

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022885.D
 Acq On : 30 Jun 2025 17:12
 Operator : SY/MD
 Sample : Q2447-07
 Misc : 3.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:40:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	298749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	490747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	326623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	58475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148518	44.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.080%		
35) Dibromofluoromethane	7.634	113	153615	51.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.940%		
50) Toluene-d8	10.103	98	533018	45.008	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.020%		
62) 4-Bromofluorobenzene	12.402	95	103064	27.071	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	54.140%		
Target Compounds					Qvalue	
16) Acetone	3.897	43	422772	670.836	ug/l	97
20) Methylene Chloride	4.604	84	26951	6.772	ug/l #	92
25) 2-Butanone	6.915	43	22318	24.332	ug/l	94
39) Methylcyclohexane	9.103	83	265759	45.396	ug/l	95
40) Benzene	8.079	78	268002	19.269	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	29441m	14.280	ug/l	
52) Toluene	10.170	92	12020817	1369.959	ug/l	76
67) Ethyl Benzene	11.518	91	274099	21.737	ug/l	99
68) m/p-Xylenes	11.621	106	247414	50.757	ug/l	97
69) o-Xylene	11.950	106	62721	13.656	ug/l	100
78) n-propylbenzene	12.591	91	10559	2.022	ug/l	95
84) 1,2,4-Trimethylbenzene	13.036	105	18567	5.312	ug/l	94
86) p-Isopropyltoluene	13.286	119	8651m	2.244	ug/l	

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

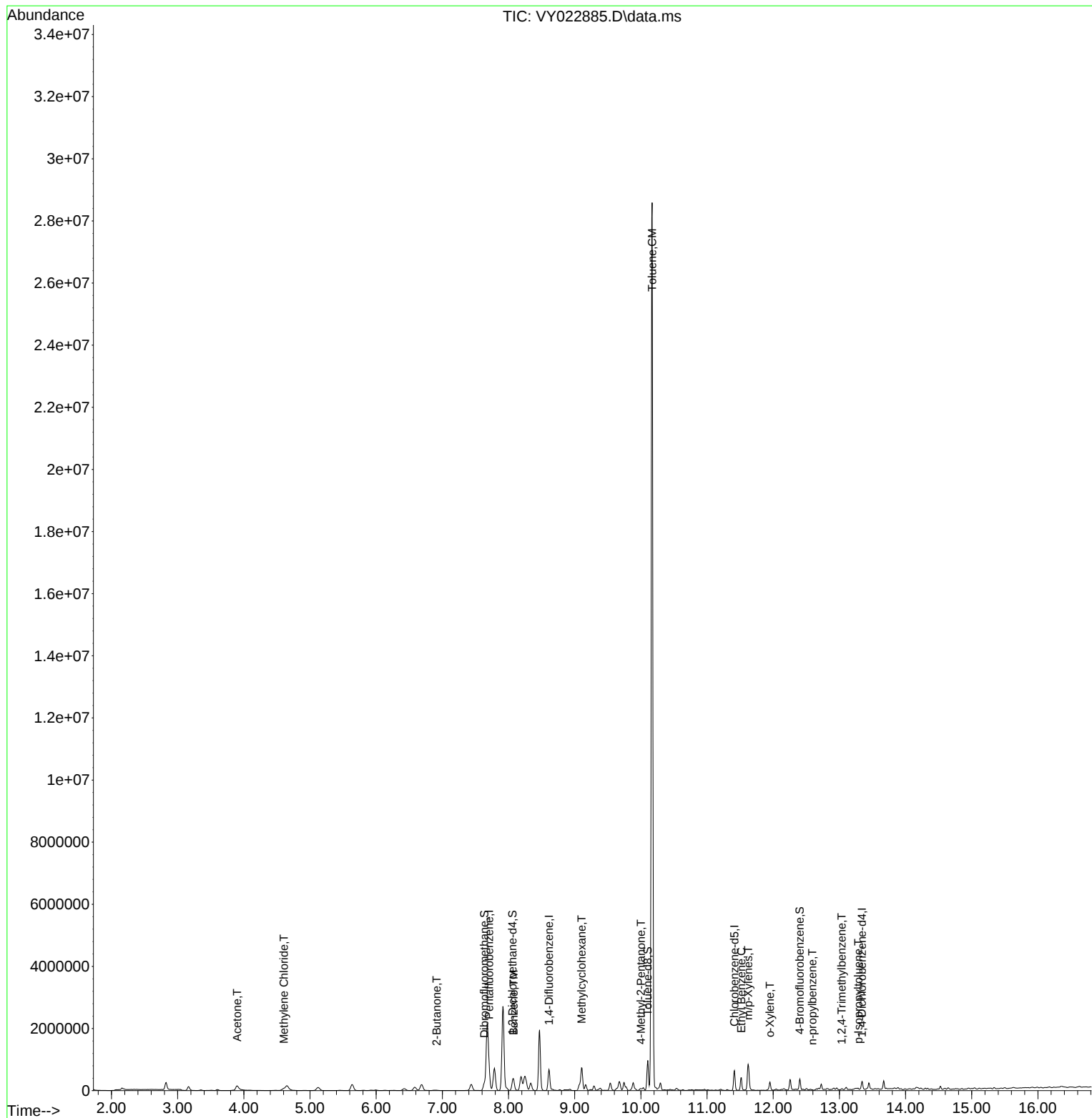
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022885.D
Acq On : 30 Jun 2025 17:12
Operator : SY/MD
Sample : Q2447-07
Misc : 3.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

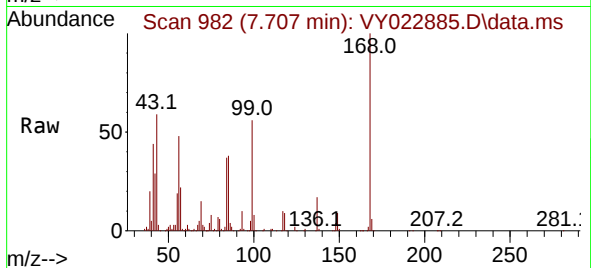
Quant Time: Jul 01 03:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

