

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087401.D
 Acq On : 23 Jul 2025 10:50
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Jul 24 04:48:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 04:45:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	27828	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.088	114	129832	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	125317	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	69606	30.225	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.767%			
60) 4-Bromofluorobenzene	12.829	95	61577	29.469	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.233%			
63) Toluene-d8	10.547	98	175156	30.358	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	91607	56.163	ug/l	90
3) Chloromethane	2.383	50	85856	52.143	ug/l	93
4) Vinyl Chloride	2.536	62	98171	53.317	ug/l	96
5) Bromomethane	2.983	94	53606	51.038	ug/l	85
6) Chloroethane	3.142	64	74768	52.818	ug/l #	80
7) Trichlorofluoromethane	3.512	101	169726	54.011	ug/l	94
8) Diethyl Ether	3.965	74	63095	51.545	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	87382	53.716	ug/l #	49
10) 1,1-Dichloroethene	4.342	96	90389	53.611	ug/l #	86
11) Methyl Iodide	4.577	142	66314	55.530	ug/l	84
12) Methyl Acetate	5.018	43	112981	51.651	ug/l	99
13) Acrolein	4.177	56	100654	266.503	ug/l	98
14) Acrylonitrile	5.706	53	268638	270.127	ug/l	97
15) Acetone	4.418	58	92968	267.843	ug/l	88
16) Carbon Disulfide	4.700	76	231659	53.447	ug/l	100
17) Allyl chloride	5.012	41	124126	53.424	ug/l	96
18) Methylene Chloride	5.265	84	89845	52.480	ug/l	95
19) trans-1,2-Dichloroethene	5.777	96	87935	53.707	ug/l	87
20) Diisopropyl ether	6.659	45	314163	54.033	ug/l	97
21) 1,1-Dichloroethane	6.559	63	165791	52.036	ug/l	93
22) cis-1,2-Dichloroethene	7.471	96	105874	54.291	ug/l	98
23) tert-Butyl Alcohol	5.524	59	86149	254.366	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	293662	54.657	ug/l	99
25) Chloroform	7.953	83	181745	52.771	ug/l	99
26) Cyclohexane	8.241	56	127464	53.896	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	119038	54.228	ug/l	100
30) 2-Butanone	7.471	43	392692	265.904	ug/l	99
31) 2,2-Dichloropropane	7.471	77	154589	53.623	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	152900	53.598	ug/l	98
33) Carbon Tetrachloride	8.347	117	135790	54.202	ug/l	92
34) Benzene	8.588	78	373611	53.404	ug/l	99
35) Methacrylonitrile	7.765	41	83840	54.946	ug/l	94
36) 1,2-Dichloroethane	8.653	62	147065	52.588	ug/l	99
37) Trichloroethene	9.335	130	87373	53.383	ug/l	94
38) Methylcyclohexane	9.583	83	125981	55.475	ug/l	97
39) 1,2-Dichloropropane	9.600	63	93850	53.391	ug/l	99
40) Dibromomethane	9.688	93	70818	51.041	ug/l	97
41) Bromodichloromethane	9.871	83	145490	52.958	ug/l	88
42) Vinyl Acetate	6.594	43	1358425	268.612	ug/l	99

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Manual Integrations
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	165031	53.481	ug/l #	85
44) Isopropyl Acetate	8.677	43	254828	54.311	ug/l	98
45) 1,4-Dioxane	9.683	88	30131	1049.680	ug/l #	60
46) Methyl methacrylate	9.665	41	120368	55.864	ug/l	98
47) n-amyl Acetate	12.494	43	121448	50.138	ug/l #	59
48) t-1,3-Dichloropropene	10.818	75	155256	53.677	ug/l	94
49) cis-1,3-Dichloropropene	10.294	75	155524	53.187	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	93649	52.654	ug/l	94
51) Ethyl methacrylate	10.859	69	146084	54.273	ug/l	97
52) 1,3-Dichloropropane	11.141	76	160698	53.282	ug/l	99
53) Dibromochloromethane	11.341	129	109863	52.579	ug/l	99
54) 1,2-Dibromoethane	11.447	107	96076	51.604	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	423775	293.784	ug/l	98
56) Bromoform	12.559	173	76356	51.756	ug/l	96
58) 4-Methyl-2-Pentanone	10.430	43	835220	278.146	ug/l	99
59) 2-Hexanone	11.177	43	581899	284.894	ug/l	98
61) Tetrachloroethene	11.082	164	73817	52.511	ug/l	92
62) Toluene	10.612	91	401394	53.123	ug/l	99
64) Chlorobenzene	11.871	112	253811	53.109	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	93374	53.130	ug/l	98
66) Ethyl Benzene	11.941	91	451227	55.956	ug/l	98
67) m/p-Xylenes	12.053	106	364412	113.081	ug/l	98
68) o-Xylene	12.376	106	169951	56.267	ug/l	98
69) Styrene	12.394	104	300746	56.610	ug/l	99
70) Isopropylbenzene	12.676	105	430034	55.539	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	144973	52.384	ug/l	96
72) 1,2,3-Trichloropropane	12.971	75	127794m	36.450	ug/l	
73) Bromobenzene	12.959	156	110324	54.613	ug/l	97
74) n-propylbenzene	13.012	91	547317	55.618	ug/l	99
75) 2-Chlorotoluene	13.106	91	324838	55.907	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	380750	56.822	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	52374	54.578	ug/l	79
78) 4-Chlorotoluene	13.200	91	355261	56.983	ug/l	98
79) tert-butylbenzene	13.418	119	323348	57.238	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	388201	56.600	ug/l	99
81) sec-Butylbenzene	13.594	105	478249	58.026	ug/l	100
82) p-Isopropyltoluene	13.706	119	406637	57.620	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	227209	55.775	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	224690	55.809	ug/l	99
85) n-Butylbenzene	14.035	91	377394	58.545	ug/l	98
86) Hexachloroethane	14.306	117	77330	55.715	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	213234	55.182	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	34102	54.363	ug/l	92
89) 1,2,4-Trichlorobenzene	15.812	180	116269	52.752	ug/l	96
90) Hexachlorobutadiene	15.476	225	48352	53.046	ug/l	97
91) Naphthalene	15.612	128	406313	55.978	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	116269	52.752	ug/l	96

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

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Client Sample Id :

VSTDIC050

Manual Integrations

APPROVED

Reviewed By : John Carlone 07/24/2025

Supervised By : Mahesh Dadoda 07/24/2025

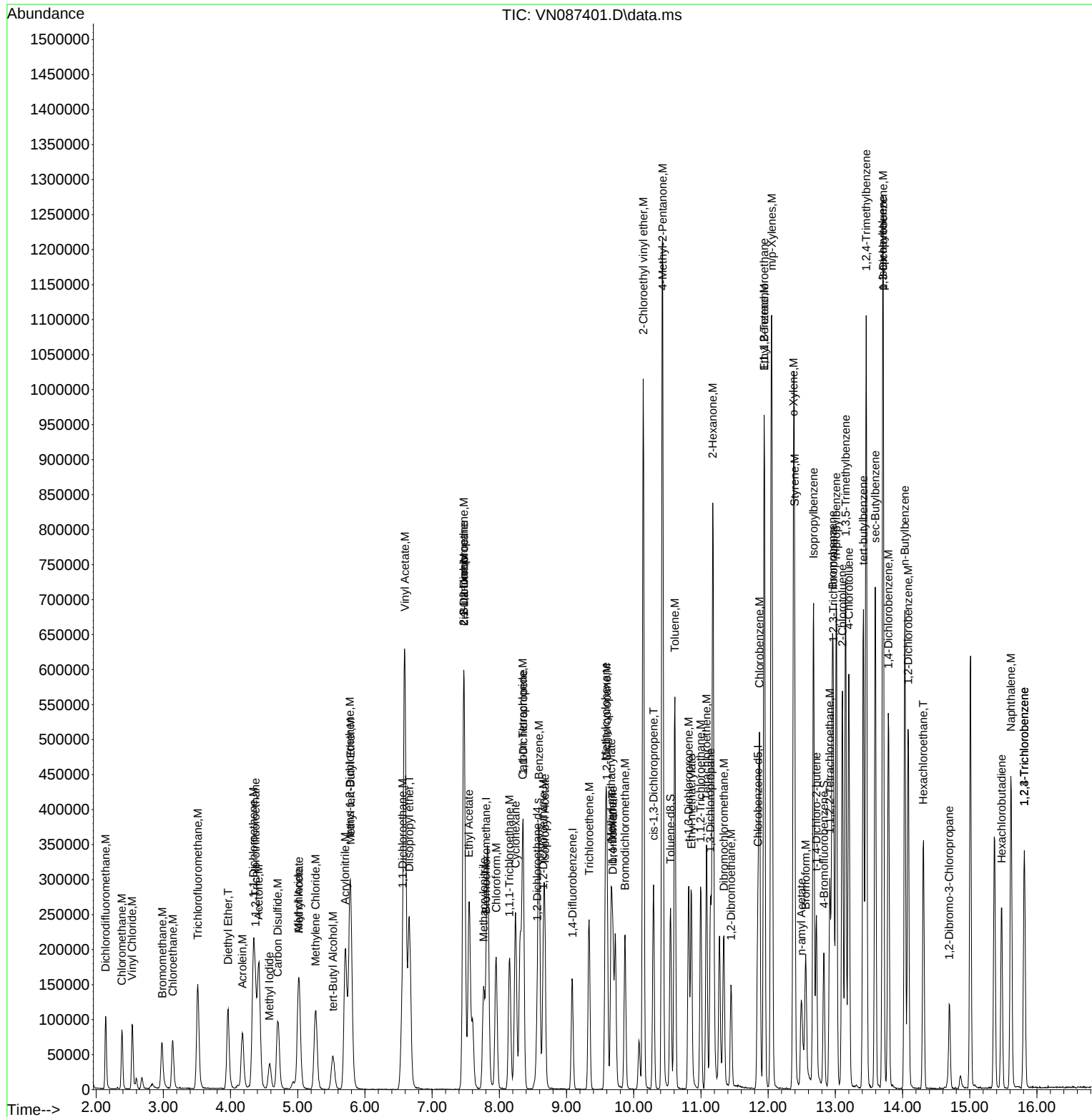
Quant Time: Jul 24 04:48:25 2025

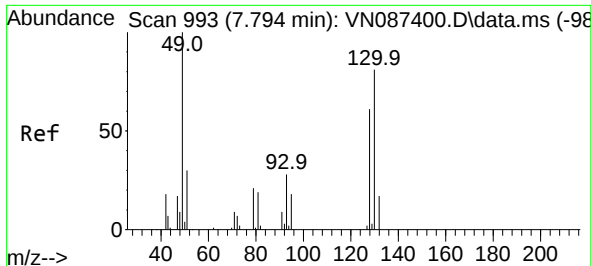
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Thu Jul 24 04:45:45 2025

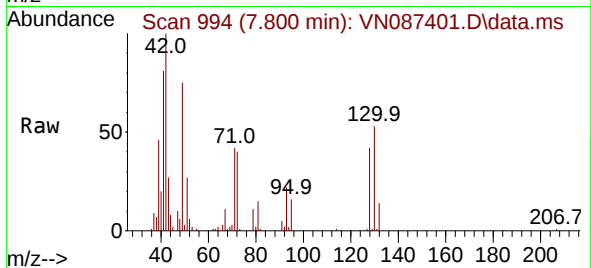
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

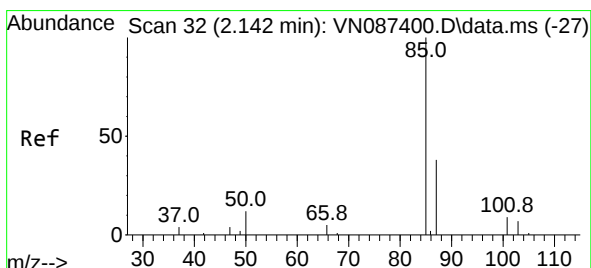
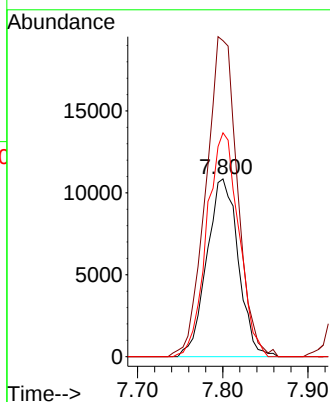
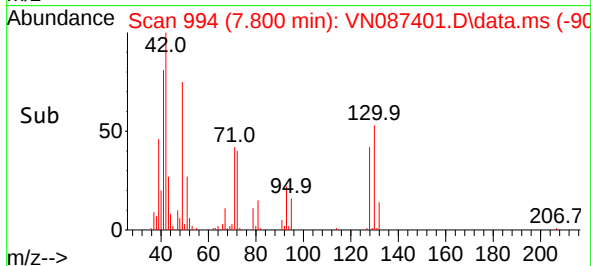
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:128 Resp: 27828
Ion Ratio Lower Upper
128 100
49 180.3 0.0 446.2
130 128.1 0.0 331.0

