

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038998.D
 Acq On : 21 Aug 2025 21:49
 Operator : SY/MD
 Sample : Q2924-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2B-082025

Quant Time: Aug 22 04:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/22/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	444034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	845792	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	758397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	411561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	358309	57.508	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 115.020%			
35) Dibromofluoromethane	4.503	113	284865	44.910	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 89.820%			
50) Toluene-d8	7.236	98	959648	43.387	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 86.780%#			
62) 4-Bromofluorobenzene	10.001	95	436712	53.972	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 107.940%			
Target Compounds					Qvalue	
16) Acetone	2.127	43	5981	2.392	ug/l	95
19) Methyl tert-butyl Ether	2.709	73	142496	9.563	ug/l	92
21) trans-1,2-Dichloroethene	2.706	96	160213	30.523	ug/l	95
27) cis-1,2-Dichloroethene	3.822	96	370108	58.421	ug/l	91
39) Methylcyclohexane	6.053	83	13689	1.301	ug/l	99
40) Benzene	4.989	78	40625844m	1574.616	ug/l	
44) Trichloroethene	5.850	130	13355	1.908	ug/l	93
52) Toluene	7.313	92	222220	13.600	ug/l	99
67) Ethyl Benzene	8.931	91	16987346m	608.544	ug/l	
68) m/p-Xylenes	9.066	106	605398	55.841	ug/l	100
69) o-Xylene	9.468	106	497892	50.387	ug/l	100
73) Isopropylbenzene	9.857	105	2172226	78.656	ug/l	100
78) n-propylbenzene	10.278	91	727853	22.074	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	458126	19.712	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	1277488	57.438	ug/l	99

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

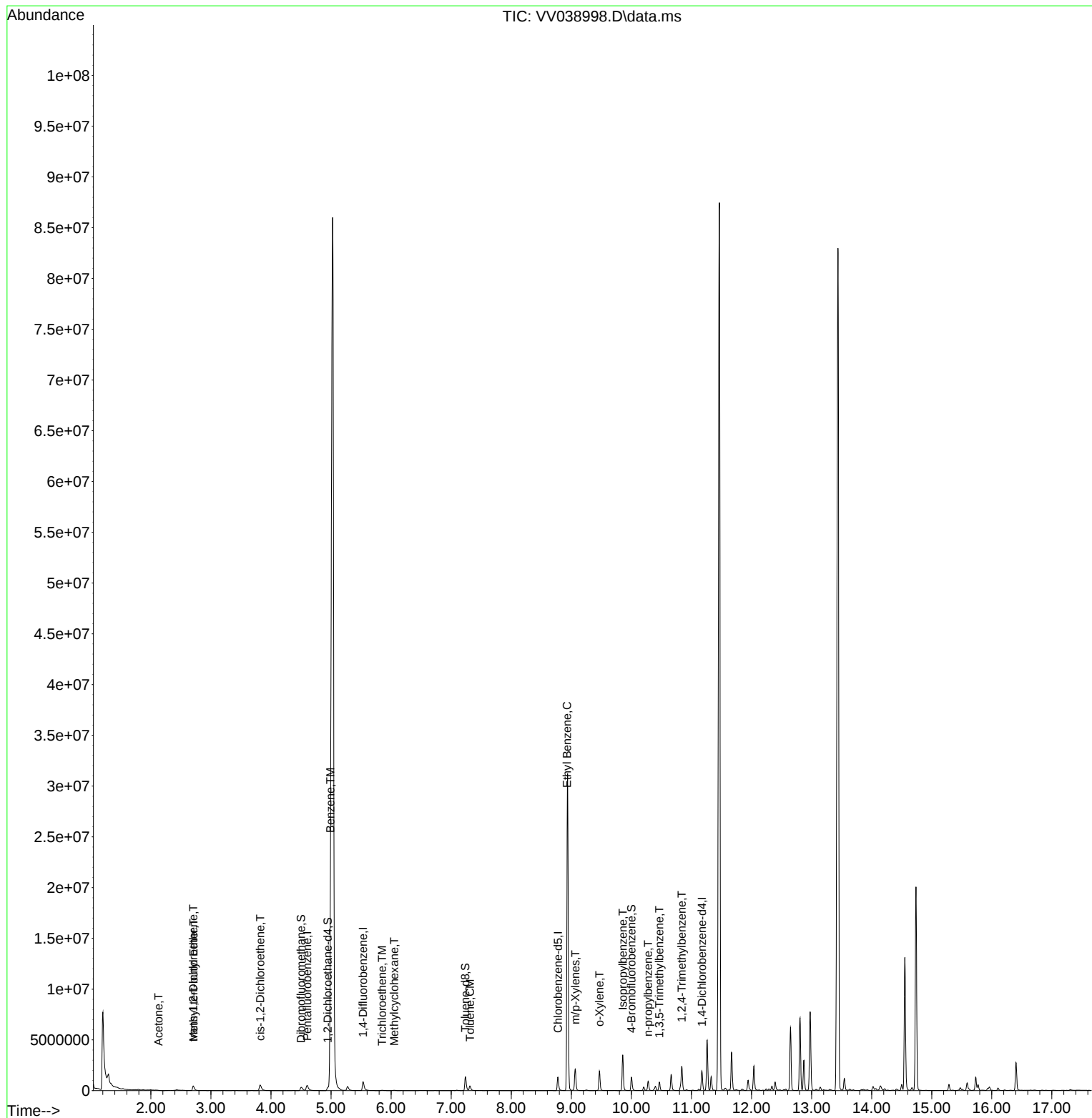
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
Data File : VV038998.D
Acq On : 21 Aug 2025 21:49
Operator : SY/MD
Sample : Q2924-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

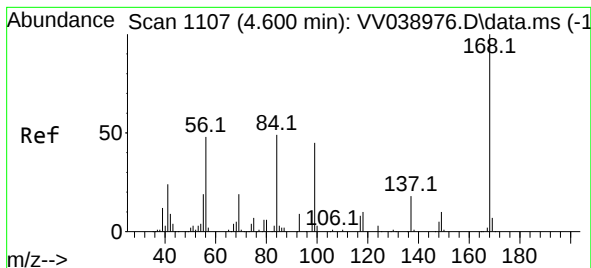
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025

Quant Time: Aug 22 04:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 04:15:04 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 08/22/2025
Supervised By : Mahesh Dadoda 08/25/2025





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV038998.D

Acq: 21 Aug 2025 21:49

Instrument :

MSVOA_V

ClientSampleId :