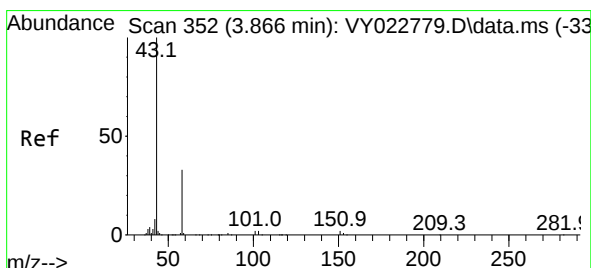
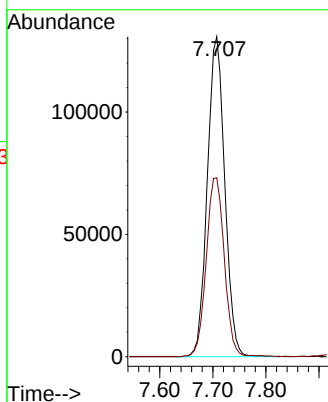
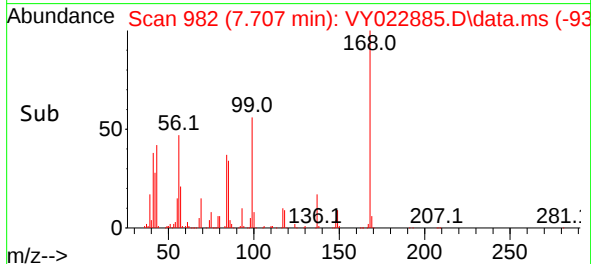
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



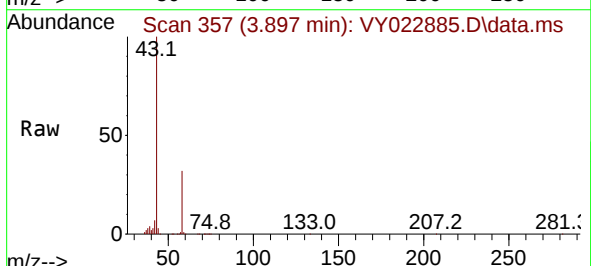
Tgt Ion:168 Resp: 298749
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5

Manual Integrations
APPROVED

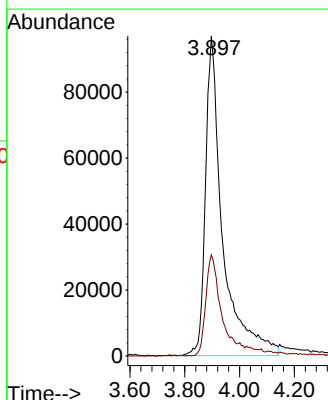
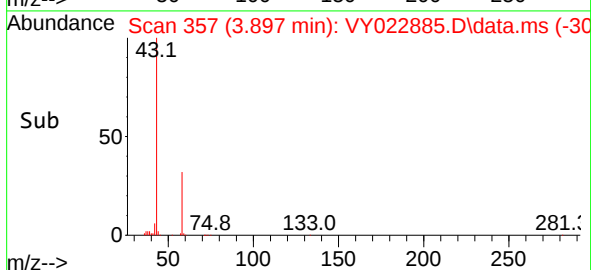
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

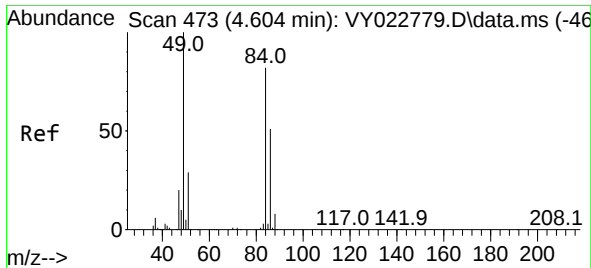


#16
Acetone
Concen: 670.836 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12



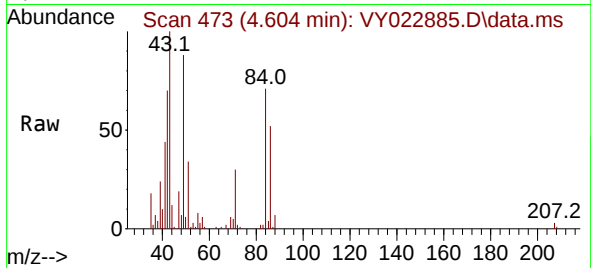
Tgt Ion: 43 Resp: 422772
Ion Ratio Lower Upper
43 100
58 31.5 24.0 36.0





#20
Methylene Chloride
Concen: 6.772 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

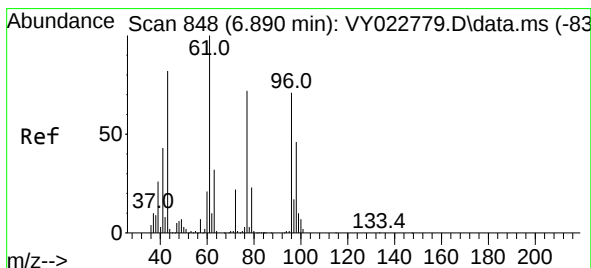
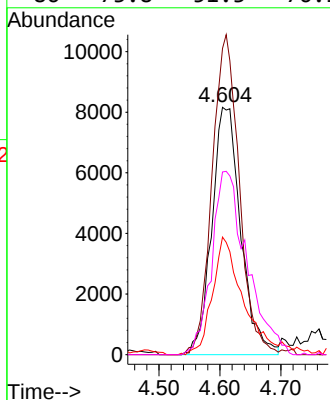
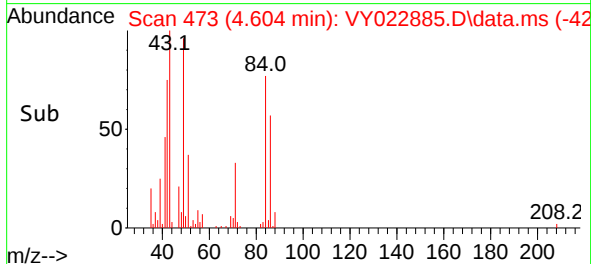
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



Tgt Ion: 84 Resp: 2695
Ion Ratio Lower Upper
84 100
49 123.8 101.9 152.9
51 47.5 29.8 44.8
86 73.8 51.3 76.9