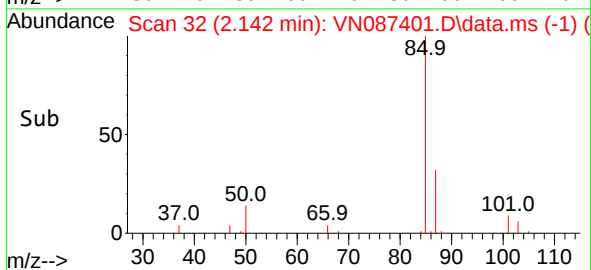
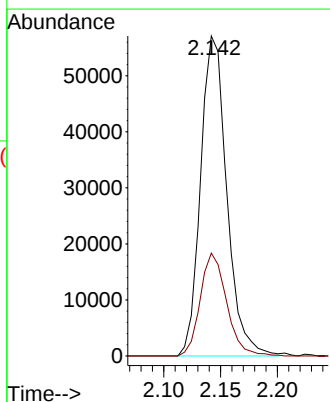
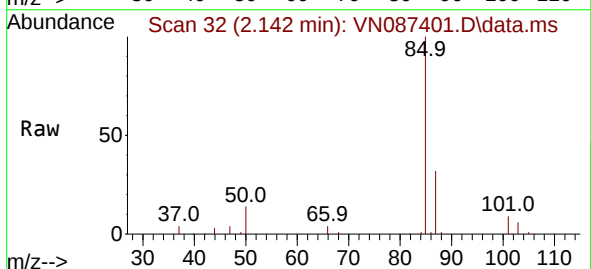
Manual Integrations
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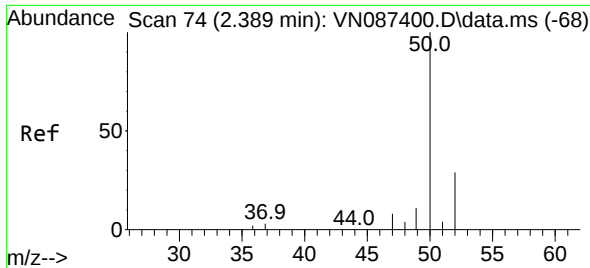
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 56.163 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 85 Resp: 91607
Ion Ratio Lower Upper
85 100
87 32.2 18.9 56.9





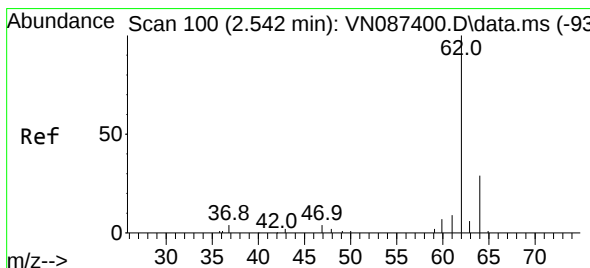
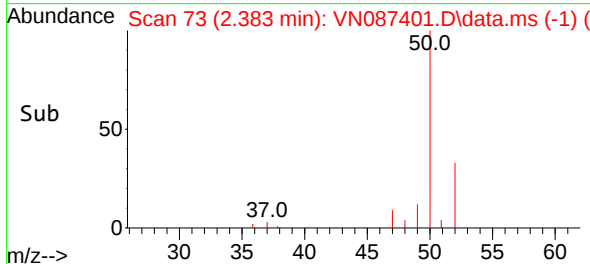
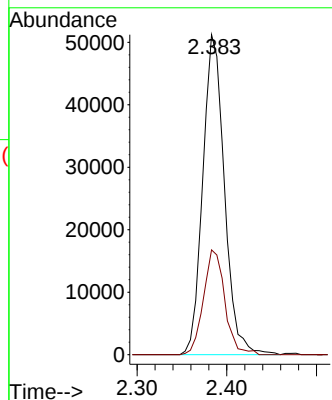
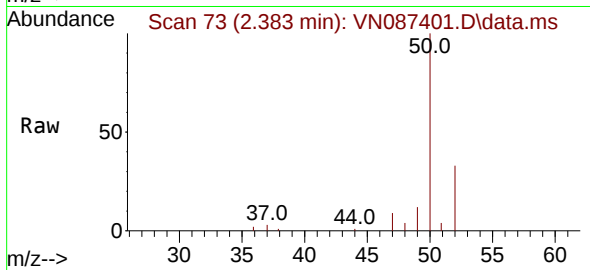
#3
Chloromethane
Concen: 52.143 ug/l
RT: 2.383 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
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Tgt Ion: 50 Resp: 85850
Ion Ratio Lower Upper
50 100
52 32.8 23.2 34.8

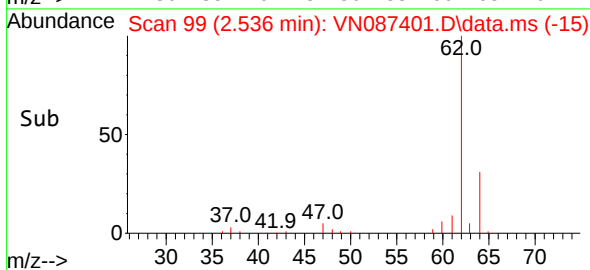
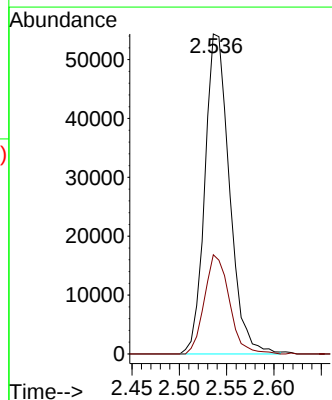
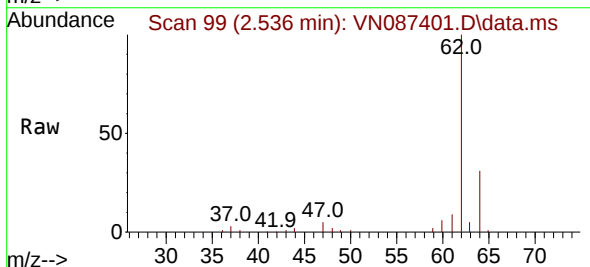
Manual Integrations
APPROVED

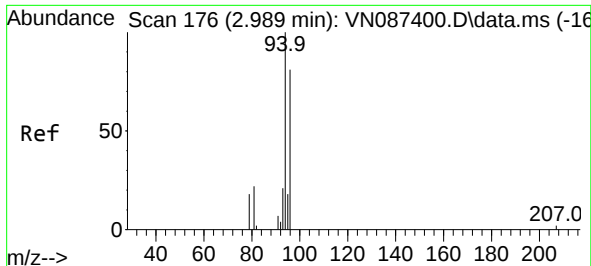
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Vinyl Chloride
Concen: 53.317 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 62 Resp: 98171
Ion Ratio Lower Upper
62 100
64 31.0 23.2 34.8





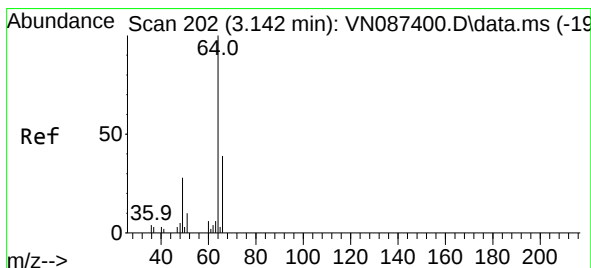
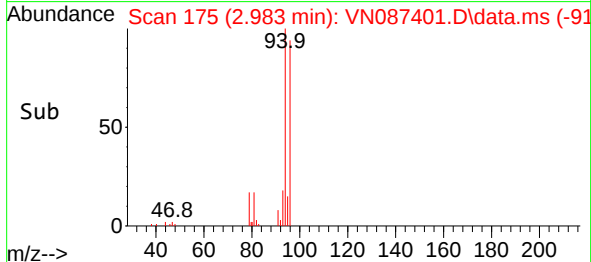
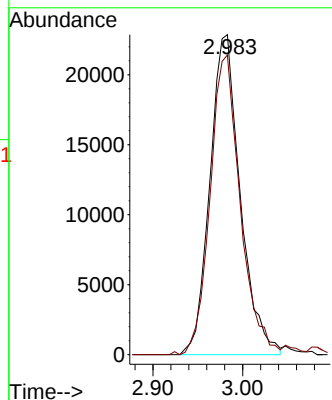
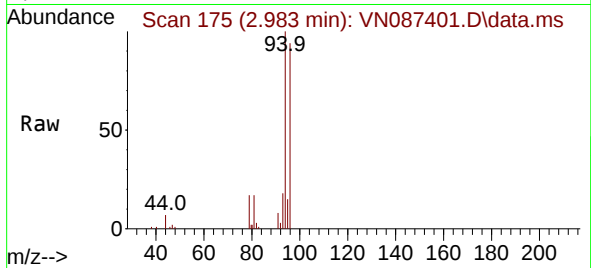
#5
Bromomethane
Concen: 51.038 ug/l
RT: 2.983 min Scan# 176
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
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VSTDIC050

Tgt Ion: 94 Resp: 53600
Ion Ratio Lower Upper
94 100
96 93.7 64.6 96.8

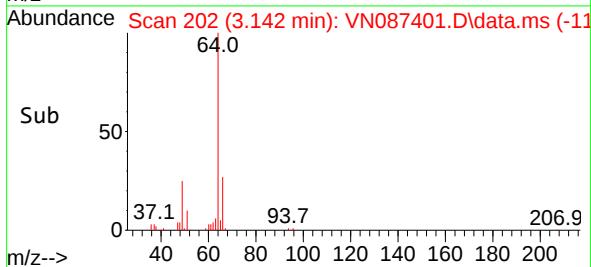
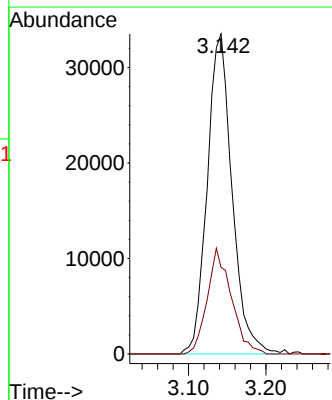
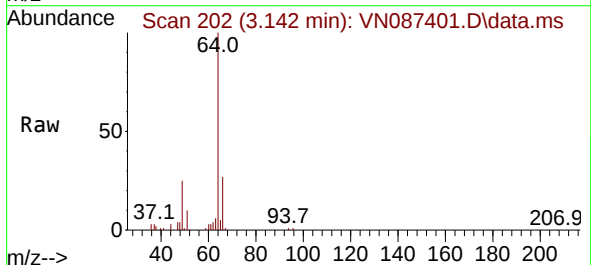
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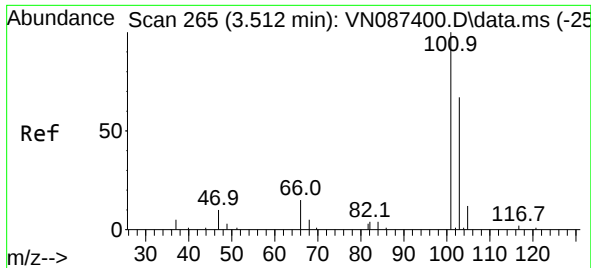
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#6
Chloroethane
Concen: 52.818 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 64 Resp: 74768
Ion Ratio Lower Upper
64 100
66 27.1 31.4 47.2#





#7
 Trichlorofluoromethane
 Concen: 54.011 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

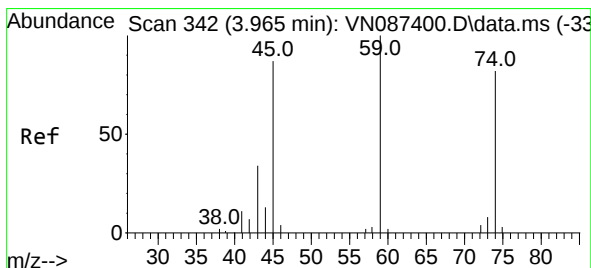
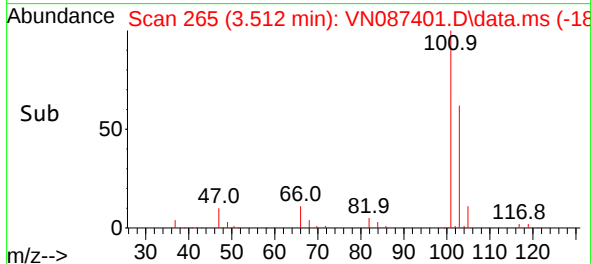
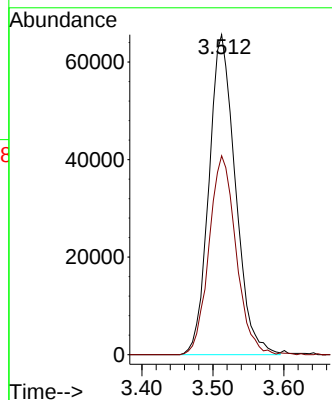
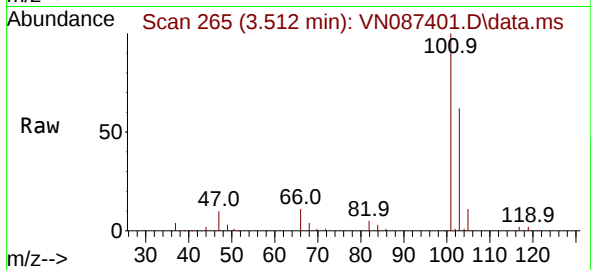
VSTDICC050