MW-2B-082025

Tgt Ion:168 Resp: 444034

Ion Ratio Lower Upper

168 100

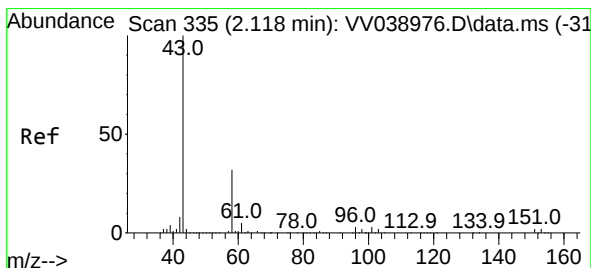
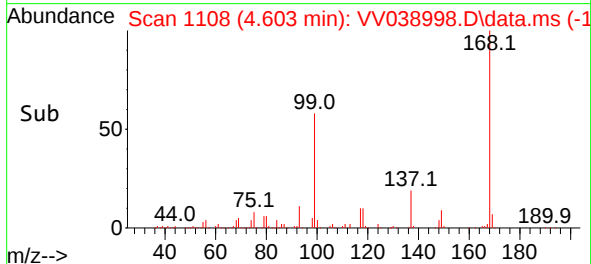
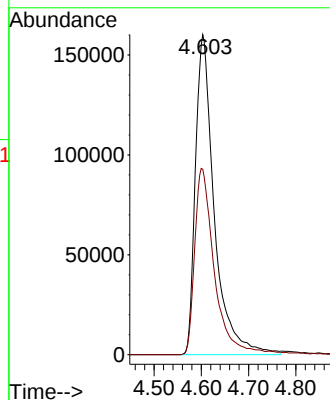
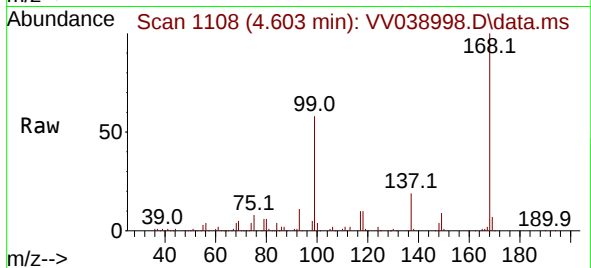
99 57.9 47.0 70.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#16

Acetone

Concen: 2.392 ug/l

RT: 2.127 min Scan# 338

Delta R.T. 0.009 min

Lab File: VV038998.D

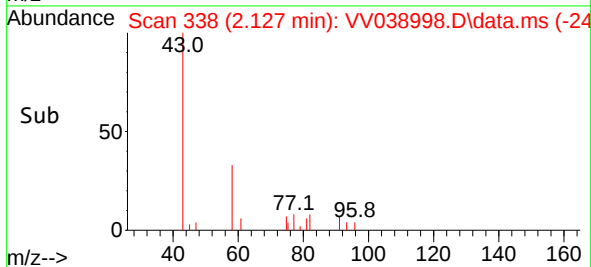
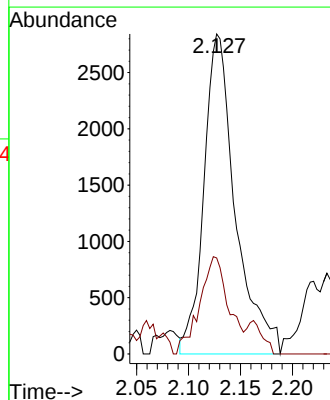
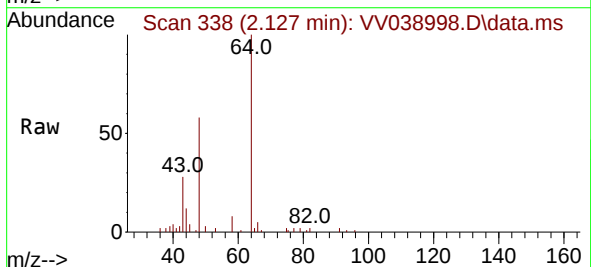
Acq: 21 Aug 2025 21:49

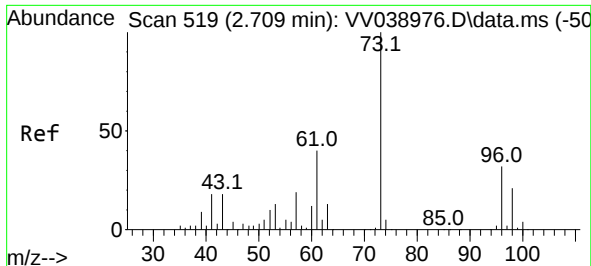
Tgt Ion: 43 Resp: 5981

Ion Ratio Lower Upper

43 100

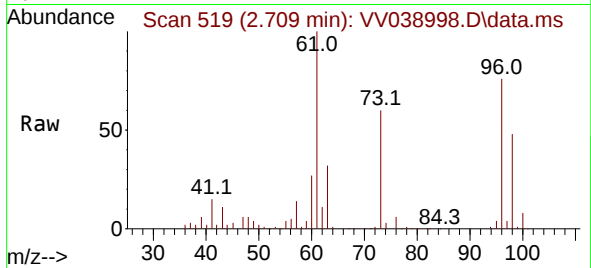
58 30.0 26.3 39.5





#19
Methyl tert-butyl Ether
Concen: 9.563 ug/l
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

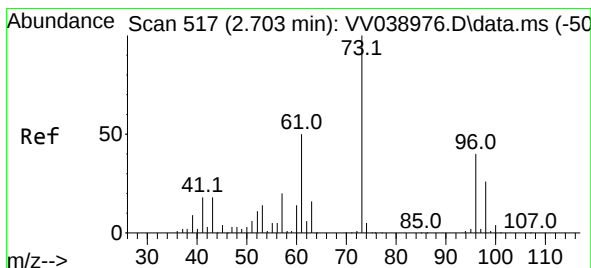
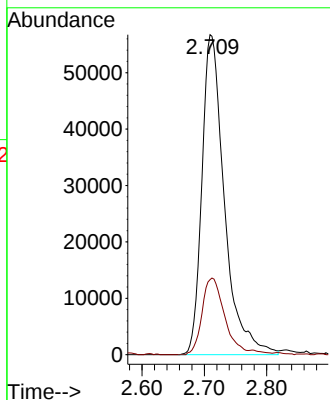
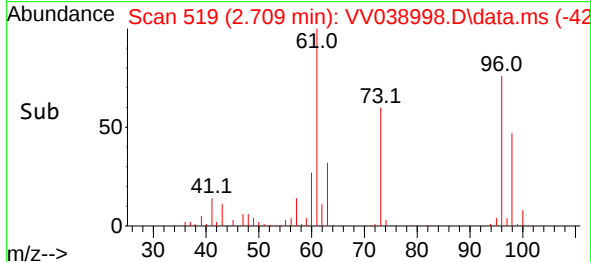
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025



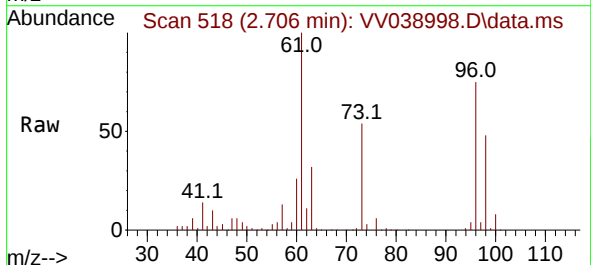
Tgt Ion: 73 Resp: 142490
Ion Ratio Lower Upper
73 100
57 23.5 15.7 23.5

Manual Integrations
APPROVED

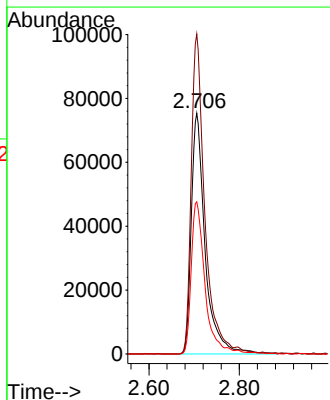
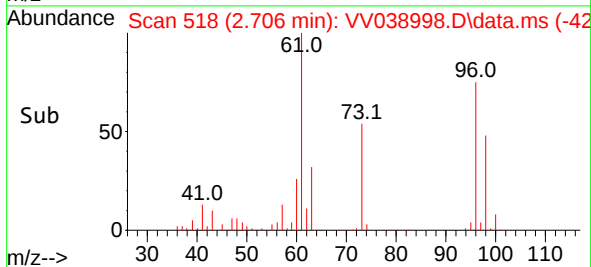
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