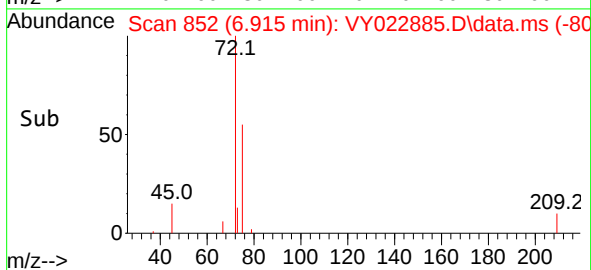
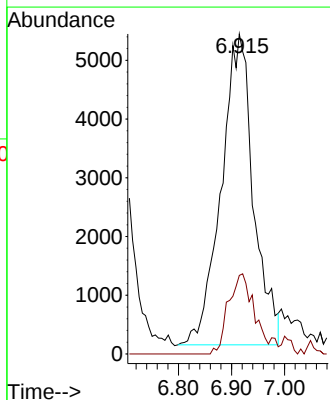
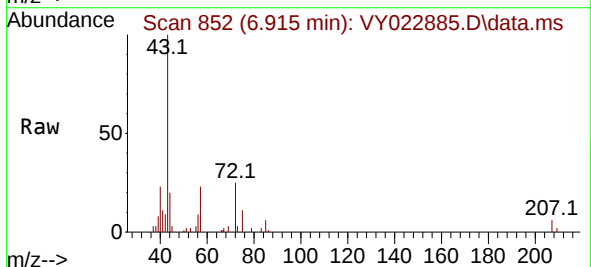
Manual Integrations
APPROVED

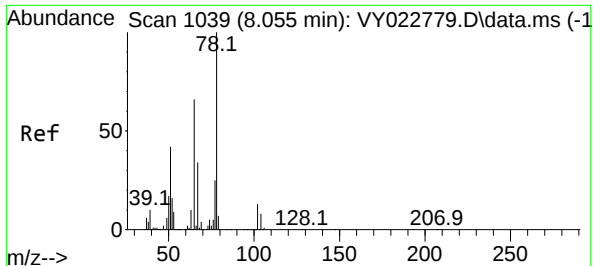
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#25
2-Butanone
Concen: 24.332 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.012 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

Tgt Ion: 43 Resp: 22318
Ion Ratio Lower Upper
43 100
72 25.3 22.9 34.3





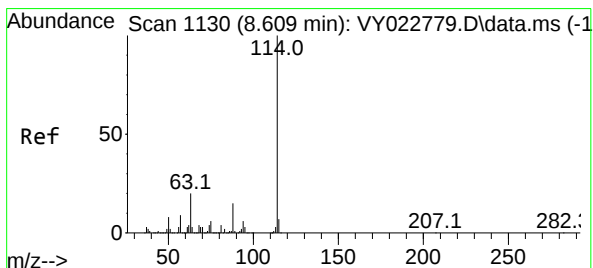
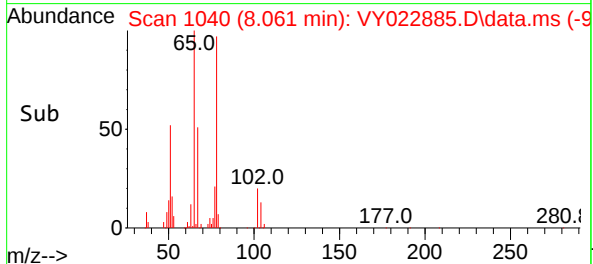
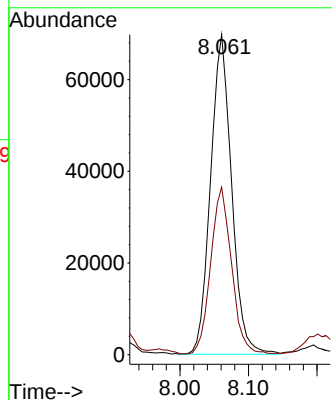
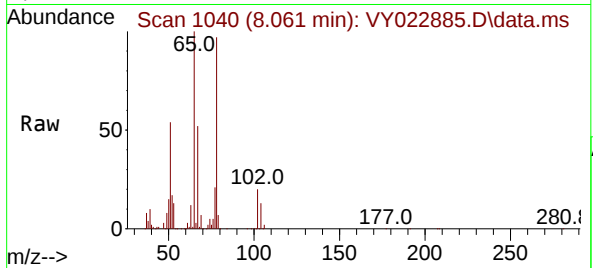
#33
1,2-Dichloroethane-d4
Concen: 44.542 ug/l
RT: 8.061 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100

Tgt Ion: 65 Resp: 148518
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

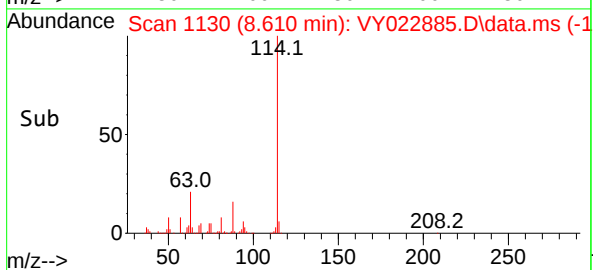
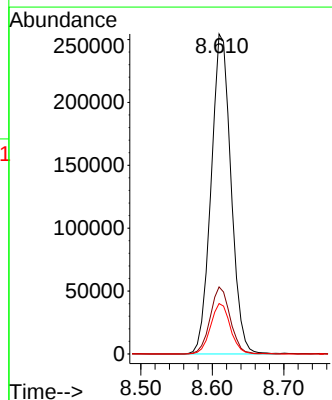
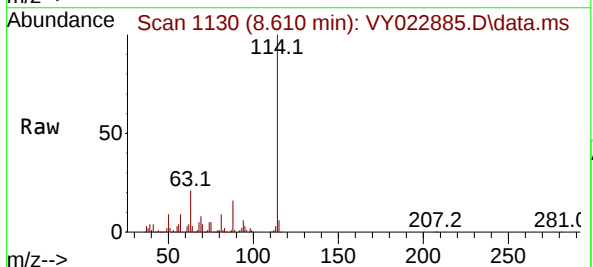
Manual Integrations
APPROVED

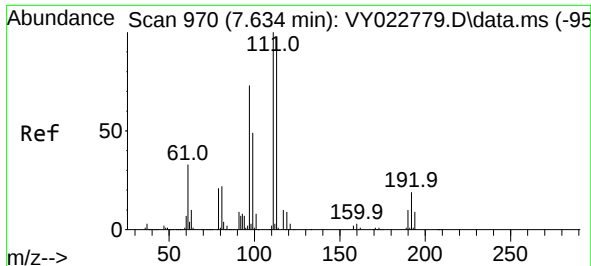
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

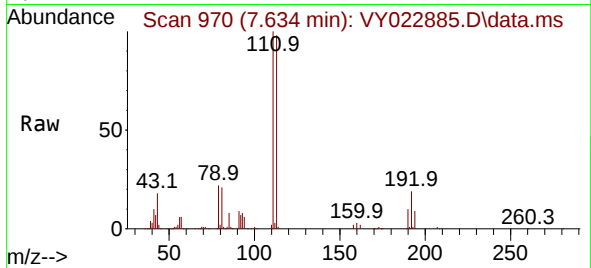
Tgt Ion:114 Resp: 490747
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 15.8 0.0 27.8