Tgt Ion:101 Resp: 169720
 Ion Ratio Lower Upper
 101 100
 103 62.2 53.7 80.5

Manual Integrations

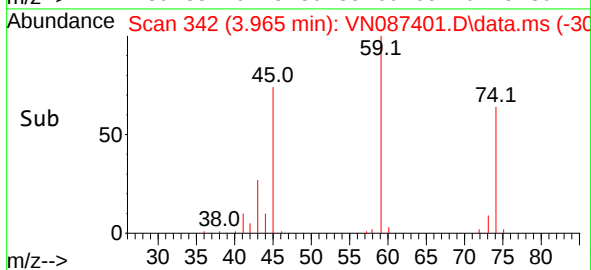
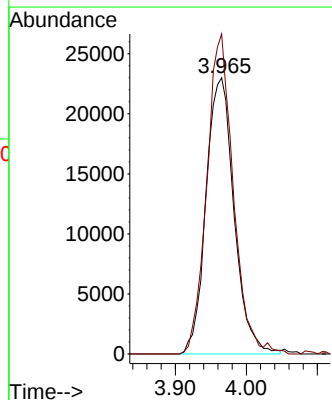
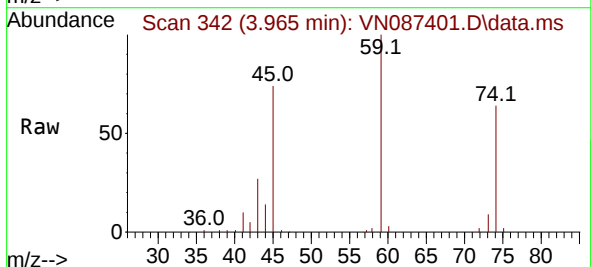
APPROVED

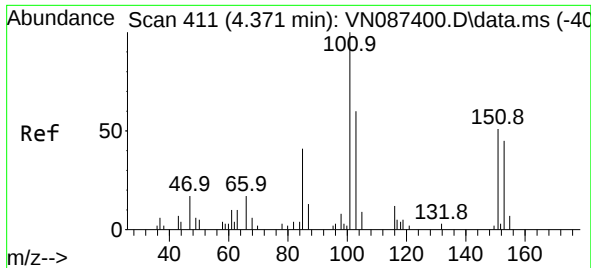
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#8
 Diethyl Ether
 Concen: 51.545 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

Tgt Ion: 74 Resp: 63095
 Ion Ratio Lower Upper
 74 100
 45 108.1 21.4 192.8





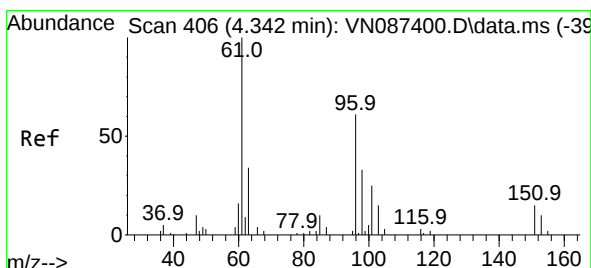
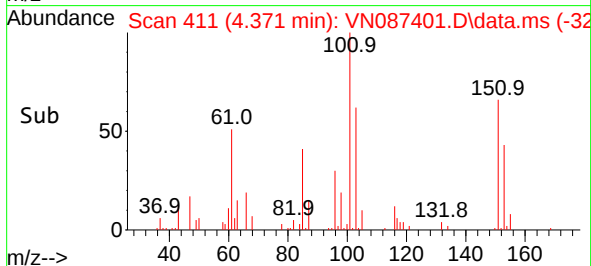
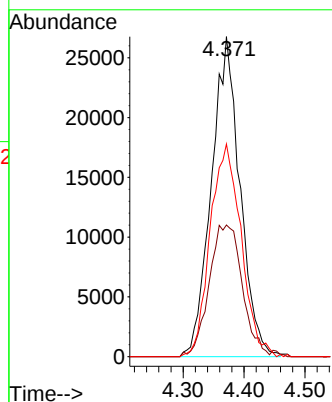
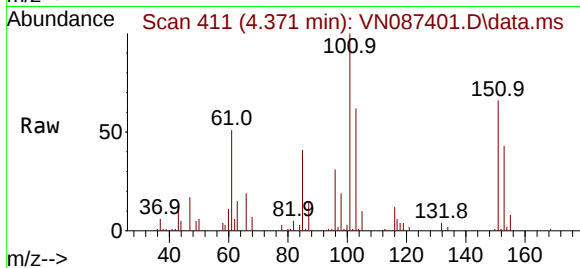
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.716 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

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 ClientSampleId :
 VSTDIC050

Tgt Ion:101 Resp: 8738
 Ion Ratio Lower Upper
 101 100
 85 21.1 0.0 94.8
 151 70.8 0.0 64.8

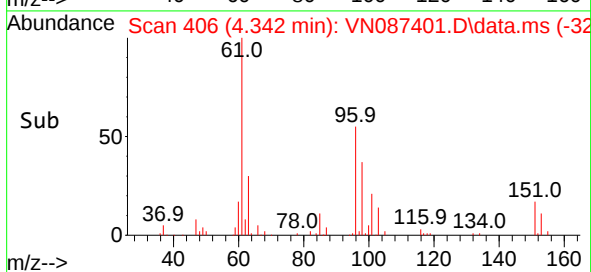
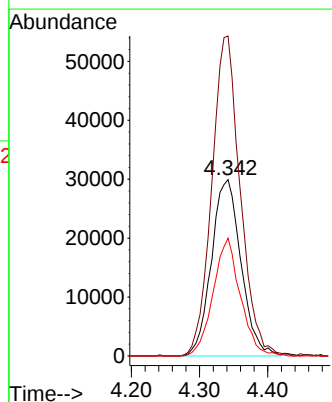
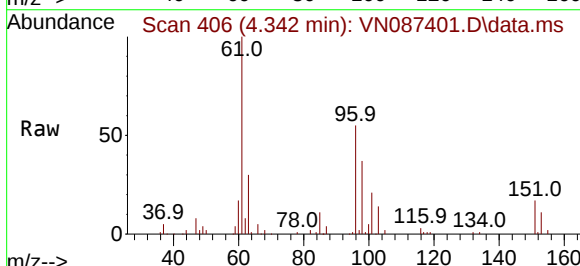
Manual Integrations
 APPROVED

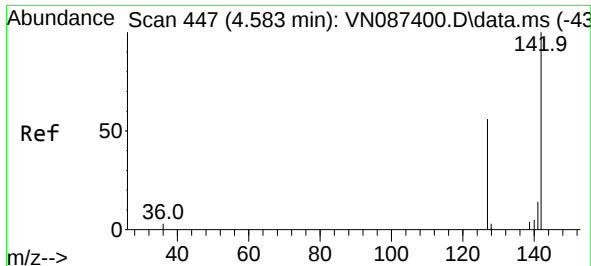
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#10
 1,1-Dichloroethene
 Concen: 53.611 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

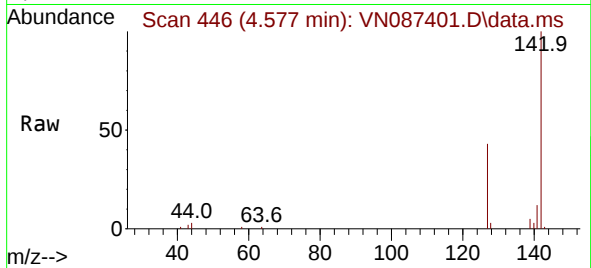
Tgt Ion: 96 Resp: 90389
 Ion Ratio Lower Upper
 96 100
 61 181.5 131.8 197.8
 98 66.8 43.0 64.4





#11
Methyl Iodide
Concen: 55.530 ug/l
RT: 4.577 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

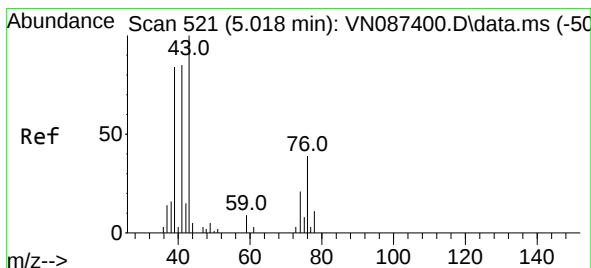
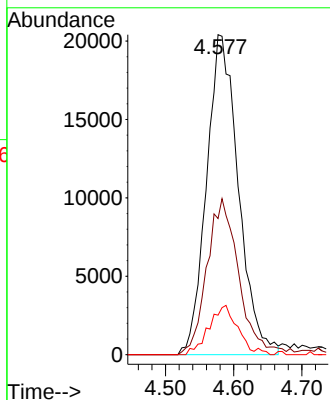
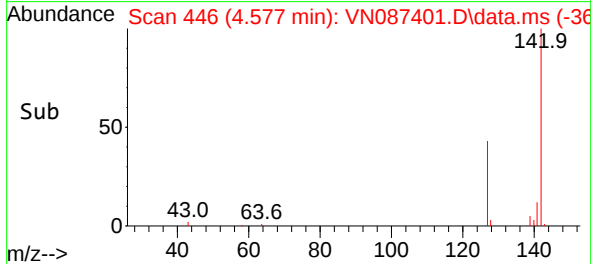
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:142 Resp: 66314
Ion Ratio Lower Upper
142 100
127 42.1 27.7 83.0
141 12.0 7.2 21.6

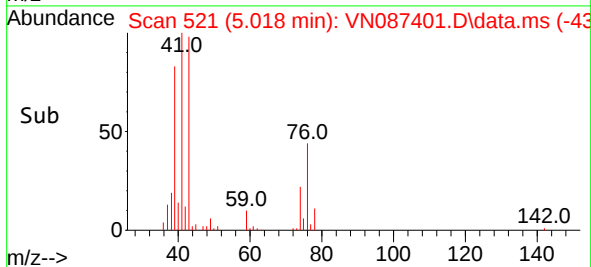
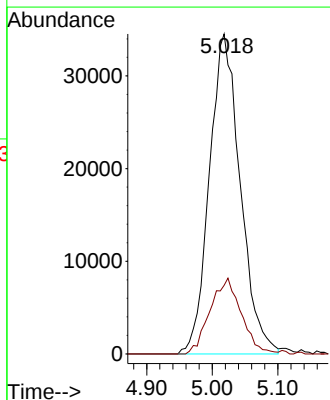
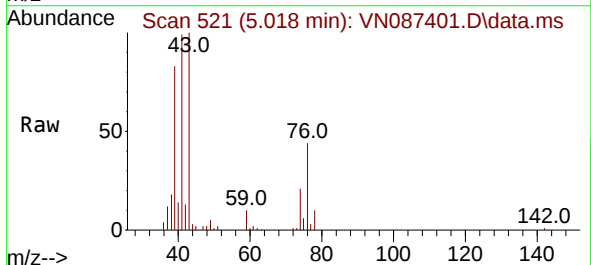
Manual Integrations
APPROVED

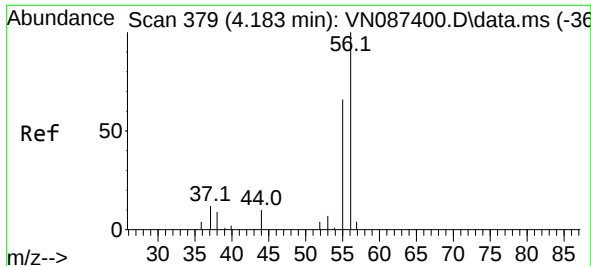
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#12
Methyl Acetate
Concen: 51.651 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

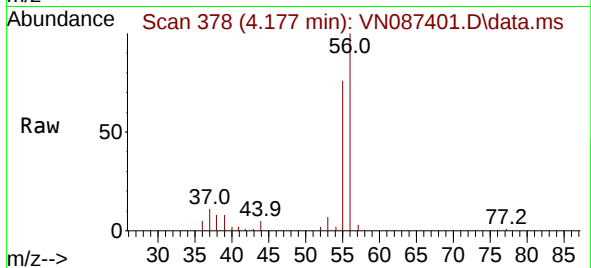
Tgt Ion: 43 Resp: 112981
Ion Ratio Lower Upper
43 100
74 21.3 16.9 25.3





#13
Acrolein
Concen: 266.503 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

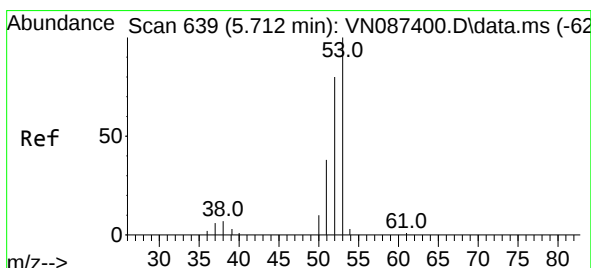
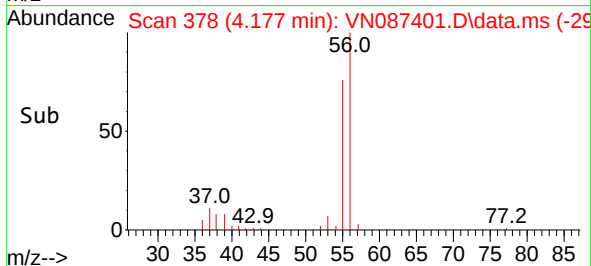
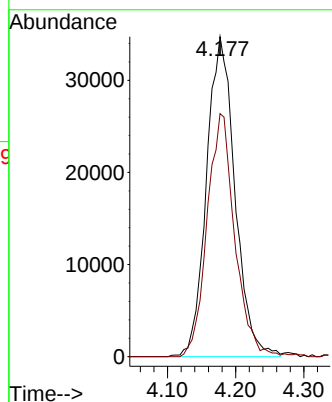