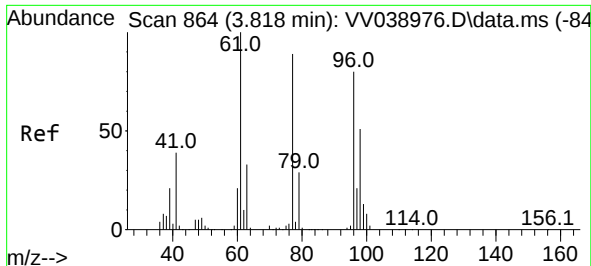


#21
trans-1,2-Dichloroethene
Concen: 30.523 ug/l
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49



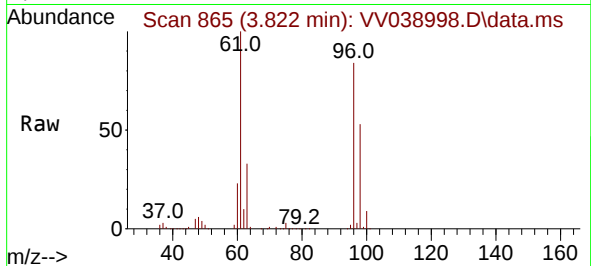
Tgt Ion: 96 Resp: 160213
Ion Ratio Lower Upper
96 100
61 132.9 100.6 151.0
98 63.2 51.5 77.3





#27
 cis-1,2-Dichloroethene
 Concen: 58.421 ug/l
 RT: 3.822 min Scan# 80
 Delta R.T. 0.004 min
 Lab File: VV038998.D
 Acq: 21 Aug 2025 21:49

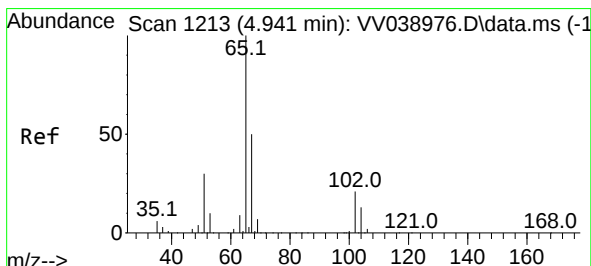
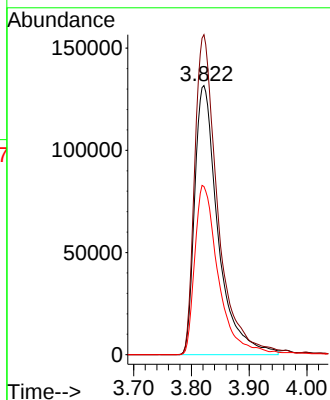
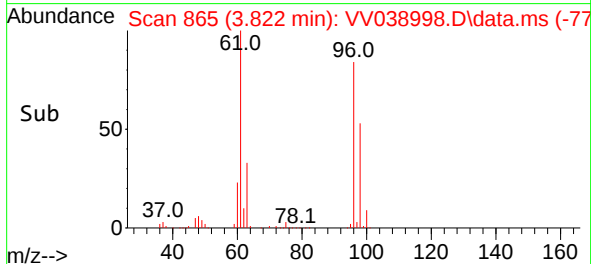
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2B-082025



Tgt Ion: 96 Resp: 370108
 Ion Ratio Lower Upper
 96 100
 61 118.4 0.0 264.4
 98 63.2 0.0 131.8

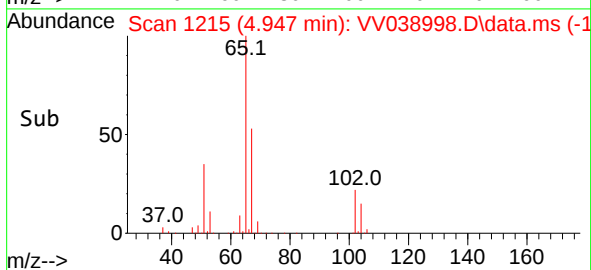
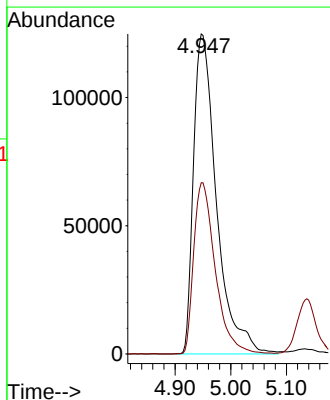
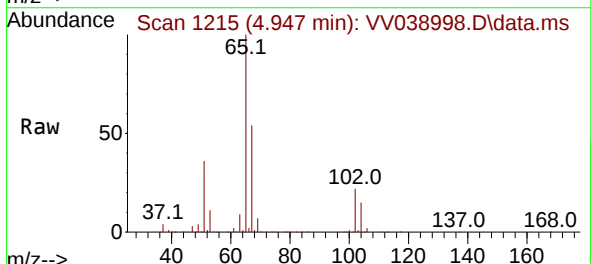
Manual Integrations
 APPROVED

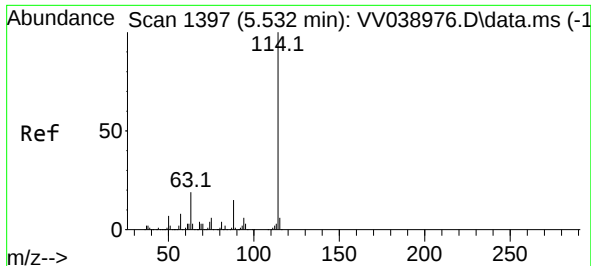
Reviewed By :John Carlone 08/22/2025
 Supervised By :Mahesh Dadoda 08/25/2025



#33
 1,2-Dichloroethane-d4
 Concen: 57.508 ug/l
 RT: 4.947 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VV038998.D
 Acq: 21 Aug 2025 21:49

Tgt Ion: 65 Resp: 358309
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV038998.D

Acq: 21 Aug 2025 21:49

Instrument :

MSVOA_V

ClientSampleId :

MW-2B-082025

Tgt Ion:114 Resp: 845792

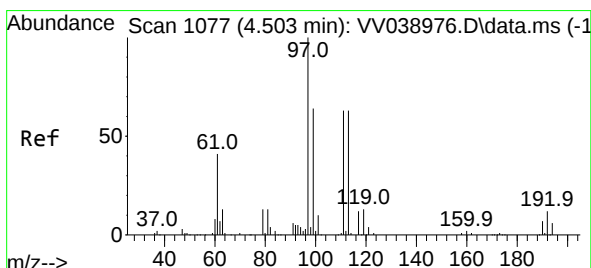
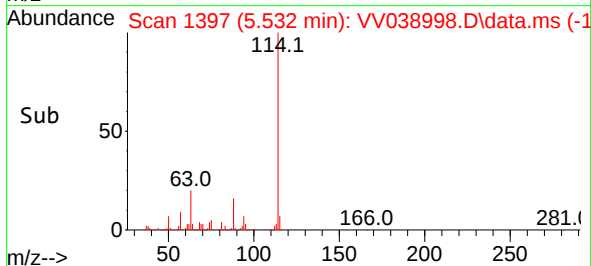
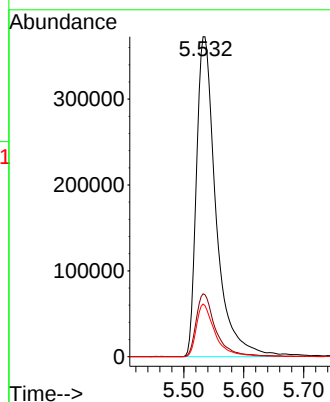
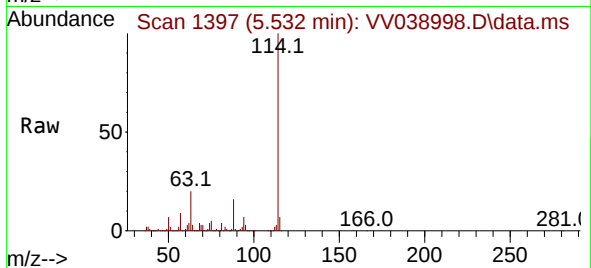
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	37.4
88	16.4	0.0	30.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025