#35
Dibromofluoromethane
Concen: 51.471 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

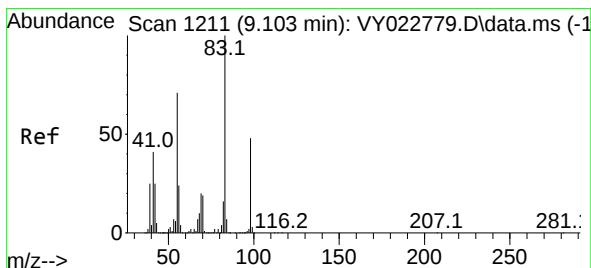
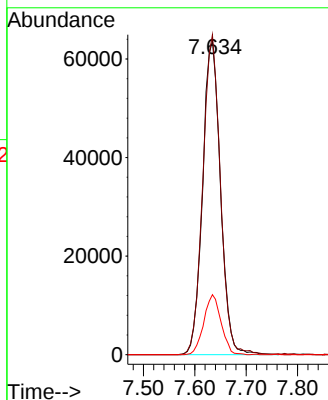
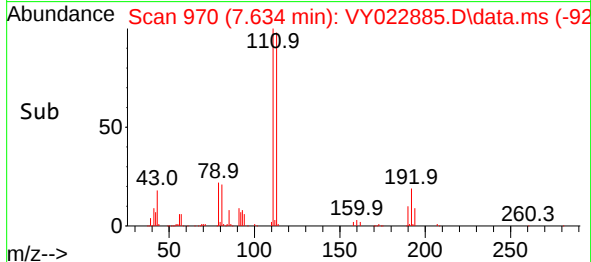
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



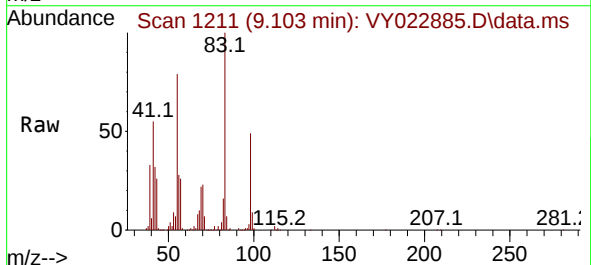
Tgt Ion: 113 Resp: 15361
Ion Ratio Lower Upper
113 100
111 100.5 81.1 121.7
192 18.5 14.2 21.2

Manual Integrations
APPROVED

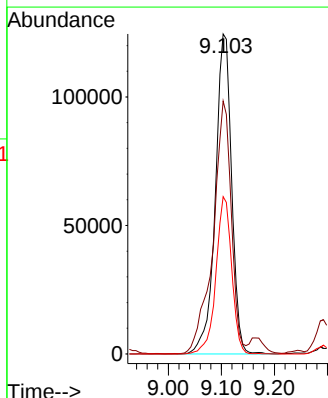
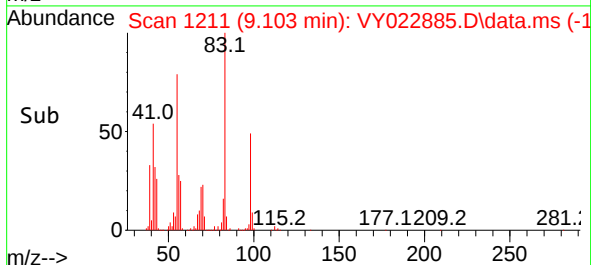
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

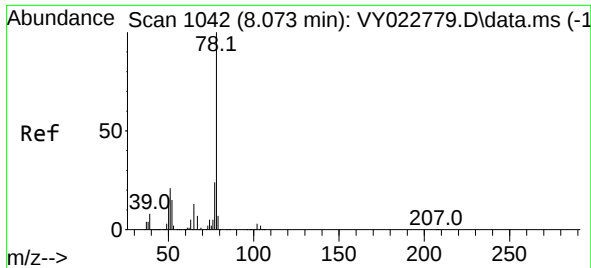


#39
Methylcyclohexane
Concen: 45.396 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.012 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12



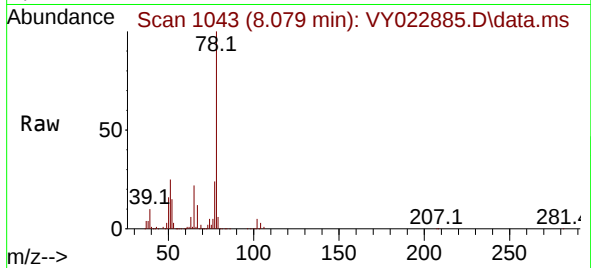
Tgt Ion: 83 Resp: 265759
Ion Ratio Lower Upper
83 100
55 78.9 58.1 87.1
98 49.2 39.0 58.6





#40
Benzene
Concen: 19.269 ug/l
RT: 8.079 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

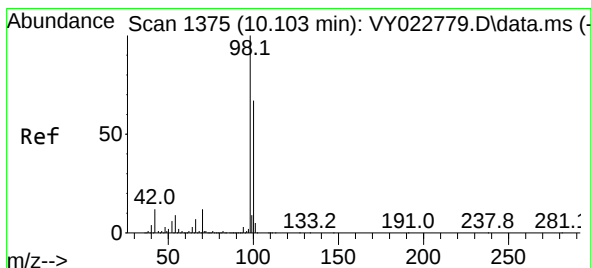
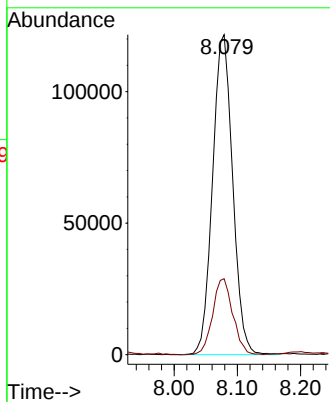
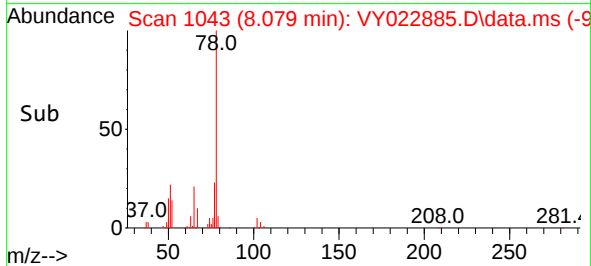
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