Tgt Ion: 56 Resp: 100654
Ion Ratio Lower Upper
56 100
55 72.8 56.8 85.2

Manual Integrations
APPROVED

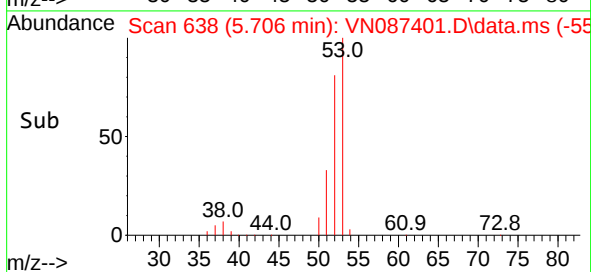
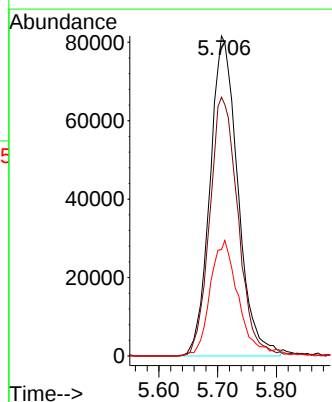
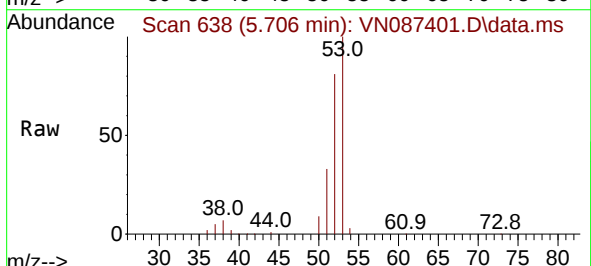
Reviewed By :John
Carlone
07/24/2025

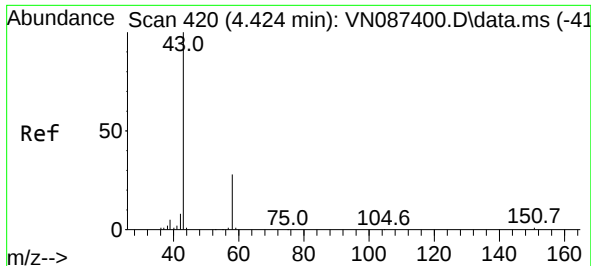
Supervised By :Mahesh
Dadoda
07/24/2025



#14
Acrylonitrile
Concen: 270.127 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

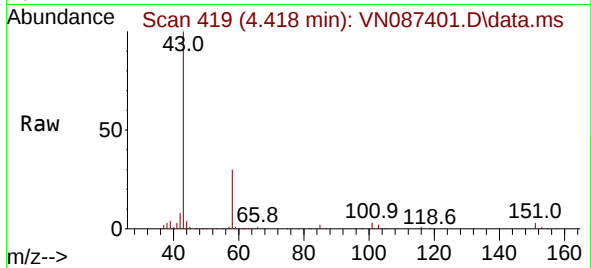
Tgt Ion: 53 Resp: 268638
Ion Ratio Lower Upper
53 100
52 81.8 41.5 124.6
51 35.6 19.4 58.4





#15
Acetone
Concen: 267.843 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

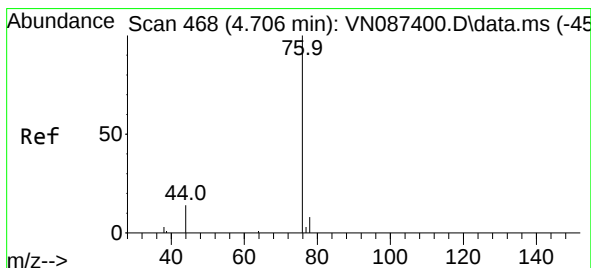
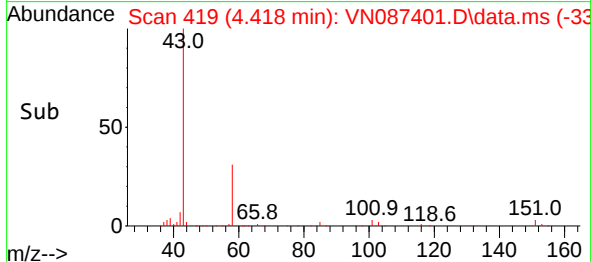
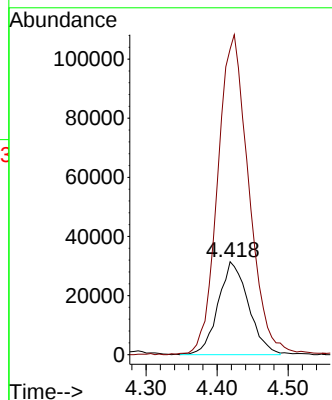


Tgt Ion: 58 Resp: 92968
Ion Ratio Lower Upper
58 100
43 327.5 283.4 425.0

Manual Integrations
APPROVED

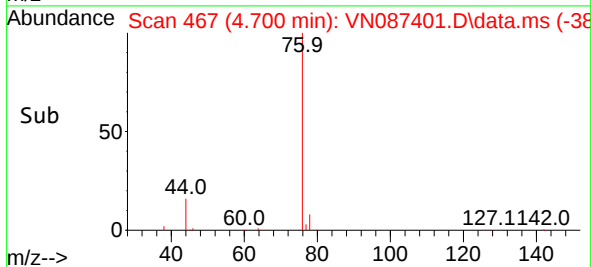
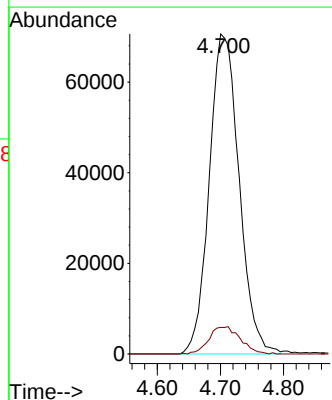
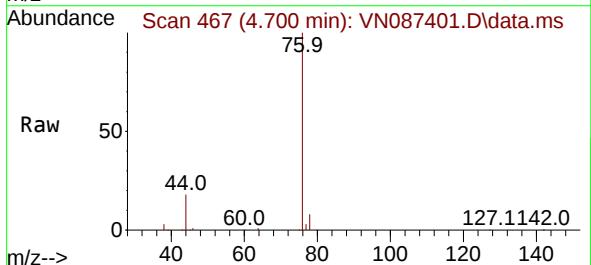
Reviewed By :John
Carlone
07/24/2025

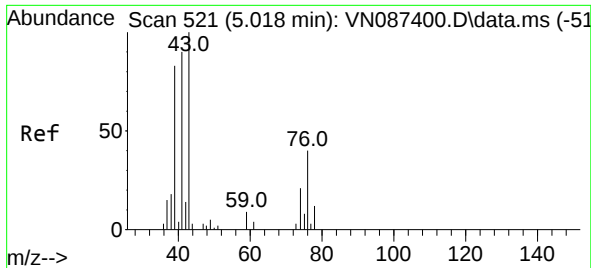
Supervised By :Mahesh
Dadoda
07/24/2025



#16
Carbon Disulfide
Concen: 53.447 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

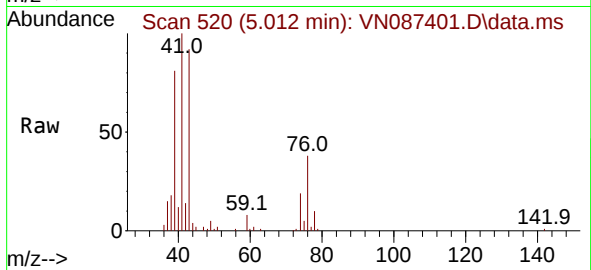
Tgt Ion: 76 Resp: 231659
Ion Ratio Lower Upper
76 100
78 8.3 6.6 10.0





#17
 Allyl chloride
 Concen: 53.424 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

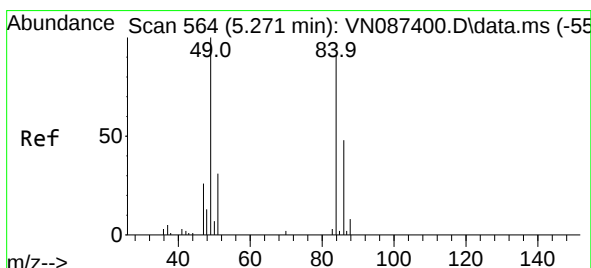
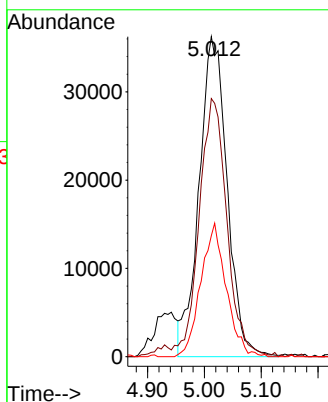
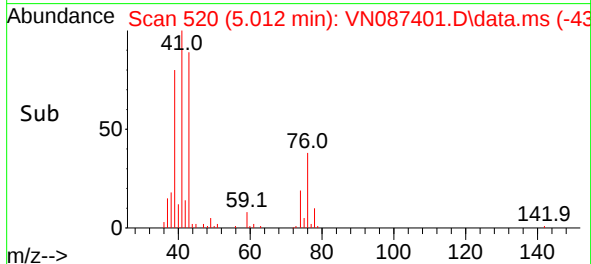


Tgt Ion: 41 Resp: 124120
 Ion Ratio Lower Upper
 41 100
 39 81.0 42.9 128.7
 76 38.0 19.8 59.4

Manual Integrations
 APPROVED

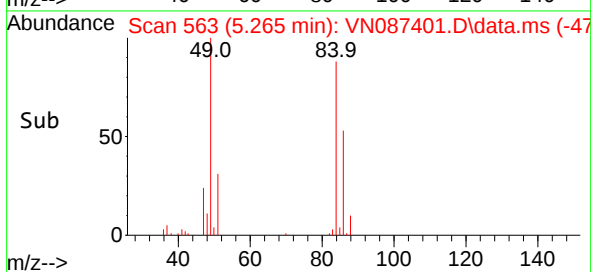
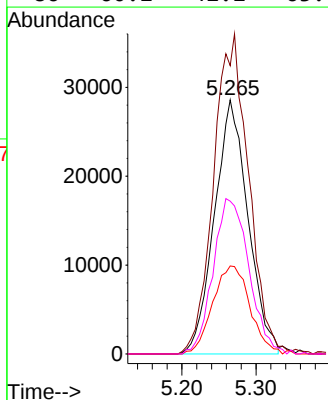
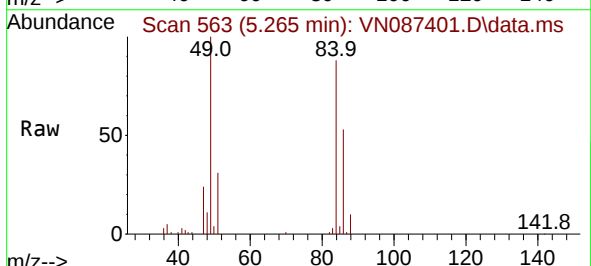
Reviewed By :John
 Carlone
 07/24/2025

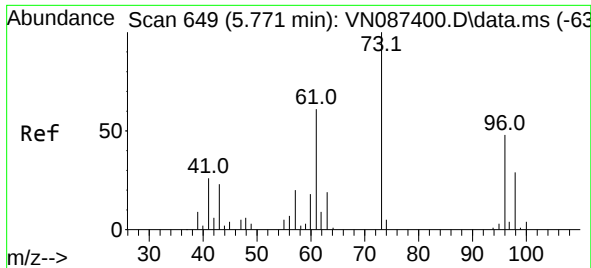
Supervised By :Mahesh
 Dadoda
 07/24/2025



#18
 Methylene Chloride
 Concen: 52.480 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

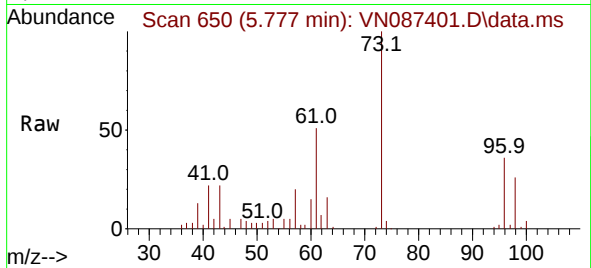
Tgt Ion: 84 Resp: 89845
 Ion Ratio Lower Upper
 84 100
 49 113.5 88.4 132.6
 51 34.7 27.3 40.9
 86 60.2 42.2 63.4





#19
trans-1,2-Dichloroethene
Concen: 53.707 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

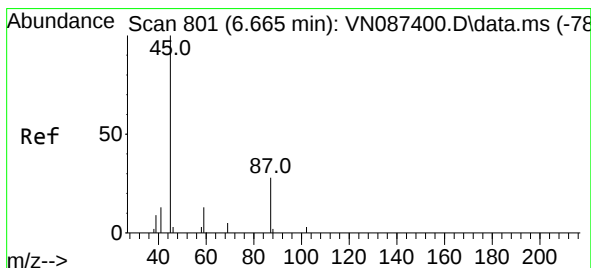
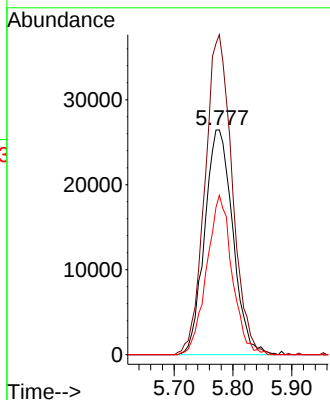
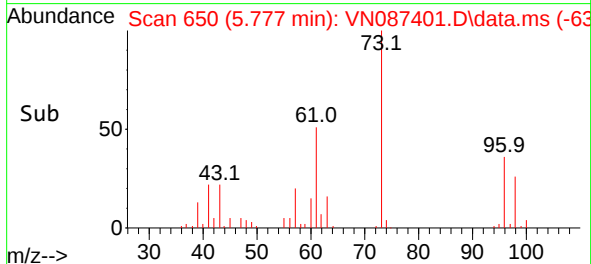