#35

Dibromofluoromethane

Concen: 44.910 ug/l

RT: 4.503 min Scan# 1077

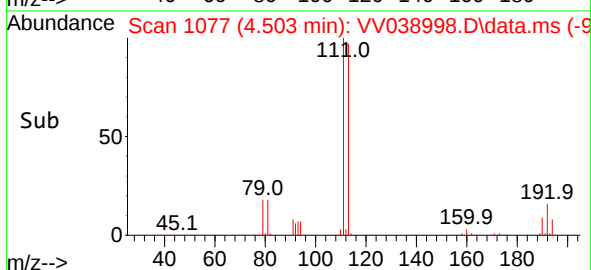
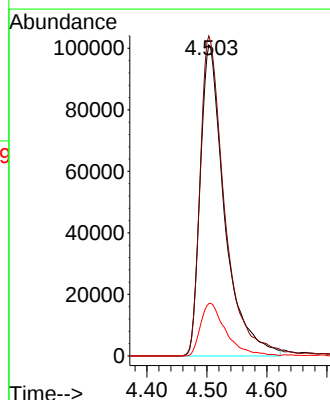
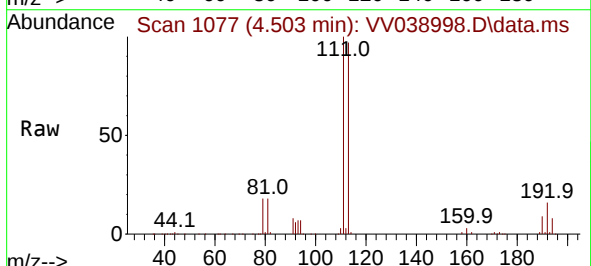
Delta R.T. -0.000 min

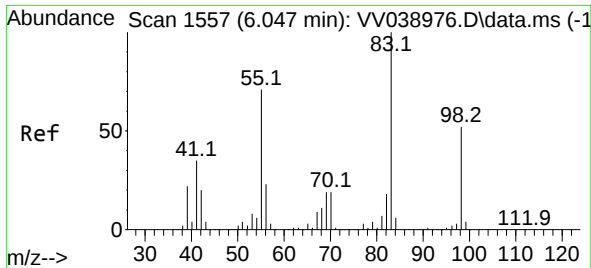
Lab File: VV038998.D

Acq: 21 Aug 2025 21:49

Tgt Ion:113 Resp: 284865

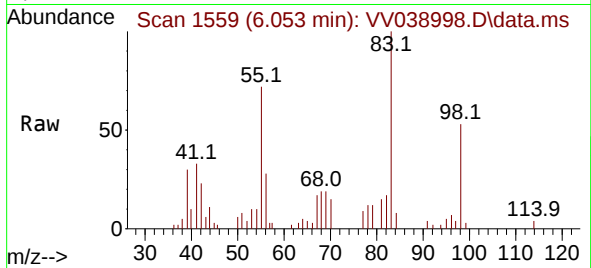
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.3	121.9
192	17.7	15.4	23.0





#39
Methylcyclohexane
Concen: 1.301 ug/l
RT: 6.053 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

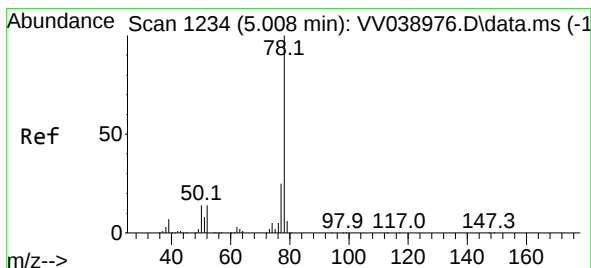
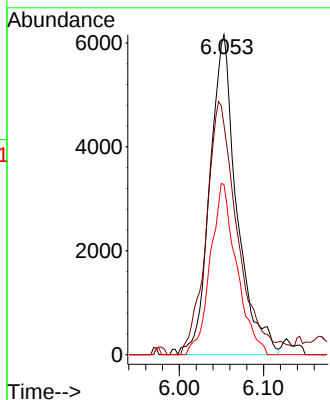
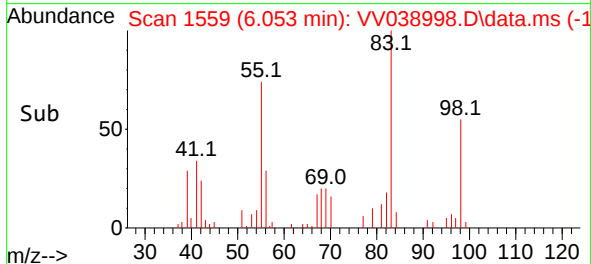
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025



Tgt Ion: 83 Resp: 13689
Ion Ratio Lower Upper
83 100
55 71.8 57.0 85.6
98 53.2 41.3 61.9

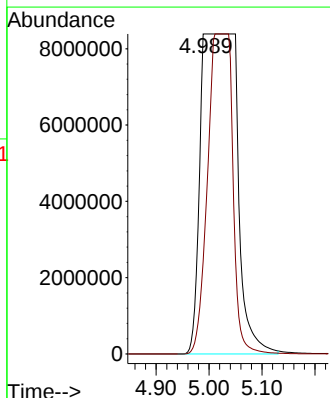
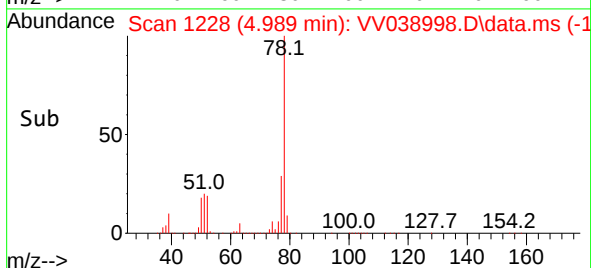
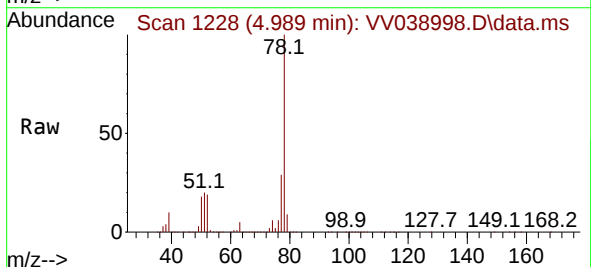
Manual Integrations
APPROVED