Tgt Ion: 78 Resp: 26800
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9

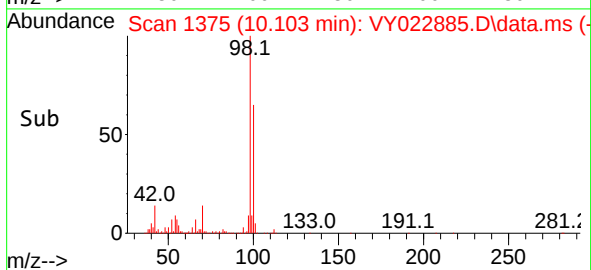
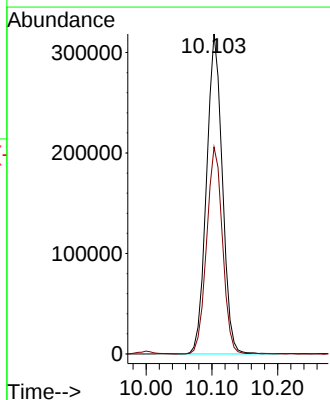
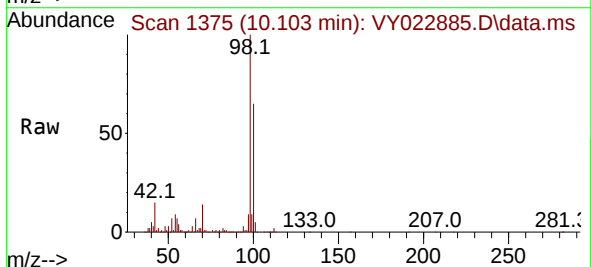
Manual Integrations
APPROVED

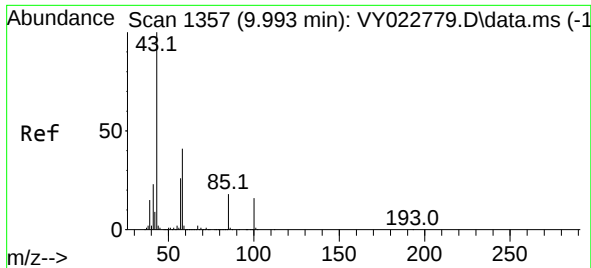
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#50
Toluene-d8
Concen: 45.008 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

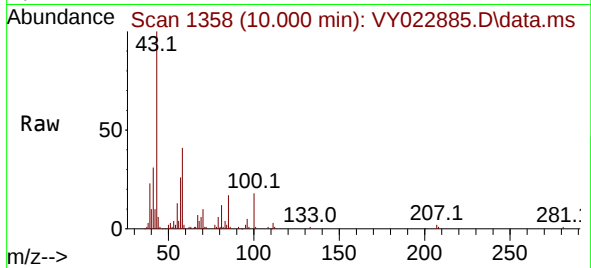
Tgt Ion: 98 Resp: 533018
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 14.280 ug/l m
RT: 10.000 min Scan# 1357
Delta R.T. -0.000 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

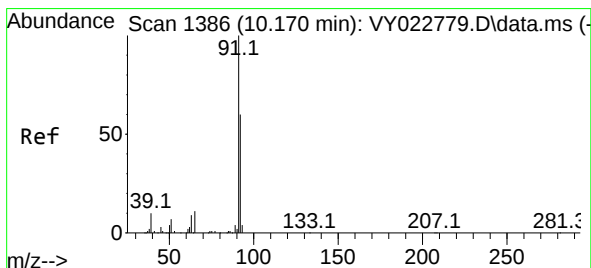
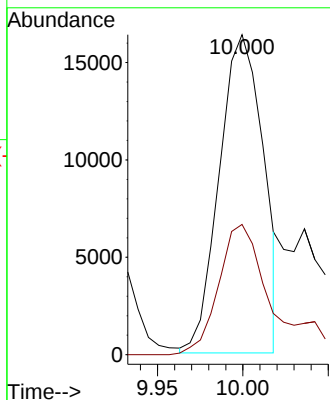
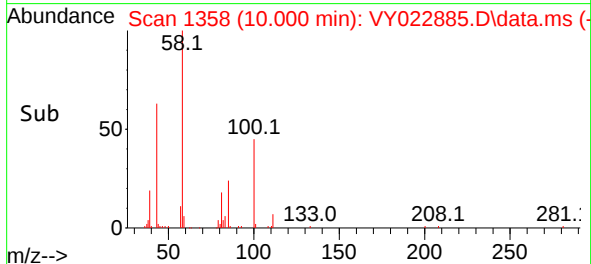
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



Tgt Ion: 43 Resp: 2944
Ion Ratio Lower Upper
43 100
58 50.0 30.4 45.6

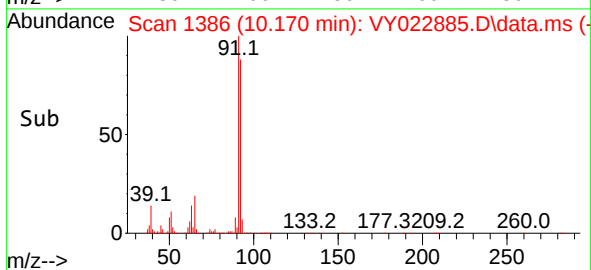
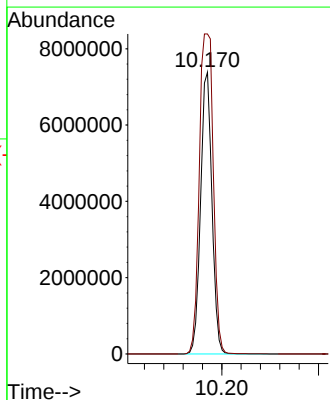
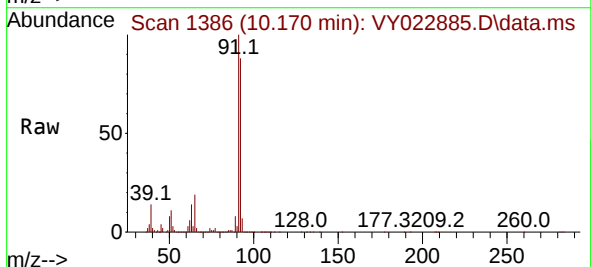
Manual Integrations
APPROVED

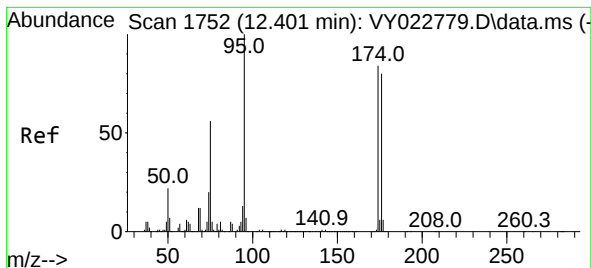
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#52
Toluene
Concen: 1369.959 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