Tgt Ion: 96 Resp: 87935
Ion Ratio Lower Upper
96 100
61 142.3 101.7 152.5
98 70.9 48.2 72.4

Manual Integrations
APPROVED

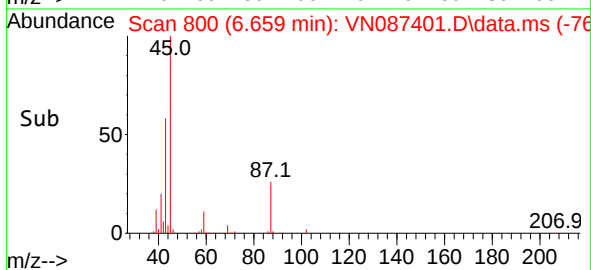
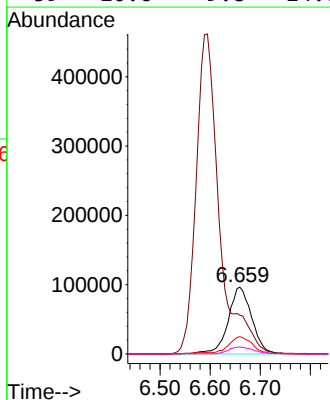
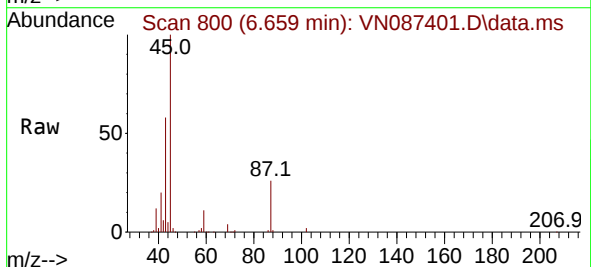
Reviewed By :John
Carlone
07/24/2025

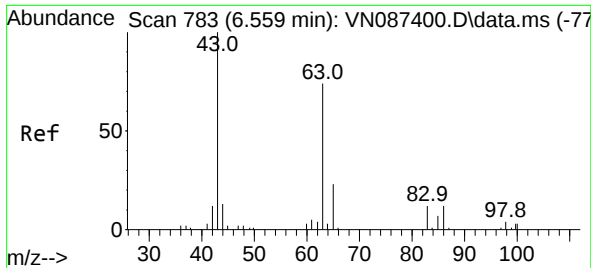
Supervised By :Mahesh
Dadoda
07/24/2025



#20
Diisopropyl ether
Concen: 54.033 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

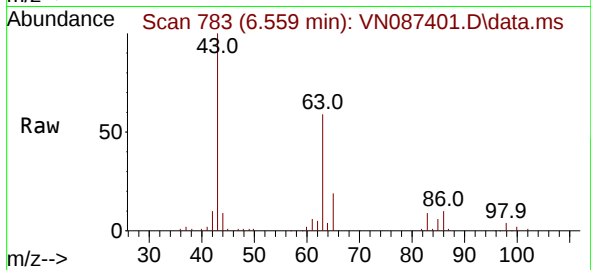
Tgt Ion: 45 Resp: 314163
Ion Ratio Lower Upper
45 100
43 56.7 46.0 69.0
87 25.5 23.4 35.2
59 10.6 9.8 14.6





#21
1,1-Dichloroethane
Concen: 52.036 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

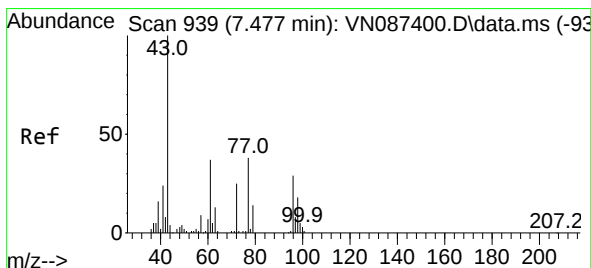
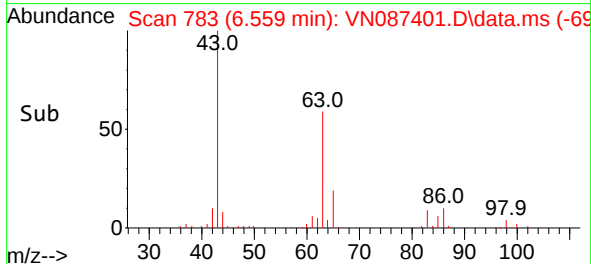
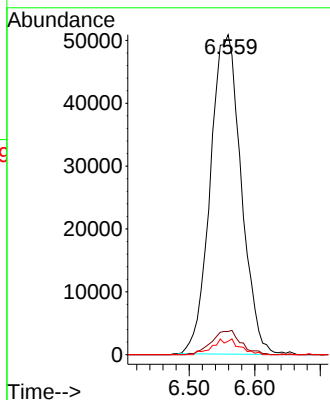


Tgt Ion: 63 Resp: 16579
Ion Ratio Lower Upper
63 100
98 7.3 2.9 8.6
100 4.2 3.6 10.8

Manual Integrations
APPROVED

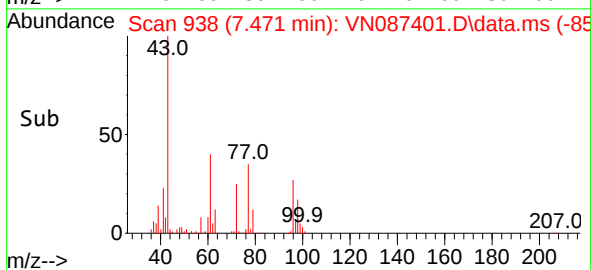
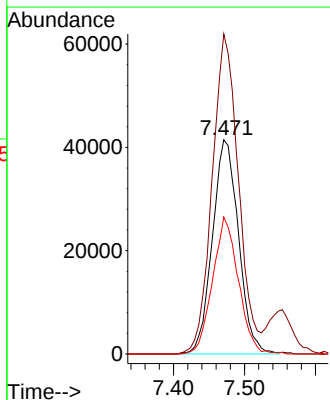
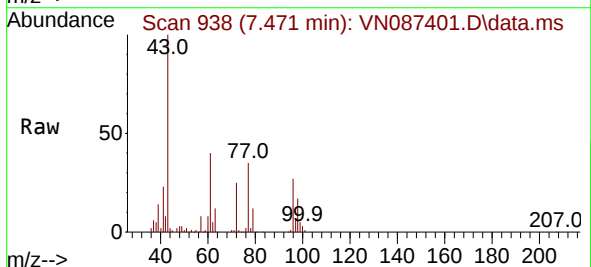
Reviewed By :John
Carlone
07/24/2025

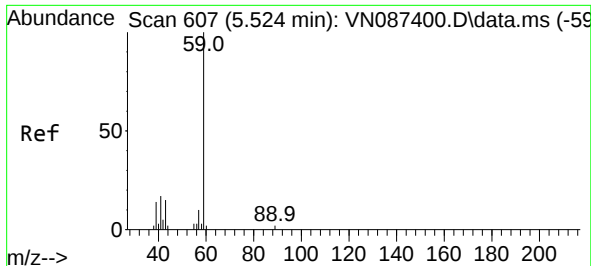
Supervised By :Mahesh
Dadoda
07/24/2025



#22
cis-1,2-Dichloroethene
Concen: 54.291 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

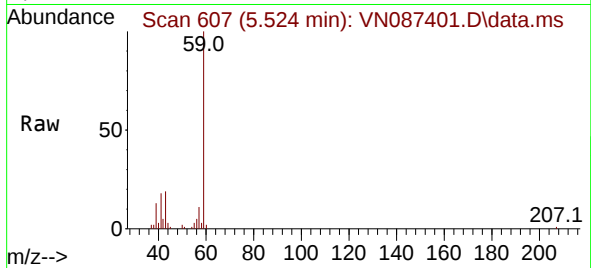
Tgt Ion: 96 Resp: 105874
Ion Ratio Lower Upper
96 100
61 150.5 120.4 180.6
98 62.9 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 254.366 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

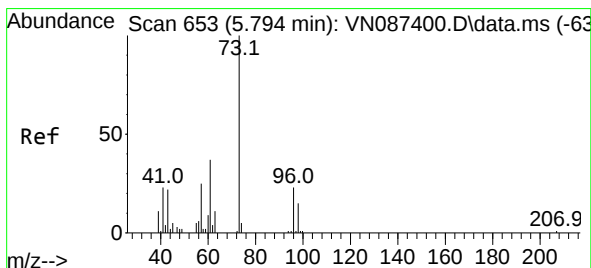
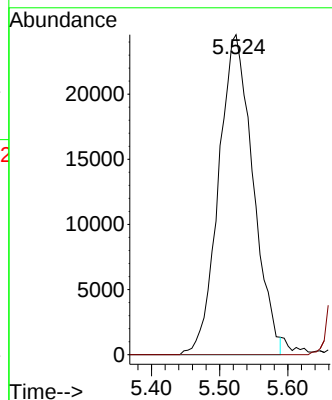


Tgt Ion: 59 Resp: 86149
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

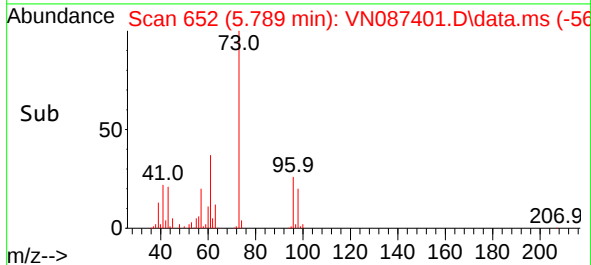
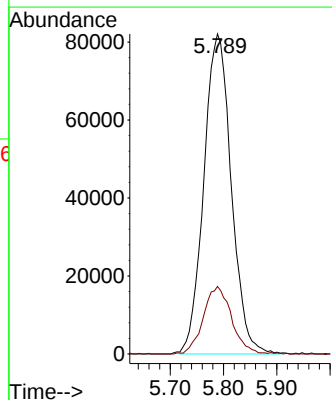
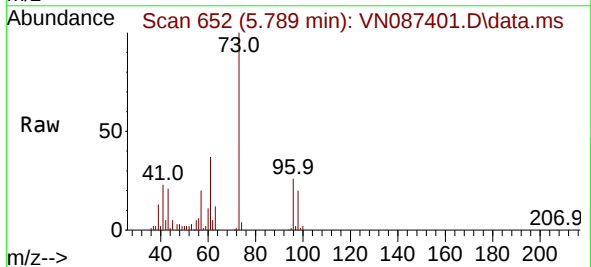
Reviewed By :John
Carlone
07/24/2025

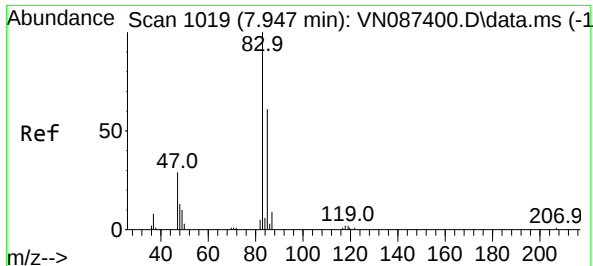
Supervised By :Mahesh
Dadoda
07/24/2025



#24
Methyl tert-Butyl Ether
Concen: 54.657 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 73 Resp: 293662
Ion Ratio Lower Upper
73 100
43 21.5 17.7 26.5





#25

Chloroform

Concen: 52.771 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VN087401.D

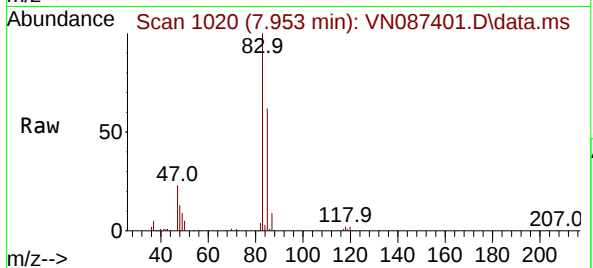
Acq: 23 Jul 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050



Tgt Ion: 83 Resp: 18174

Ion Ratio Lower Upper

83 100

85 61.4 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :John

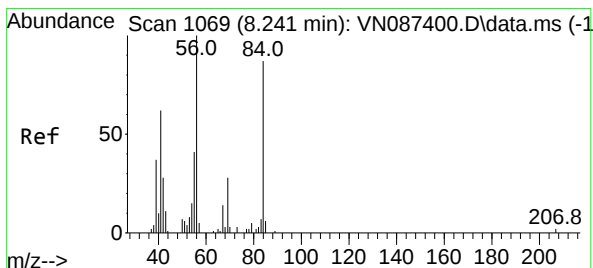
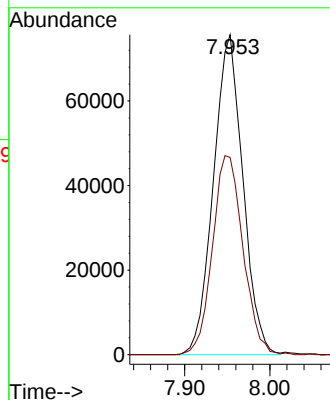
Carlone