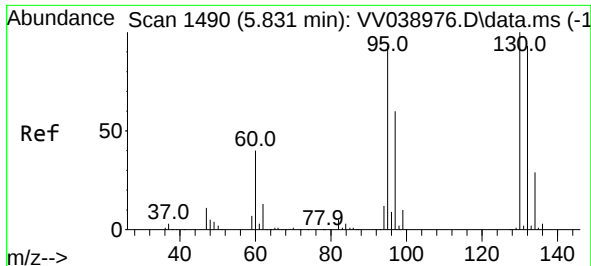
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#40
Benzene
Concen: 1574.616 ug/l m
RT: 4.989 min Scan# 1228
Delta R.T. -0.019 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

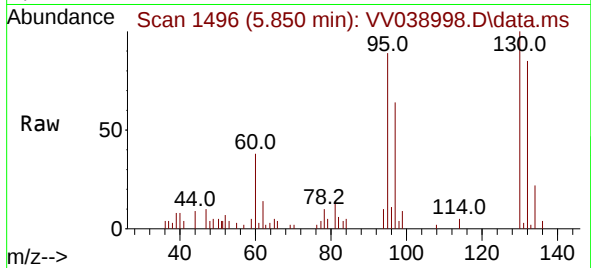
Tgt Ion: 78 Resp:40625844
Ion Ratio Lower Upper
78 100
77 29.0 19.6 29.4





#44
Trichloroethene
Concen: 1.908 ug/l
RT: 5.850 min Scan# 1490
Delta R.T. 0.019 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

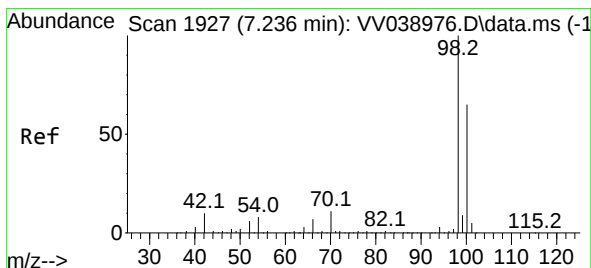
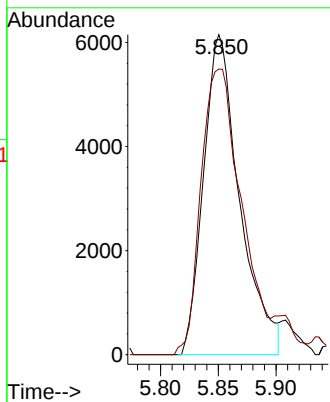
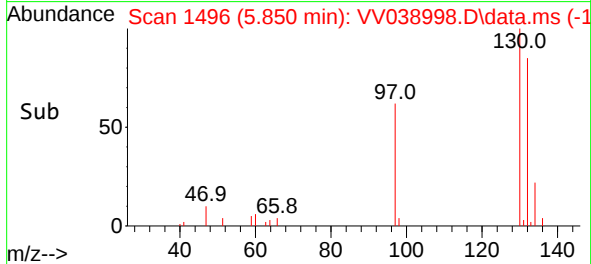
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025



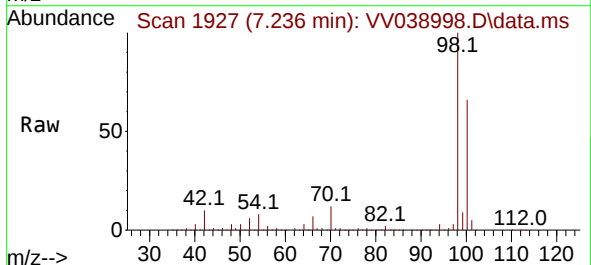
Tgt Ion:130 Resp: 1335
Ion Ratio Lower Upper
130 100
95 87.0 0.0 186.6

Manual Integrations
APPROVED

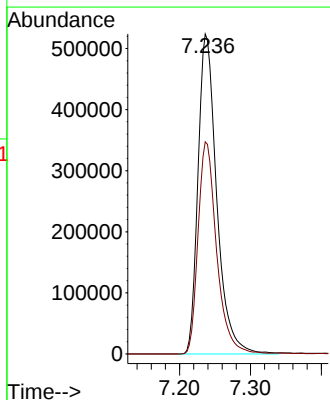
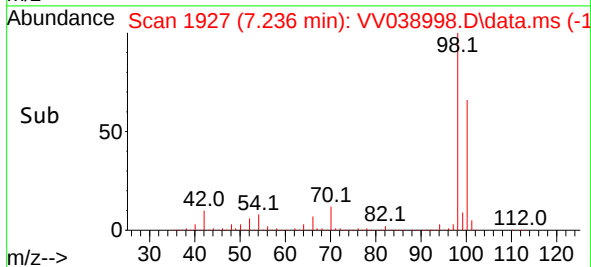
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

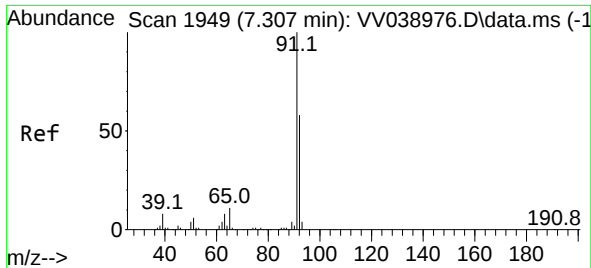


#50
Toluene-d8
Concen: 43.387 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49



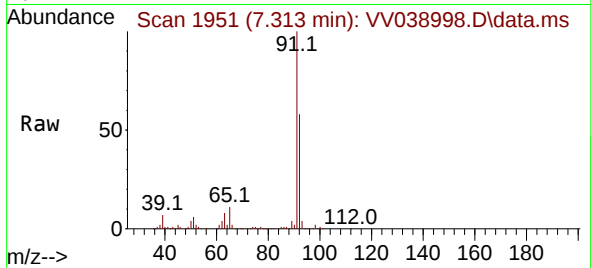
Tgt Ion: 98 Resp: 959648
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2





#52
Toluene
Concen: 13.600 ug/l
RT: 7.313 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

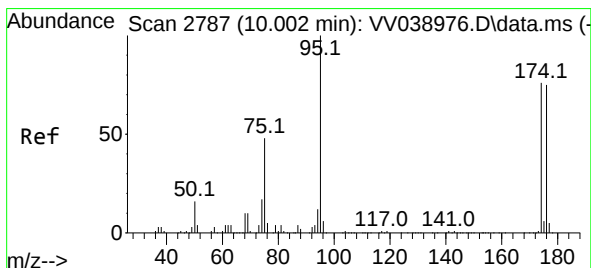
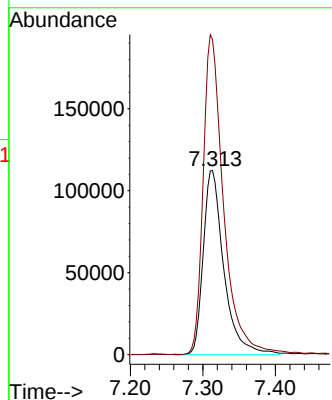
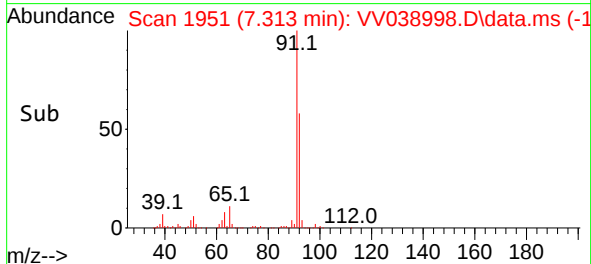
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025