Tgt Ion: 92 Resp:12020817
Ion Ratio Lower Upper
92 100
91 140.4 139.0 208.4





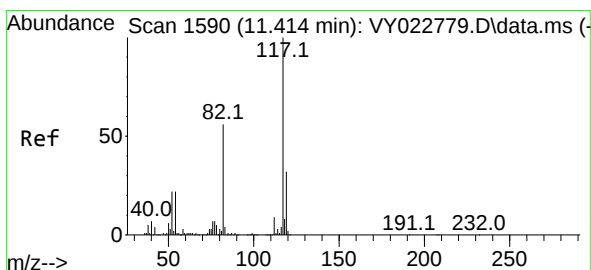
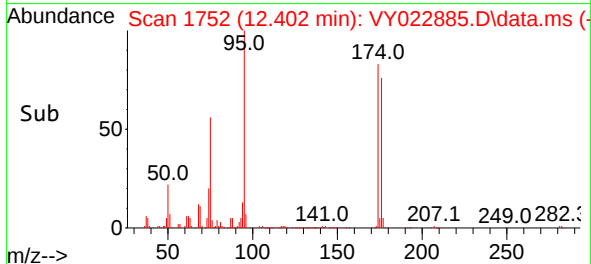
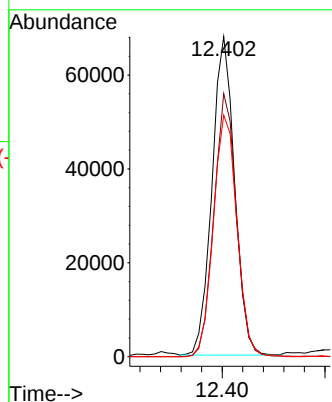
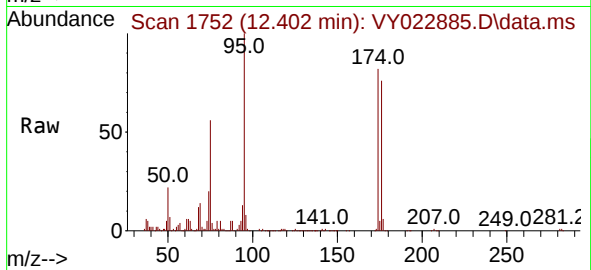
#62
4-Bromofluorobenzene
Concen: 27.071 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100

Tgt Ion: 95 Resp: 103064
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.0
176 79.3 0.0 166.2

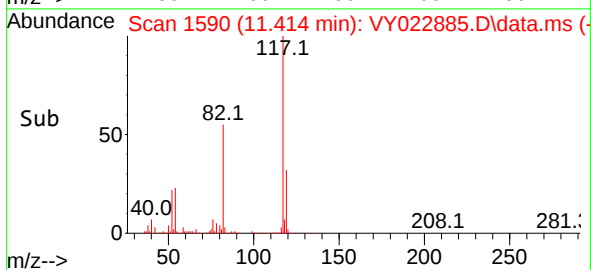
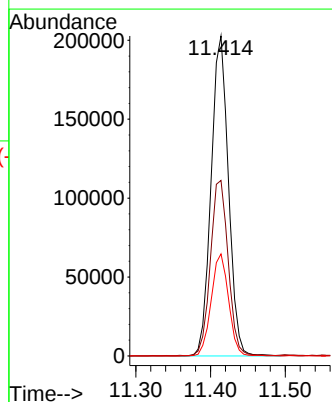
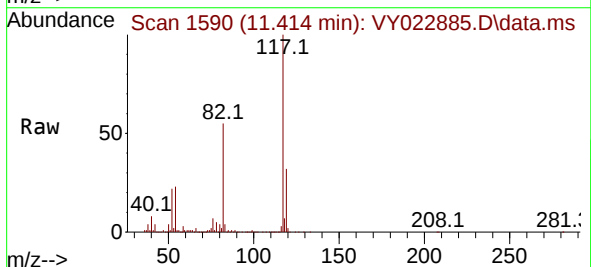
Manual Integrations
APPROVED

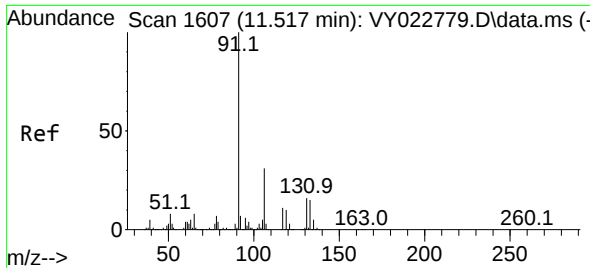
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

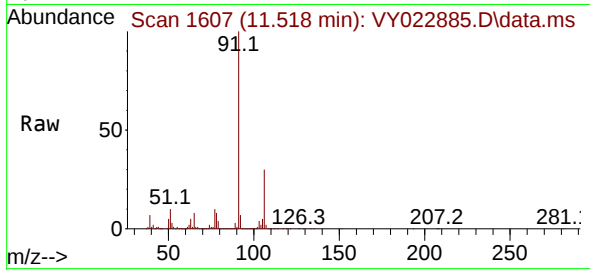
Tgt Ion:117 Resp: 326623
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 31.9 25.4 38.0





#67
Ethyl Benzene
Concen: 21.737 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

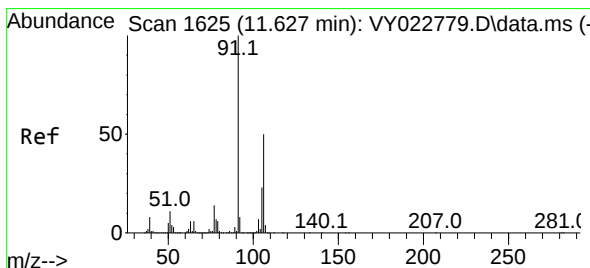
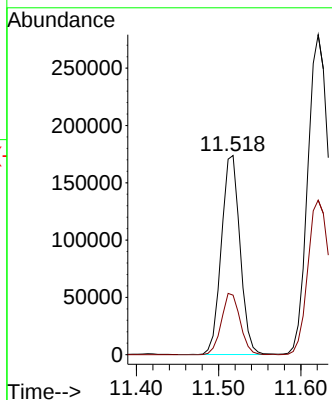
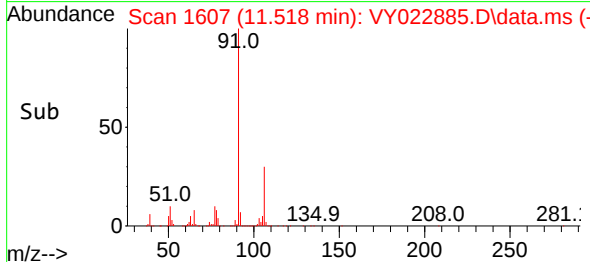
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