07/24/2025

Supervised By :Mahesh

Dadoda

07/24/2025



#26

Cyclohexane

Concen: 53.896 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

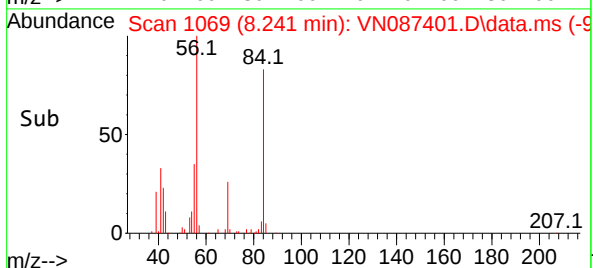
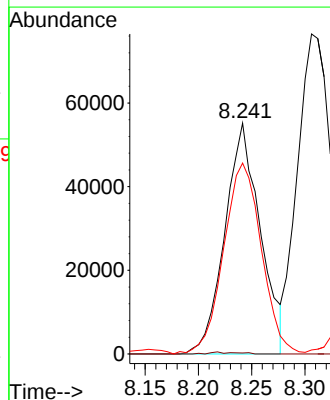
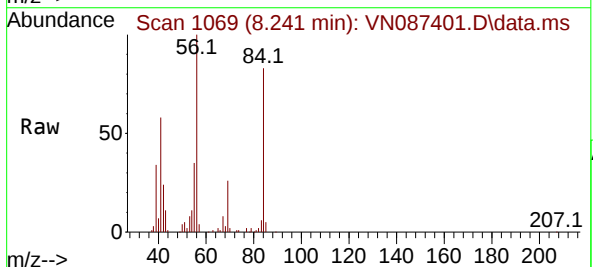
Tgt Ion: 56 Resp: 127464

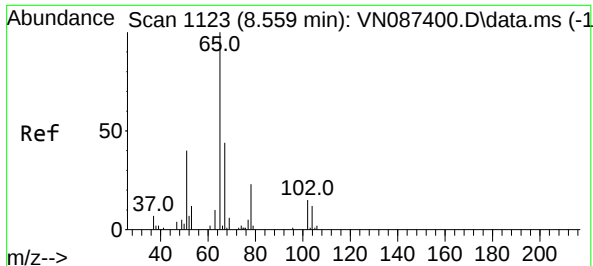
Ion Ratio Lower Upper

56 100

89 0.1 1.5 2.3

84 88.3 71.2 106.8





#27
1,2-Dichloroethane-d4
Concen: 30.225 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

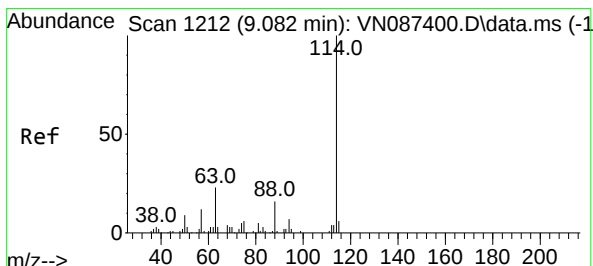
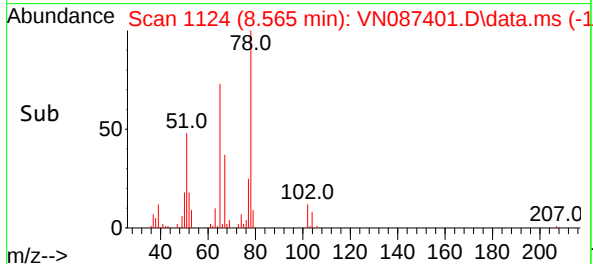
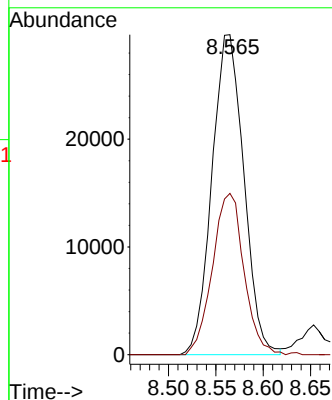
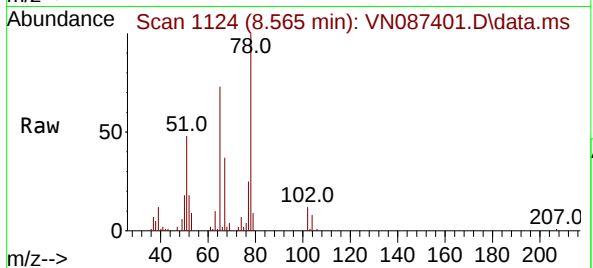
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 65 Resp: 69600
Ion Ratio Lower Upper
65 100
67 49.8 40.2 60.4

Manual Integrations
APPROVED

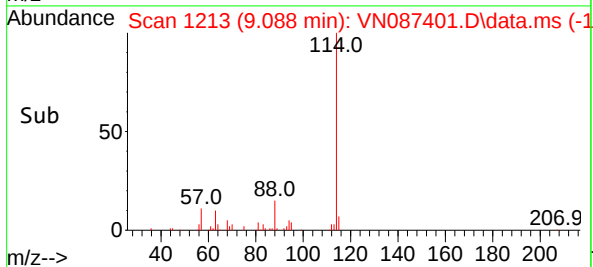
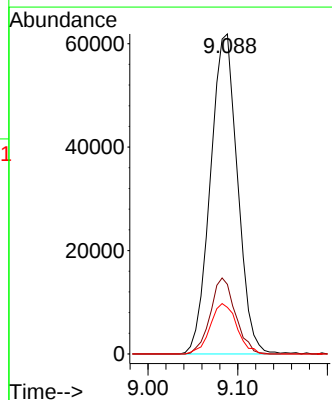
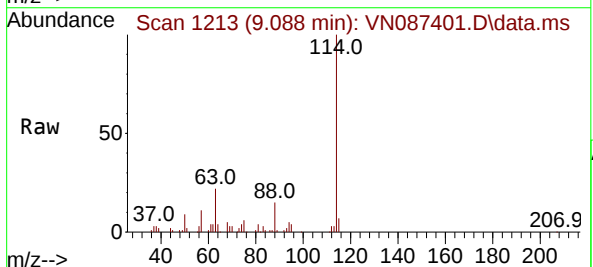
Reviewed By :John
Carlone
07/24/2025

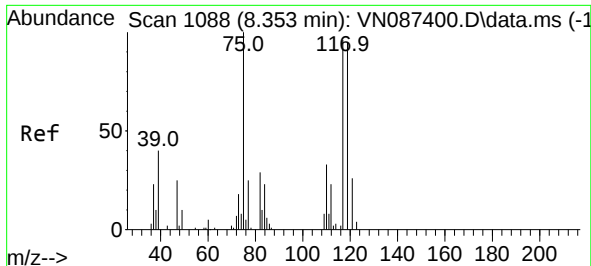
Supervised By :Mahesh
Dadoda
07/24/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

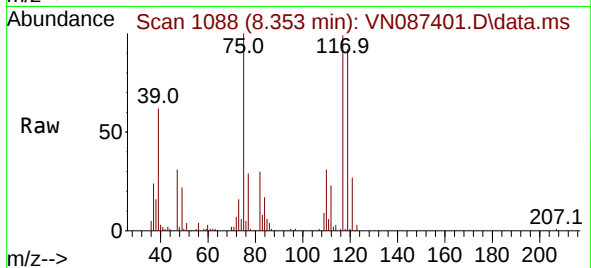
Tgt Ion:114 Resp: 129832
Ion Ratio Lower Upper
114 100
63 21.9 16.8 25.2
88 15.4 12.5 18.7





#29
1,1-Dichloropropene
Concen: 54.228 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

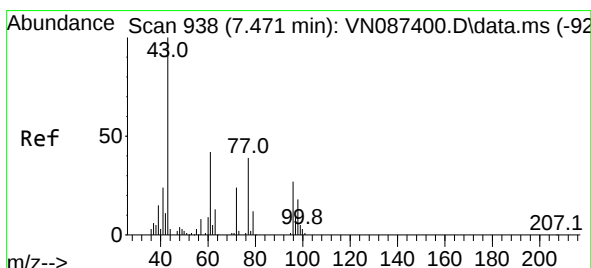
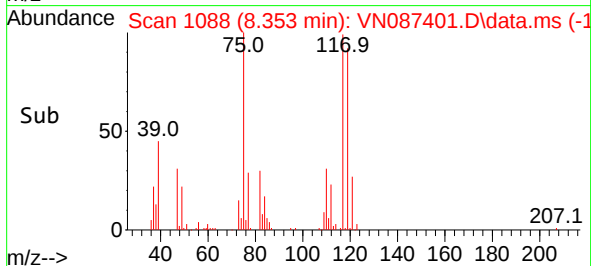
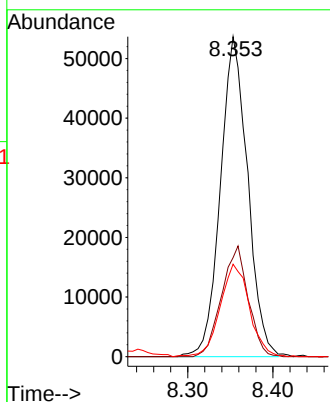


Tgt Ion: 75 Resp: 119038
Ion Ratio Lower Upper
75 100
110 33.6 0.0 66.4
77 30.8 0.0 61.6

Manual Integrations
APPROVED

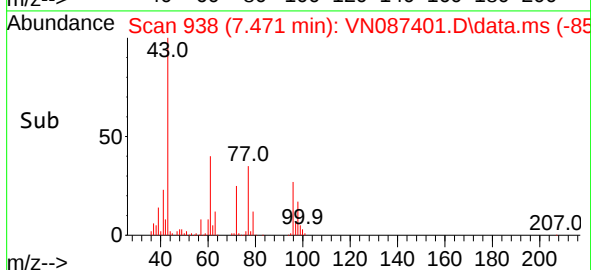
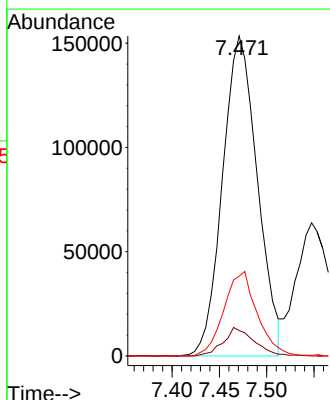
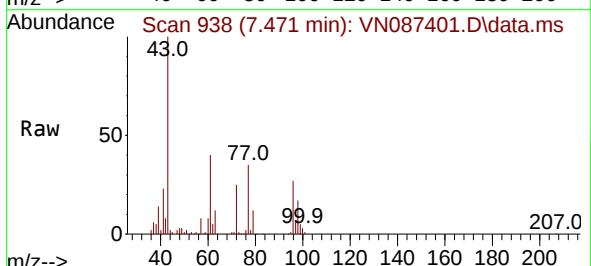
Reviewed By :John
Carlone
07/24/2025

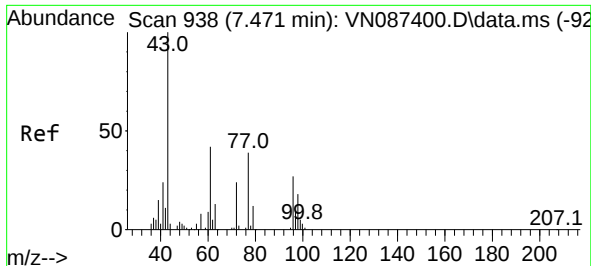
Supervised By :Mahesh
Dadoda
07/24/2025



#30
2-Butanone
Concen: 265.904 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 43 Resp: 392692
Ion Ratio Lower Upper
43 100
57 7.8 6.6 9.8
72 25.3 20.6 30.8





#31

2,2-Dichloropropane

Concen: 53.623 ug/l

RT: 7.471 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 77 Resp: 15458

Ion Ratio Lower Upper

77 100

97 21.4 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :John

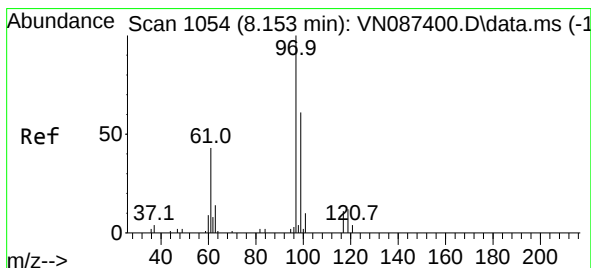
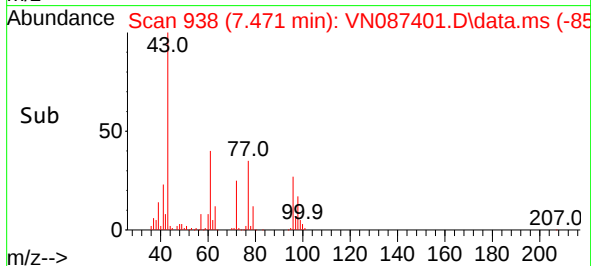
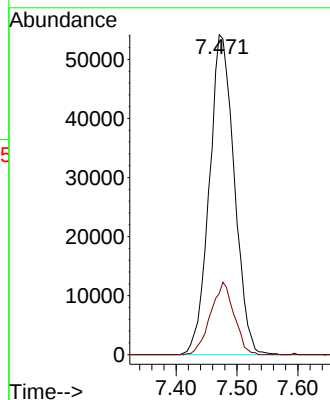
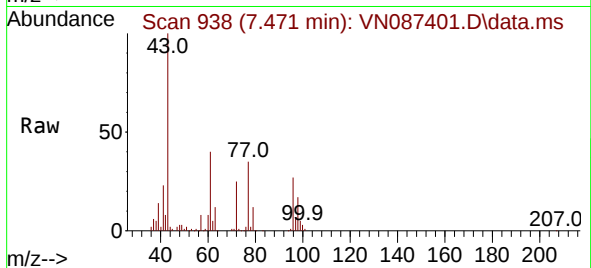
Carlone