Tgt Ion: 92 Resp: 222220
Ion Ratio Lower Upper
92 100
91 171.4 136.3 204.5

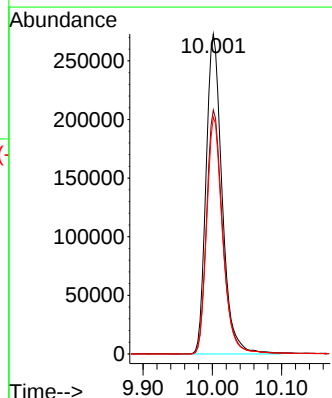
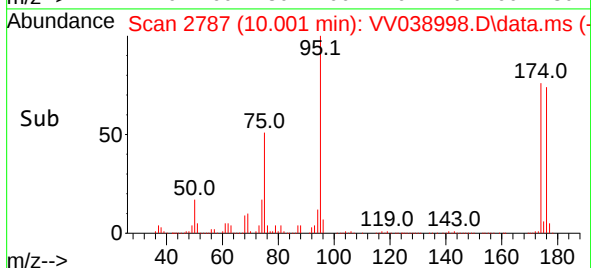
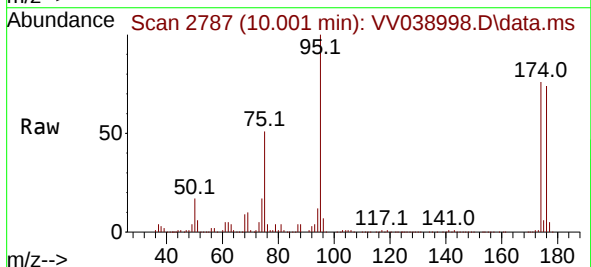
Manual Integrations
APPROVED

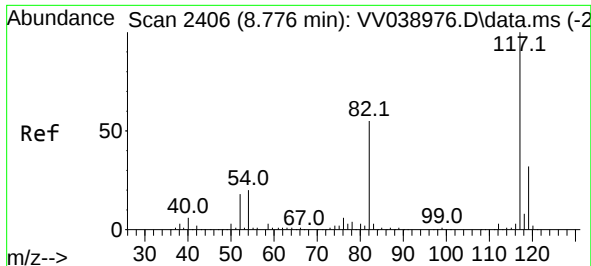
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#62
4-Bromofluorobenzene
Concen: 53.972 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

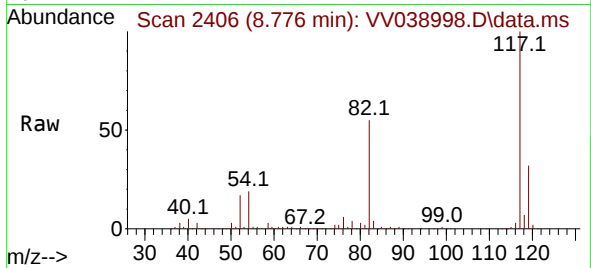
Tgt Ion: 95 Resp: 436712
Ion Ratio Lower Upper
95 100
174 76.5 0.0 154.4
176 73.4 0.0 148.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

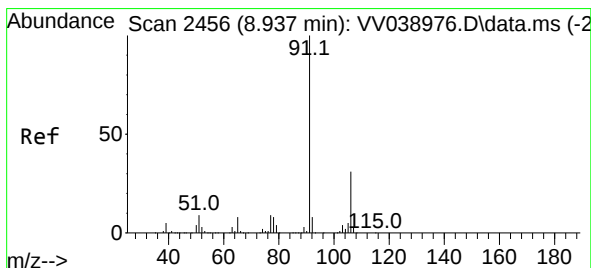
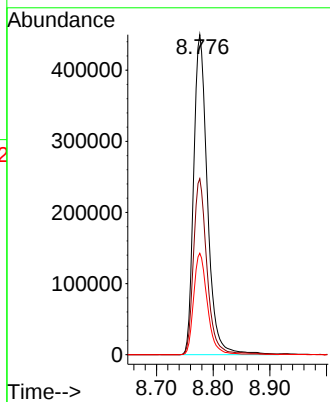
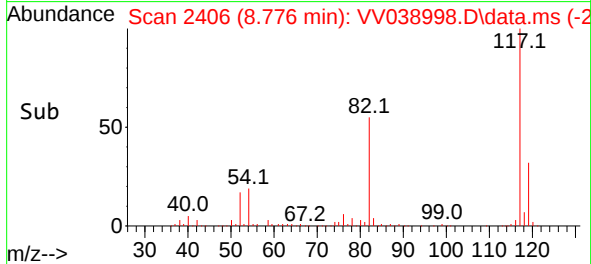
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025



Tgt Ion:117 Resp: 758397
Ion Ratio Lower Upper
117 100
82 55.0 44.4 66.6
119 31.7 26.0 39.0

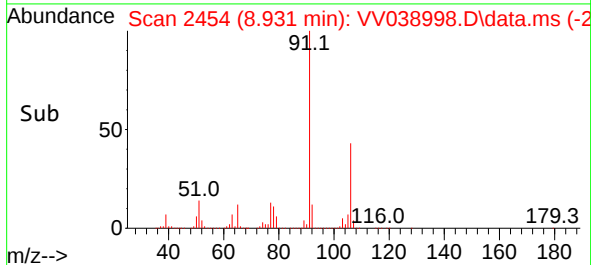
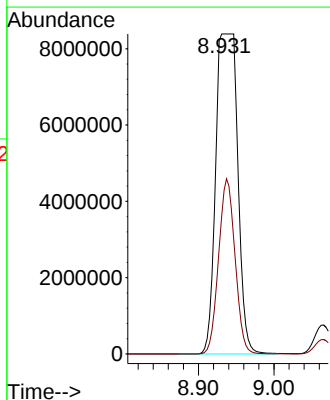
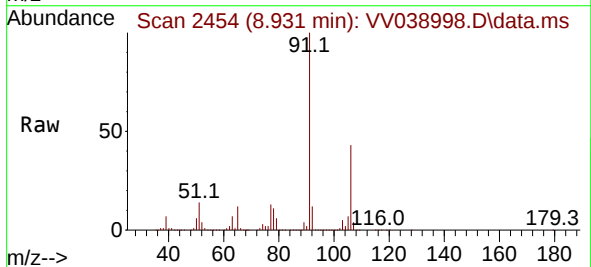
Manual Integrations
APPROVED

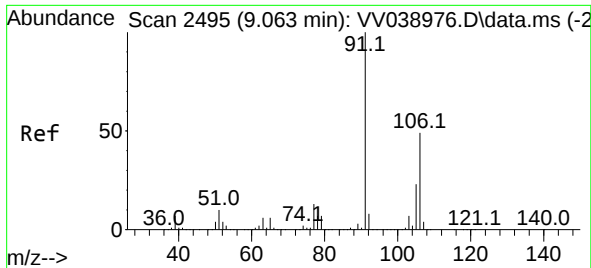
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#67
Ethyl Benzene
Concen: 608.544 ug/l m
RT: 8.931 min Scan# 2454
Delta R.T. -0.007 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion: 91 Resp:16987346
Ion Ratio Lower Upper
91 100
106 43.2 24.6 36.8#





#68
m/p-Xylenes
Concen: 55.841 ug/l
RT: 9.066 min Scan# 2495
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Instrument :

MSVOA_V

ClientSampleId :