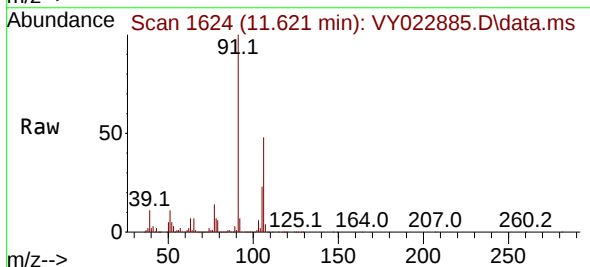
Tgt Ion: 91 Resp: 274095
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4

Manual Integrations
APPROVED

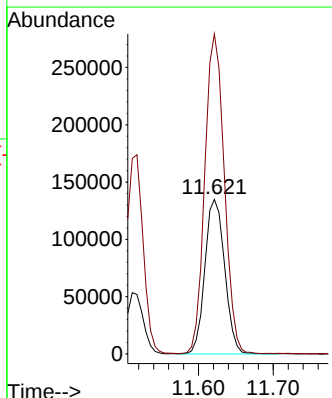
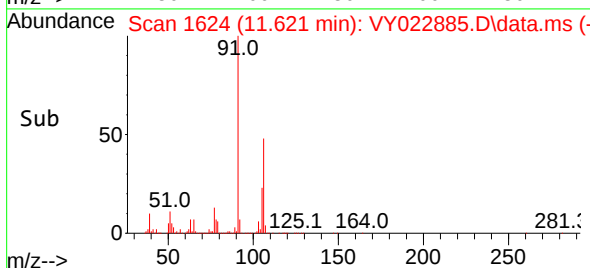
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

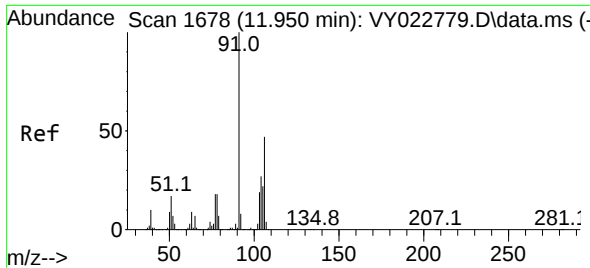


#68
m/p-Xylenes
Concen: 50.757 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12



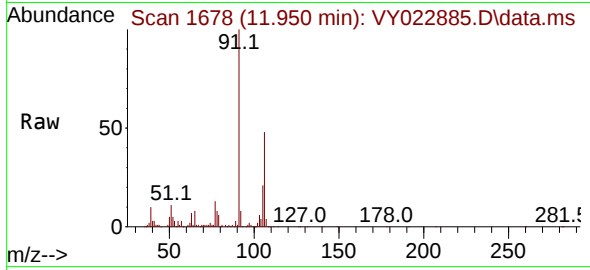
Tgt Ion:106 Resp: 247414
Ion Ratio Lower Upper
106 100
91 203.9 159.4 239.0





#69
o-Xylene
Concen: 13.656 ug/l
RT: 11.950 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

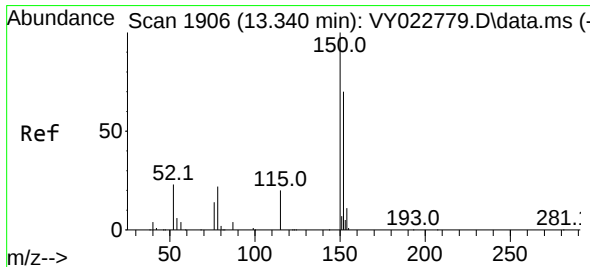
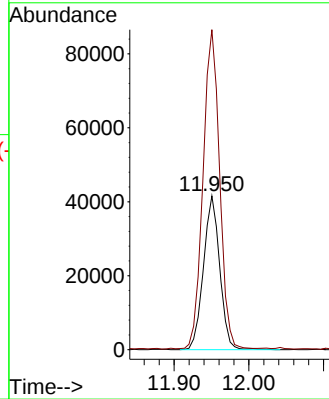
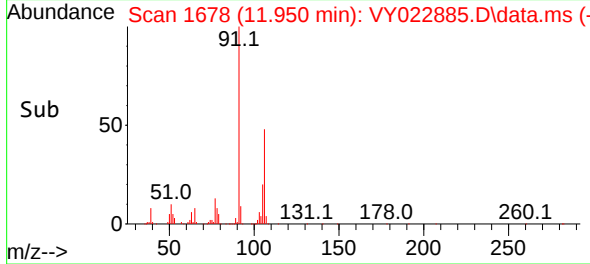
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0100



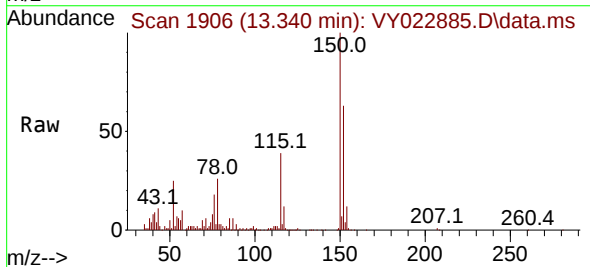
Tgt Ion:106 Resp: 6272
Ion Ratio Lower Upper
106 100
91 211.5 105.8 317.3

Manual Integrations
APPROVED

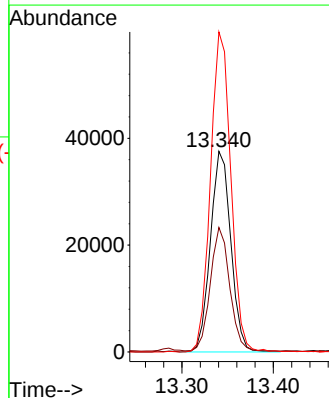
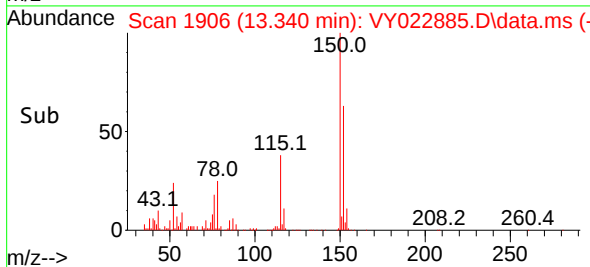
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