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Supervised By :Mahesh

Dadoda

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#32

1,1,1-Trichloroethane

Concen: 53.598 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

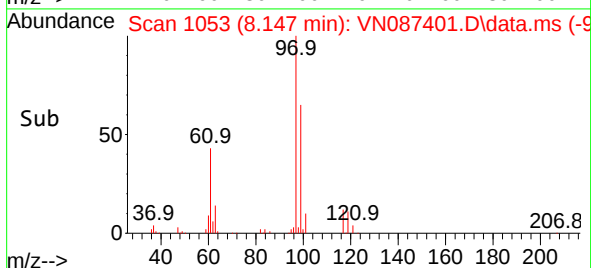
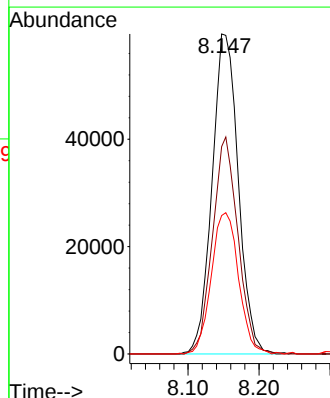
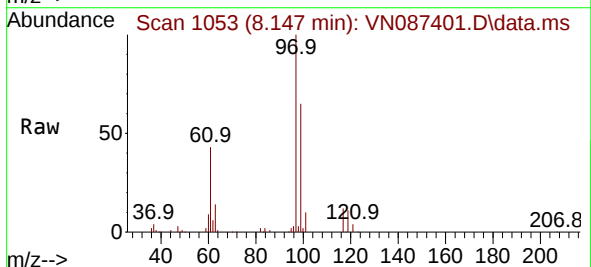
Tgt Ion: 97 Resp: 152900

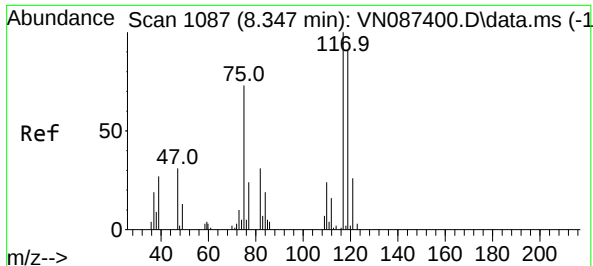
Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.6

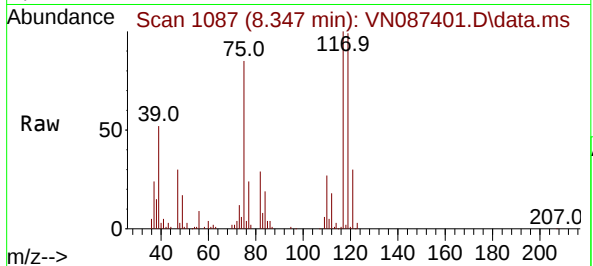
61 45.8 36.1 54.1





#33
Carbon Tetrachloride
Concen: 54.202 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

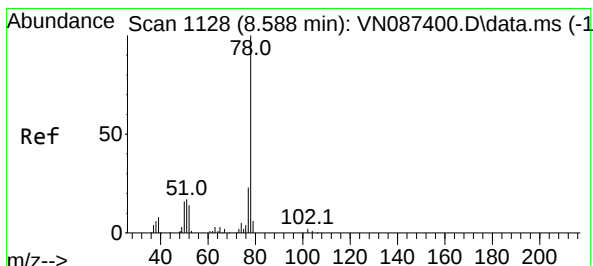
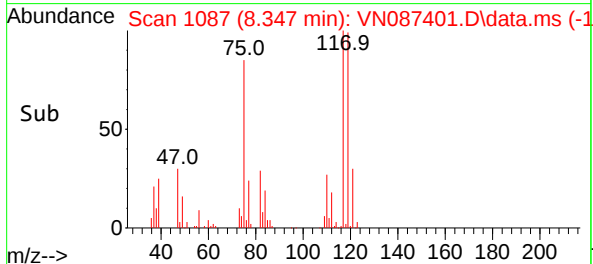
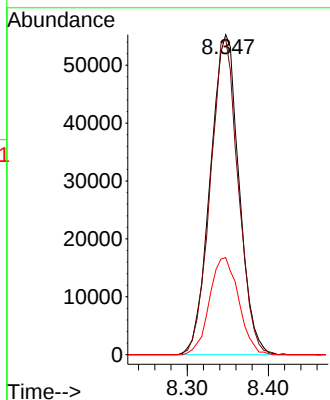


Tgt Ion: 117 Resp: 135790
Ion Ratio Lower Upper
117 100
119 98.6 72.7 109.1
121 30.4 21.1 31.7

Manual Integrations
APPROVED

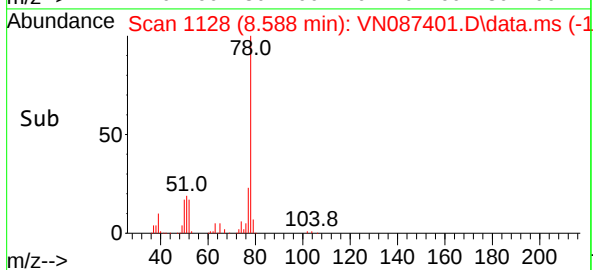
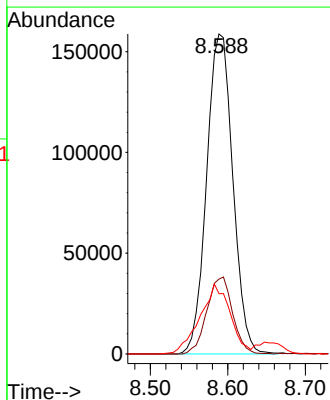
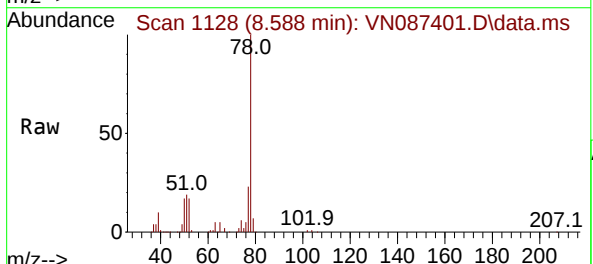
Reviewed By :John
Carlone
07/24/2025

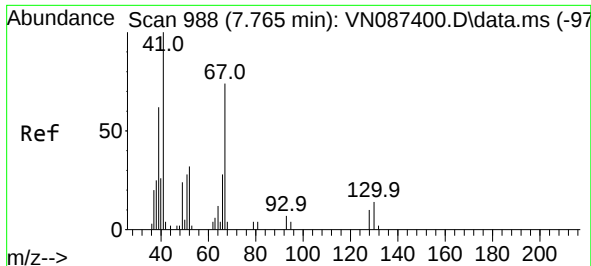
Supervised By :Mahesh
Dadoda
07/24/2025



#34
Benzene
Concen: 53.404 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

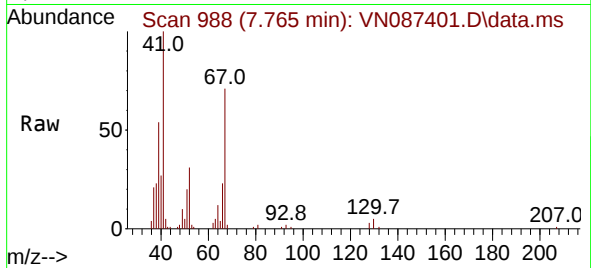
Tgt Ion: 78 Resp: 373611
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2
51 17.4 13.8 20.8





#35
Methacrylonitrile
Concen: 54.946 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

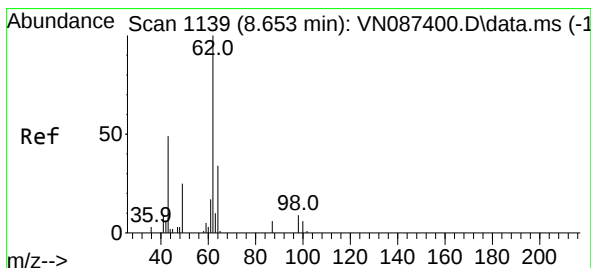
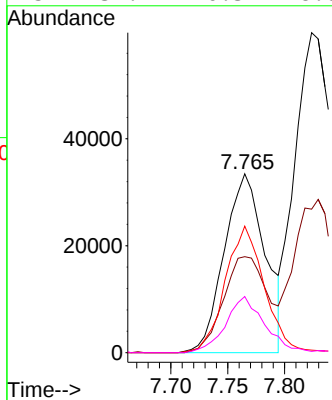
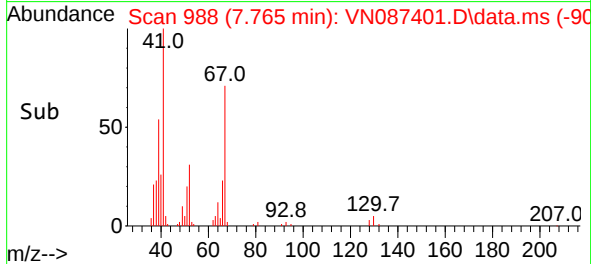


Tgt Ion: 41 Resp: 83840
Ion Ratio Lower Upper
41 100
39 53.6 31.0 93.0
67 70.7 36.8 110.3
52 31.4 16.3 48.8

Manual Integrations
APPROVED

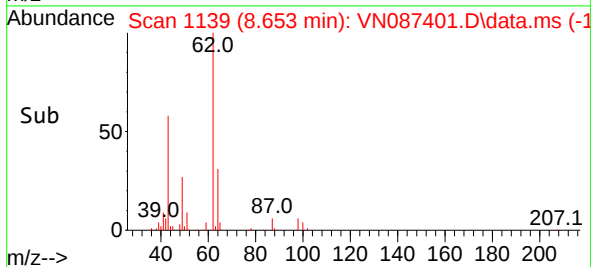
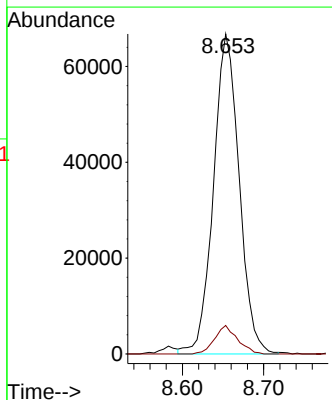
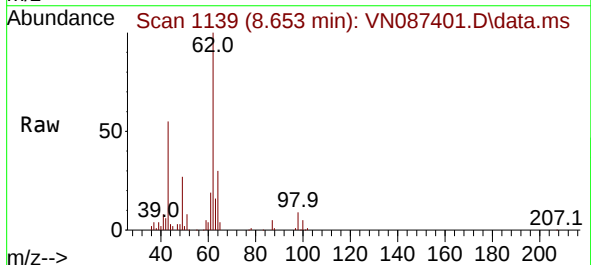
Reviewed By :John
Carlone
07/24/2025

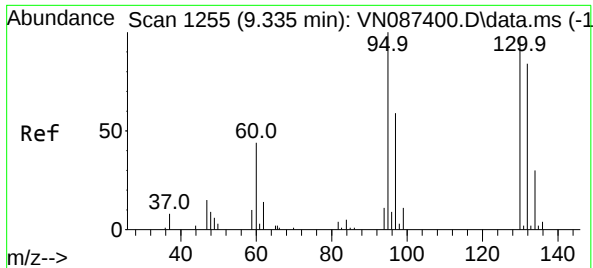
Supervised By :Mahesh
Dadoda
07/24/2025



#36
1,2-Dichloroethane
Concen: 52.588 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

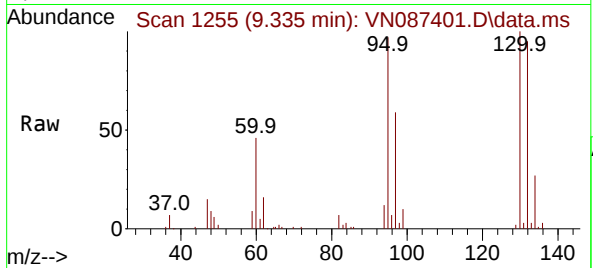
Tgt Ion: 62 Resp: 147065
Ion Ratio Lower Upper
62 100
98 7.9 6.6 9.8





#37
Trichloroethene
Concen: 53.383 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

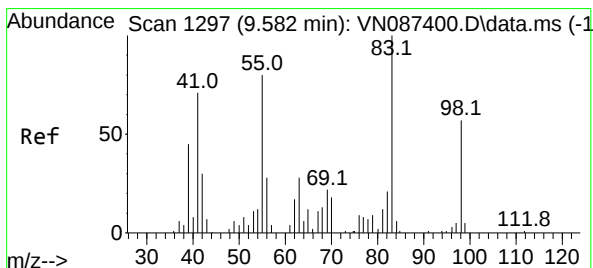
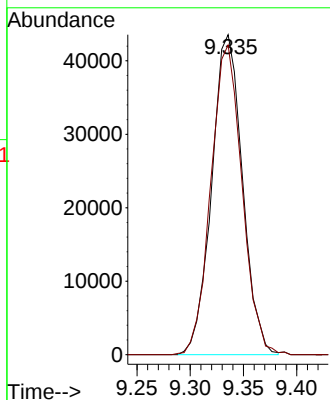