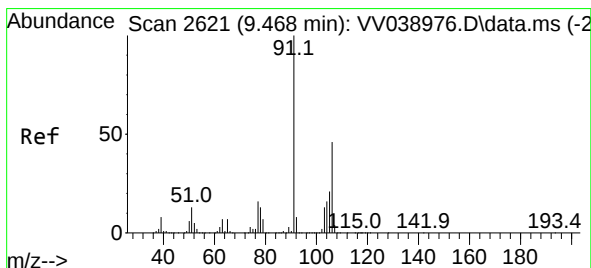
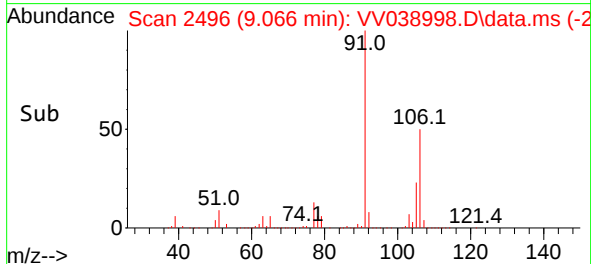
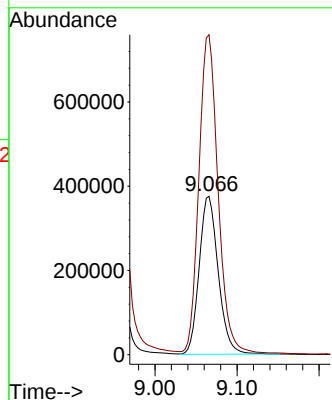
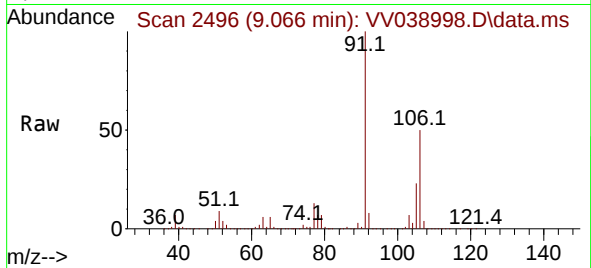
MW-2B-082025

Tgt Ion:106 Resp: 605398
Ion Ratio Lower Upper
106 100
91 204.6 163.6 245.4

Manual Integrations

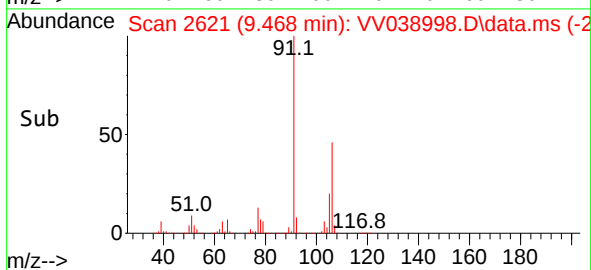
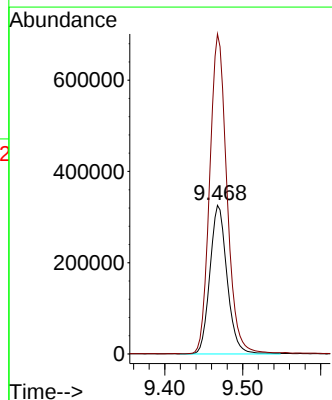
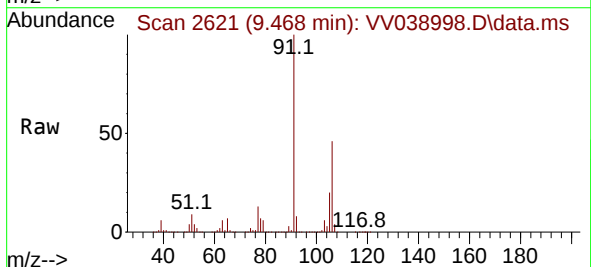
APPROVED

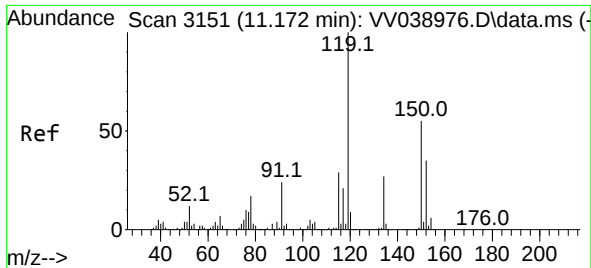
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#69
o-Xylene
Concen: 50.387 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

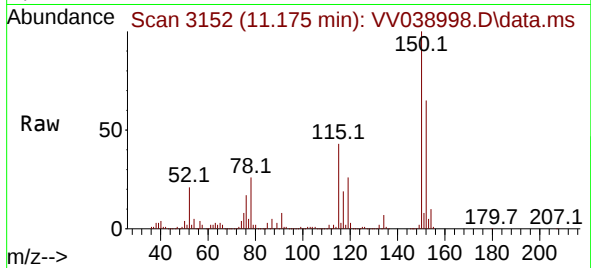
Tgt Ion:106 Resp: 497892
Ion Ratio Lower Upper
106 100
91 216.0 108.0 324.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

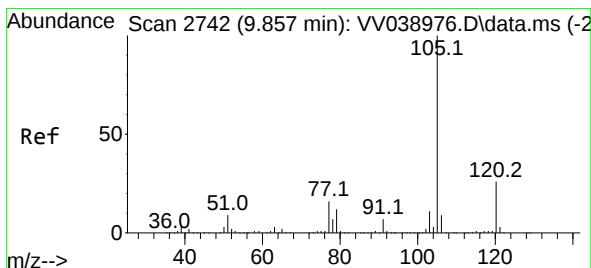
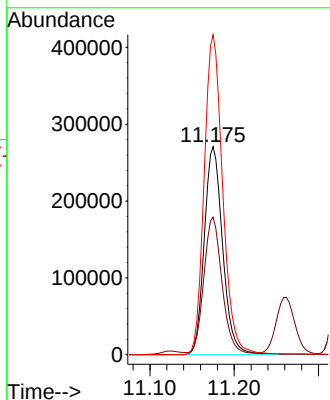
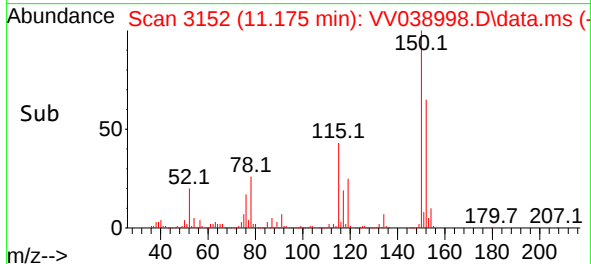
Instrument :
MSVOA_V
ClientSampleId :
MW-2B-082025



Tgt Ion:152 Resp: 411562
Ion Ratio Lower Upper
152 100
115 63.7 42.5 127.5
150 155.1 0.0 344.8

