 51.3 25.4 76.4





#84
1,2,4-Trimethylbenzene
Concen: 98.057 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

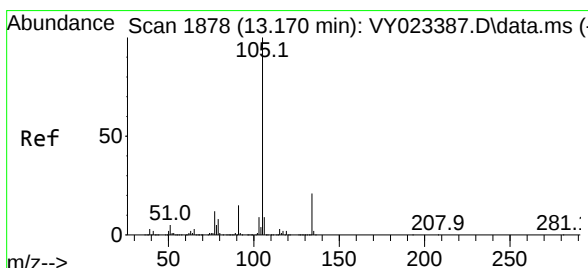
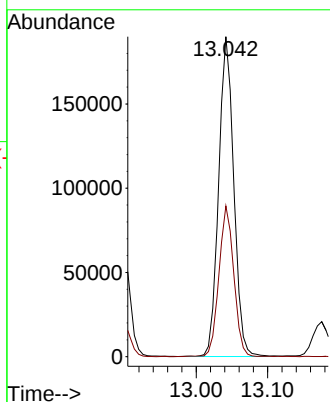
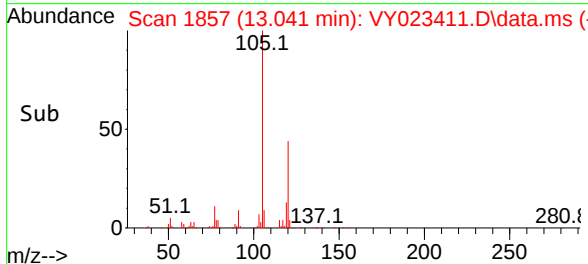
Instrument :
MSVOA_Y
ClientSampleId :
314



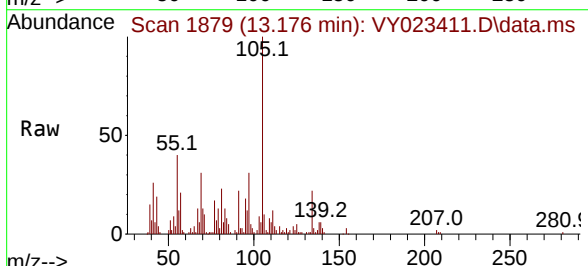
Tgt Ion:105 Resp: 27887
Ion Ratio Lower Upper
105 100
120 46.5 23.8 71.2

Manual Integrations
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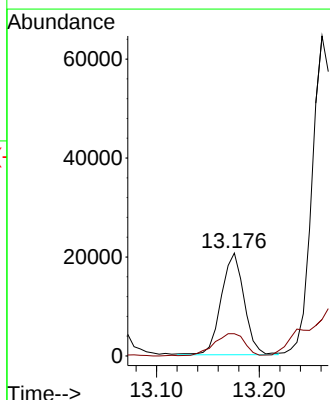
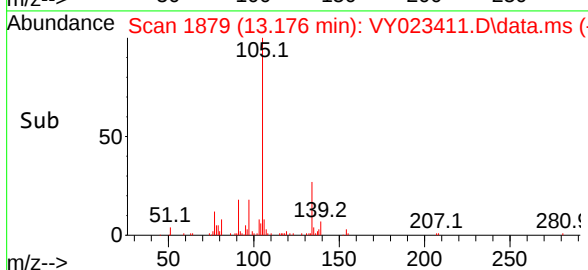
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

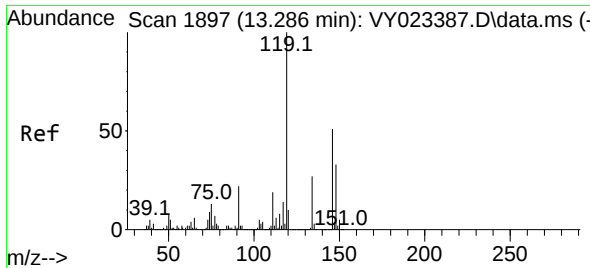


#85
sec-Butylbenzene
Concen: 8.387 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36



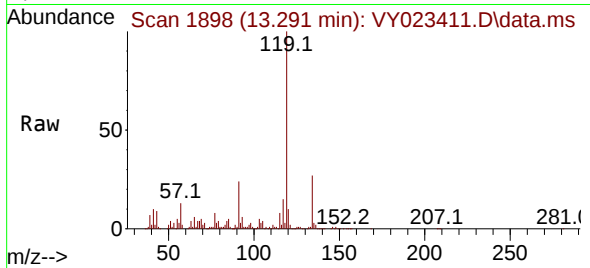
Tgt Ion:105 Resp: 31655
Ion Ratio Lower Upper
105 100
134 29.2 10.7 32.1





#86
p-Isopropyltoluene
Concen: 106.743 ug/l
RT: 13.291 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