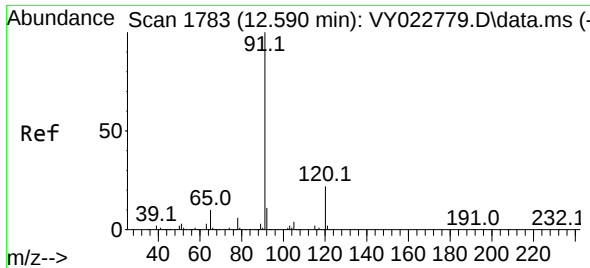


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12



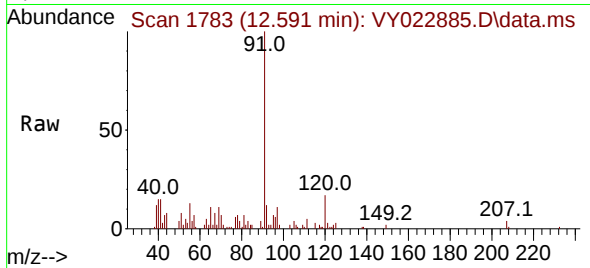
Tgt Ion:152 Resp: 58475
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.7
150 158.3 0.0 349.6





#78
n-propylbenzene
Concen: 2.022 ug/l
RT: 12.591 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12

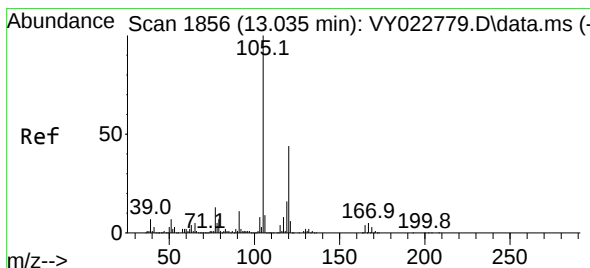
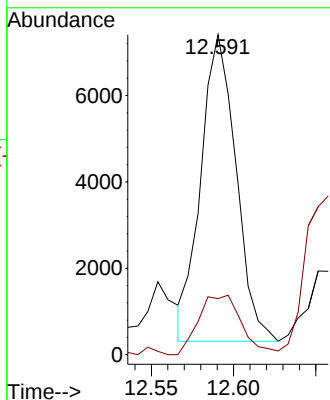
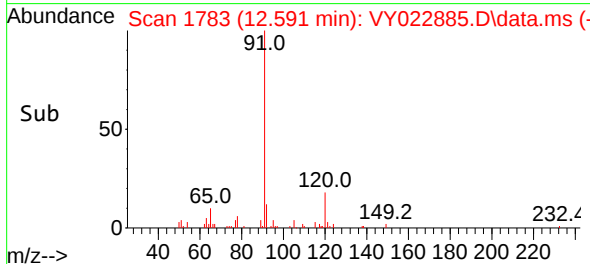
Instrument : MSVOA_Y
ClientSampleId : LAW-25-0100



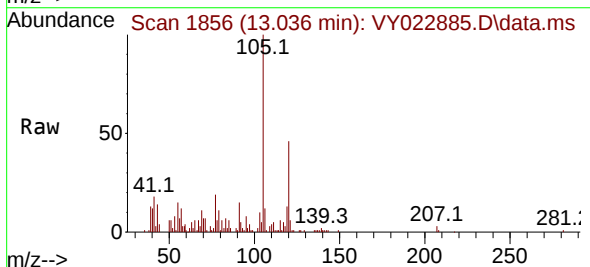
Tgt Ion: 91 Resp: 10559
Ion Ratio Lower Upper
91 100
120 23.8 10.8 32.4

Manual Integrations
APPROVED

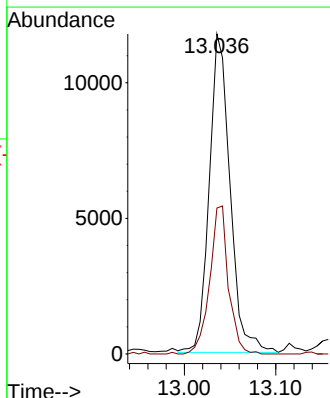
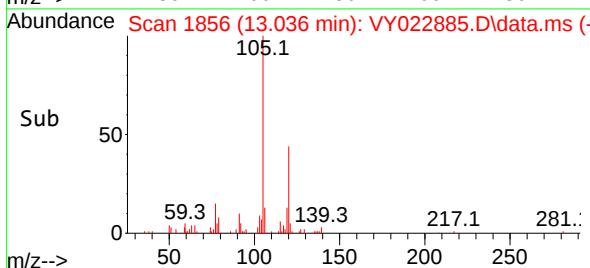
Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

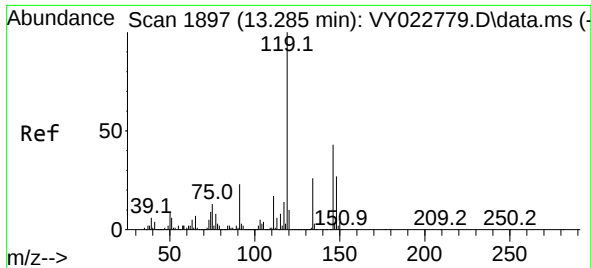


#84
1,2,4-Trimethylbenzene
Concen: 5.312 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022885.D
Acq: 30 Jun 2025 17:12



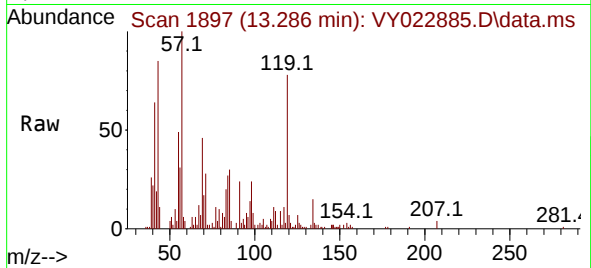
Tgt Ion:105 Resp: 18567
Ion Ratio Lower Upper
105 100
120 41.7 22.7 68.1





#86
 p-Isopropyltoluene
 Concen: 2.244 ug/l m
 RT: 13.286 min Scan# 1897
 Delta R.T. -0.006 min
 Lab File: VY022885.D
 Acq: 30 Jun 2025 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0100



Tgt Ion:119 Resp: 865
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.1 39.1
 91 0.0 11.6 34.8

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