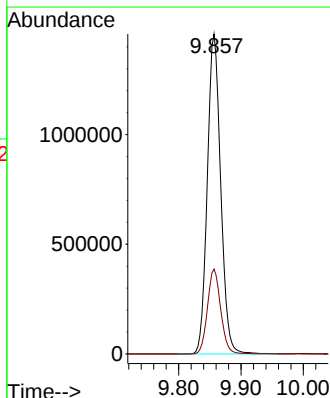
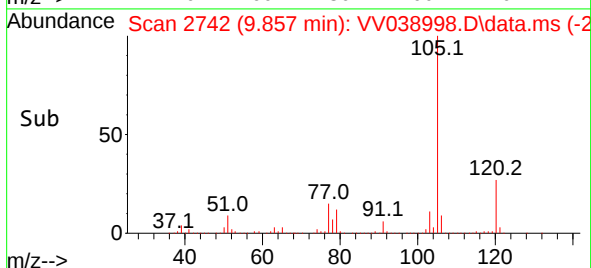
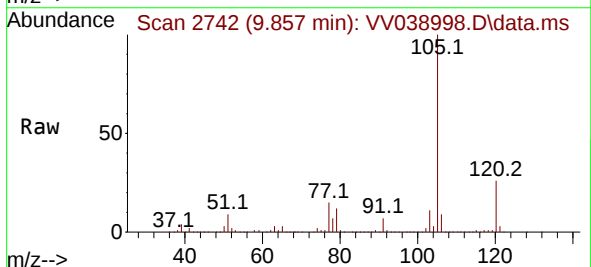
Manual Integrations
APPROVED

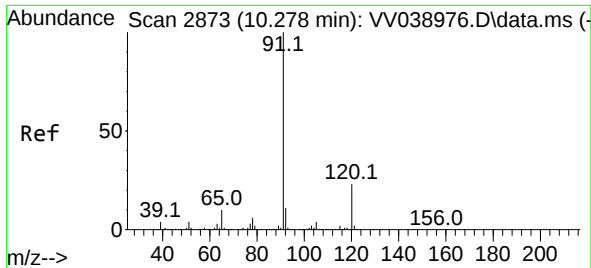
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#73
Isopropylbenzene
Concen: 78.656 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Tgt Ion:105 Resp: 2172226
Ion Ratio Lower Upper
105 100
120 26.3 13.1 39.1





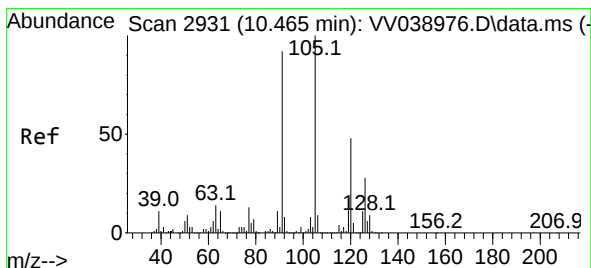
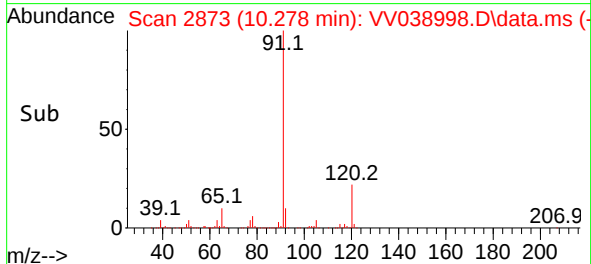
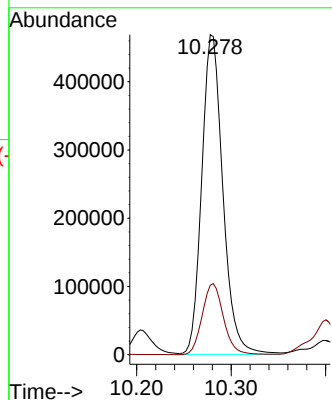
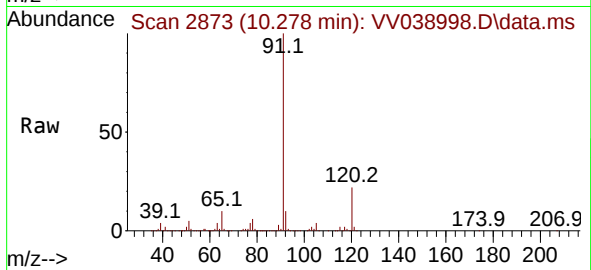
#78
n-propylbenzene
Concen: 22.074 ug/l
RT: 10.278 min Scan# 2873
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

Instrument : MSVOA_V
ClientSampleId : MW-2B-082025

Tgt Ion: 91 Resp: 72785
Ion Ratio Lower Upper
91 100
120 22.3 11.5 34.4

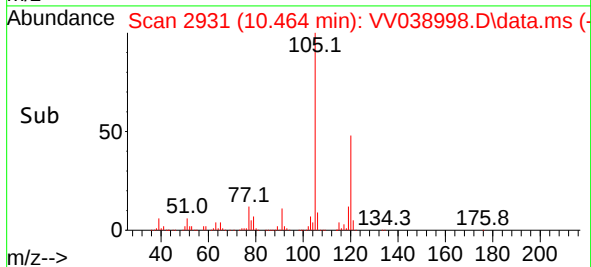
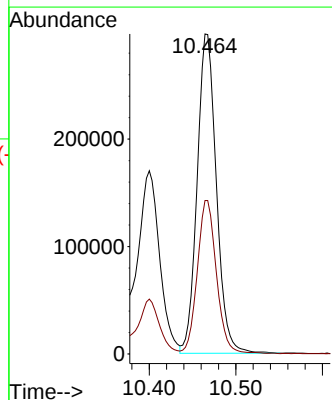
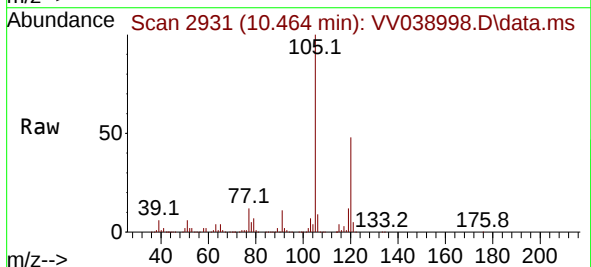
Manual Integrations
APPROVED

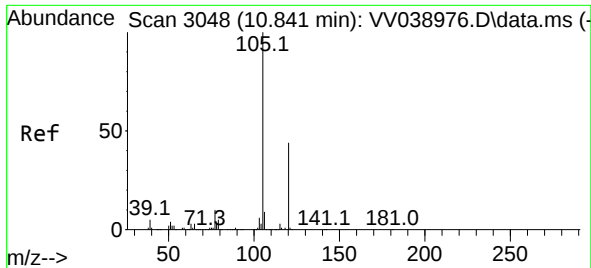
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.712 ug/l
RT: 10.464 min Scan# 2931
Delta R.T. -0.000 min
Lab File: VV038998.D
Acq: 21 Aug 2025 21:49

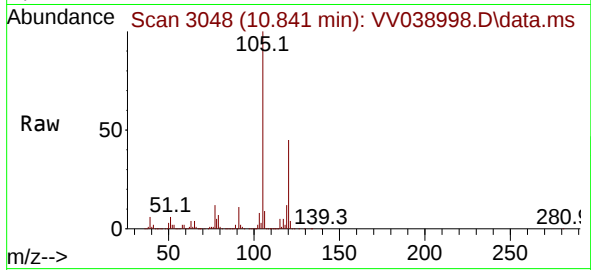
Tgt Ion:105 Resp: 458126
Ion Ratio Lower Upper
105 100
120 47.5 23.9 71.7





#84
 1,2,4-Trimethylbenzene
 Concen: 57.438 ug/l
 RT: 10.841 min Scan# 3048
 Delta R.T. -0.000 min
 Lab File: VV038998.D
 Acq: 21 Aug 2025 21:49

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-2B-082025



Tgt Ion:105 Resp: 1277488
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.8 68.3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/22/2025
 Supervised By :Mahesh Dadoda 08/25/2025