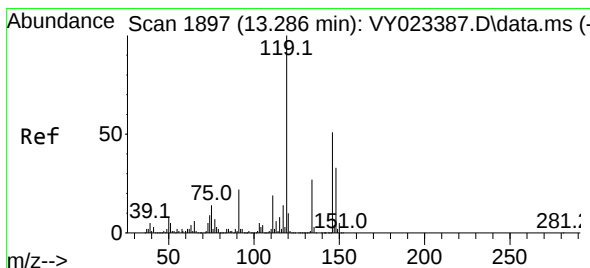
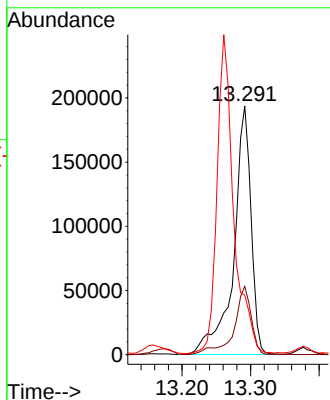
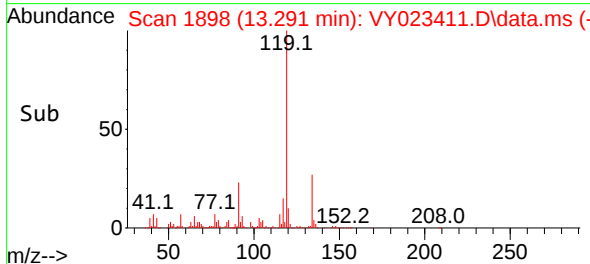
Instrument :
MSVOA_Y
ClientSampleId :
314



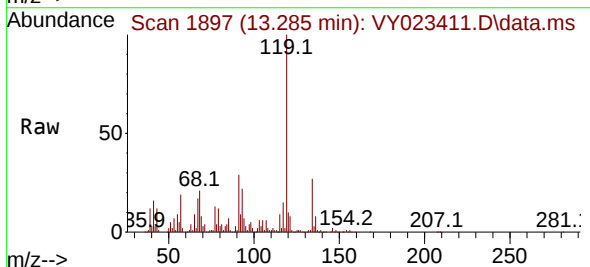
Tgt Ion:119 Resp: 343030
Ion Ratio Lower Upper
119 100
134 27.1 13.6 40.7
91 0.0 10.9 32.9

Manual Integrations
APPROVED

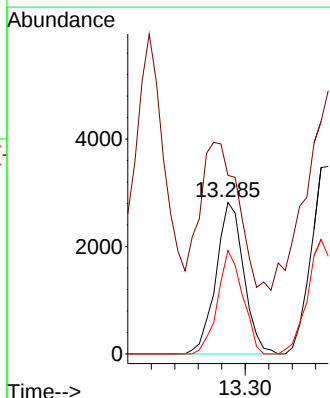
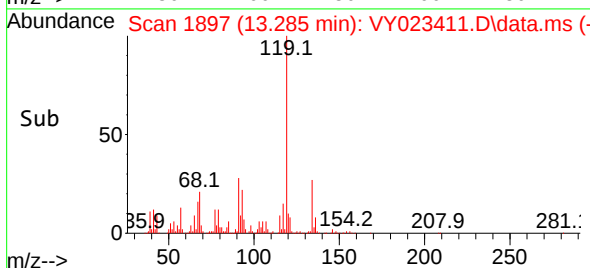
Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

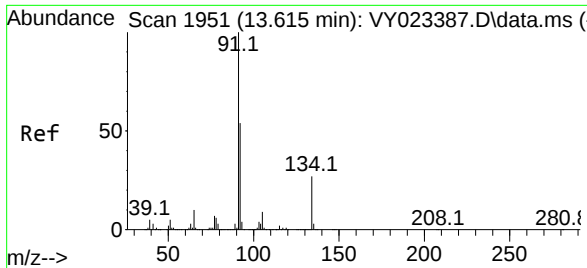


#87
1,3-Dichlorobenzene
Concen: 2.540 ug/l
RT: 13.285 min Scan# 1897
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36



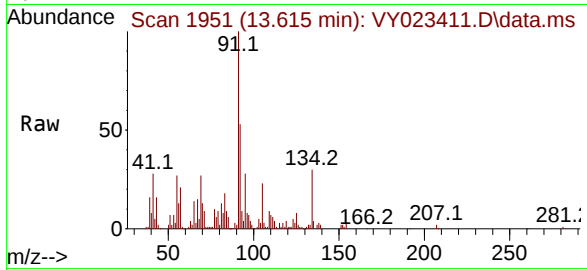
Tgt Ion:146 Resp: 4638
Ion Ratio Lower Upper
146 100
111 131.8 18.7 56.1#
148 61.4 31.9 95.9





#89
n-Butylbenzene
Concen: 8.637 ug/l m
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY023411.D
Acq: 09 Oct 2025 10:36

Instrument :
MSVOA_Y
ClientSampleId :
314



Tgt Ion:	91	Resp:	24184
Ion	Ratio	Lower	Upper
91	100		
92	63.4	27.0	80.8
134	0.0	14.1	42.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/10/2025
Supervised By :Semsettin Yesilyurt 10/10/2025