Tgt Ion:130 Resp: 8737
Ion Ratio Lower Upper
130 100
95 96.4 82.4 123.6

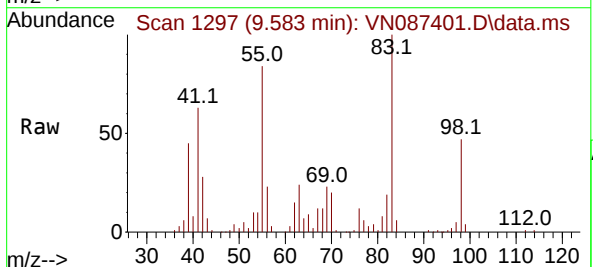
Manual Integrations
APPROVED

Reviewed By :John
Carlone
07/24/2025

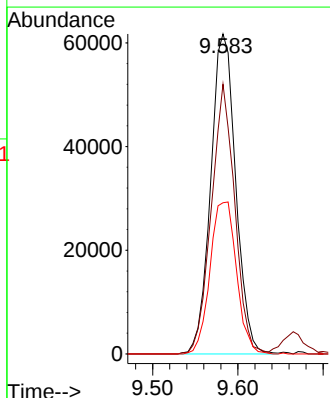
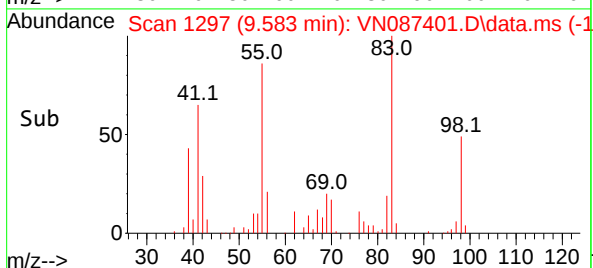
Supervised By :Mahesh
Dadoda
07/24/2025

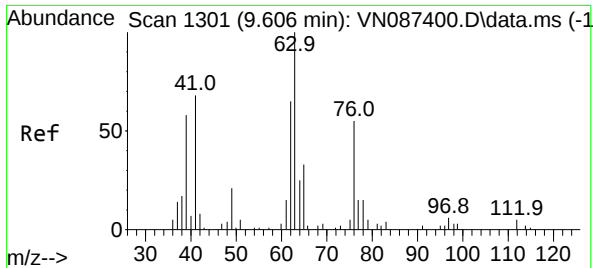


#38
Methylcyclohexane
Concen: 55.475 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50



Tgt Ion: 83 Resp: 125981
Ion Ratio Lower Upper
83 100
55 78.9 40.9 122.8
98 50.2 25.6 76.6





#39

1,2-Dichloropropane

Concen: 53.391 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 93850

Ion Ratio Lower Upper

63 100

65 32.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John

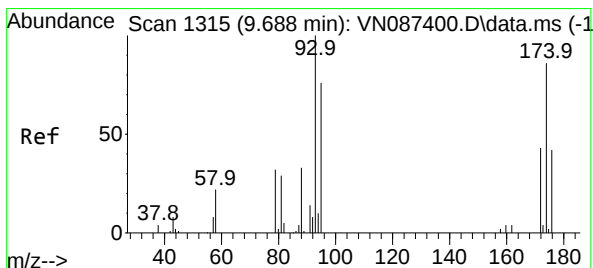
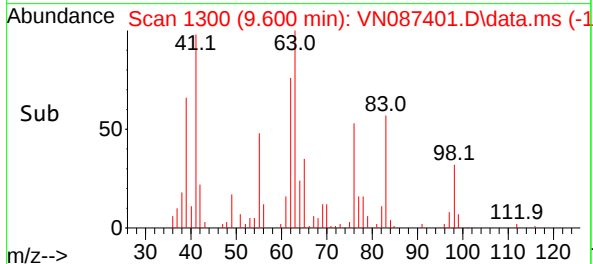
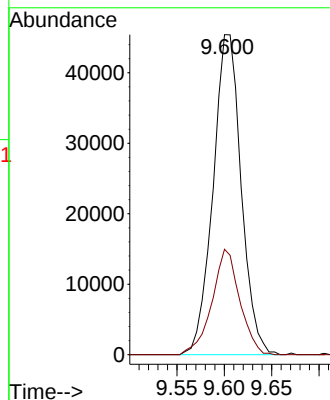
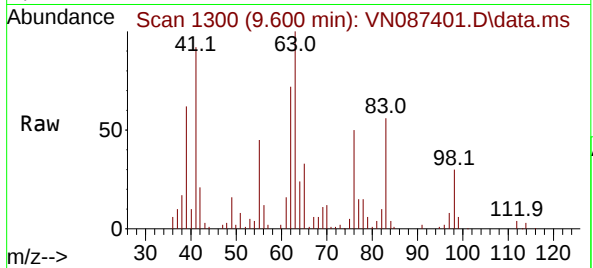
Carlone

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Supervised By :Mahesh

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#40

Dibromomethane

Concen: 51.041 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

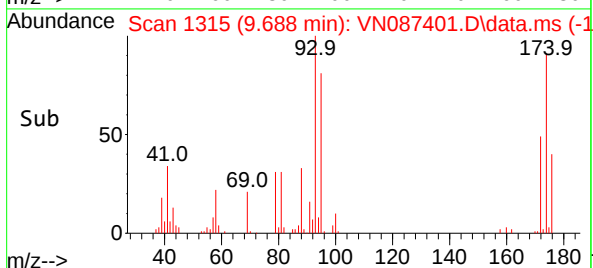
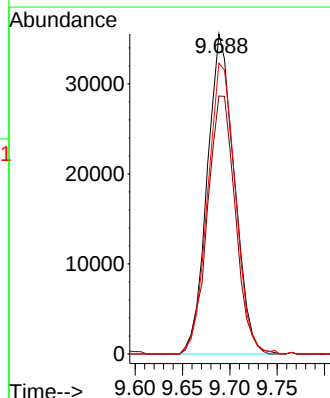
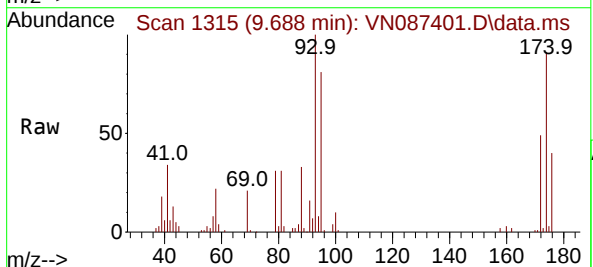
Tgt Ion: 93 Resp: 70818

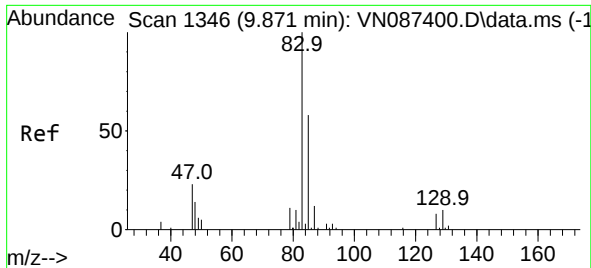
Ion Ratio Lower Upper

93 100

95 82.8 0.0 161.8

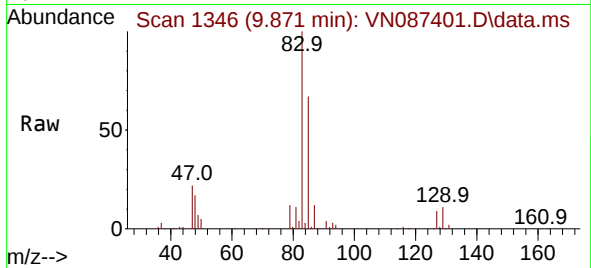
174 92.7 0.0 177.6





#41
Bromodichloromethane
Concen: 52.958 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

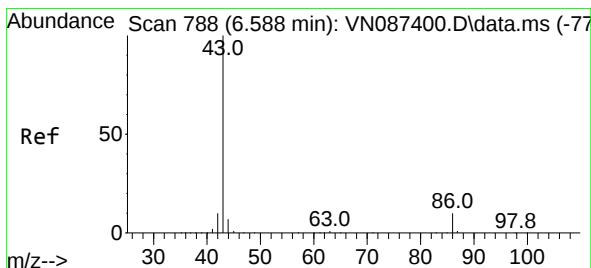
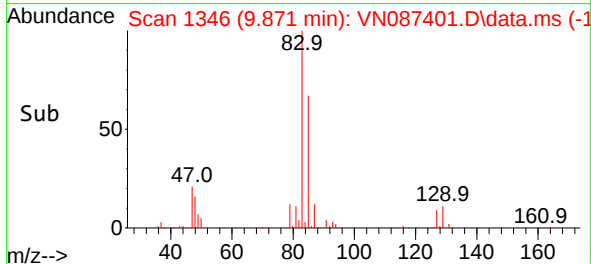
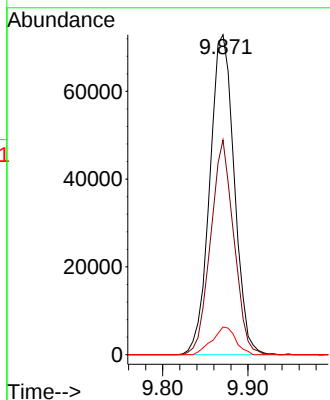


Tgt Ion: 83 Resp: 145490
Ion Ratio Lower Upper
83 100
85 67.1 46.2 69.2
127 8.7 6.1 9.1

Manual Integrations
APPROVED

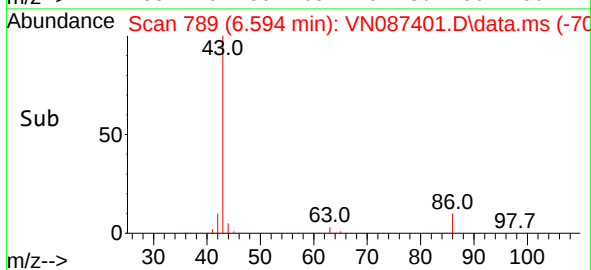
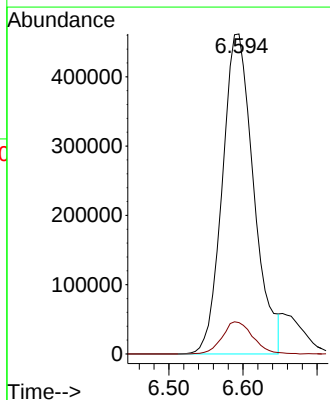
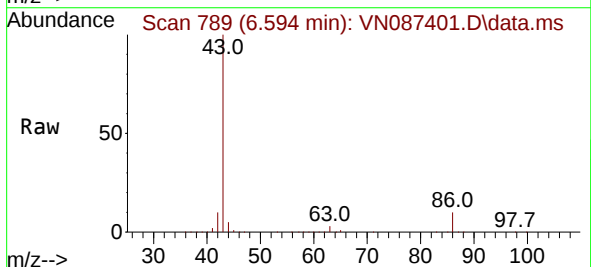
Reviewed By :John
Carlone
07/24/2025

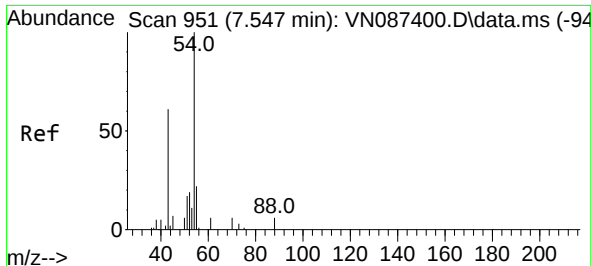
Supervised By :Mahesh
Dadoda
07/24/2025



#42
Vinyl Acetate
Concen: 268.612 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 43 Resp: 1358425
Ion Ratio Lower Upper
43 100
86 9.8 8.1 12.1





#43

Ethyl Acetate

Concen: 53.481 ug/l

RT: 7.547 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 43 Resp: 16503

Ion Ratio Lower Upper

43 100

45 12.1 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :John

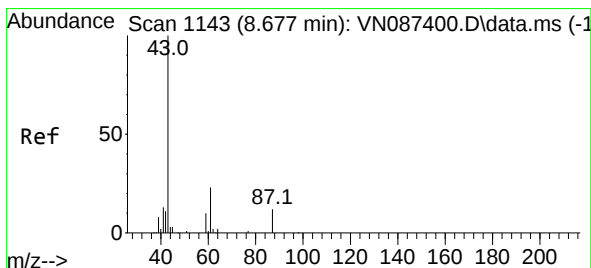
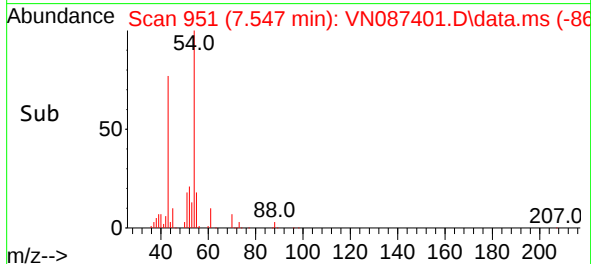
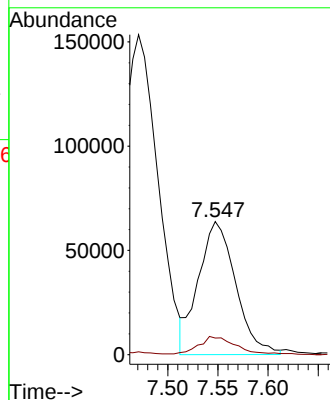
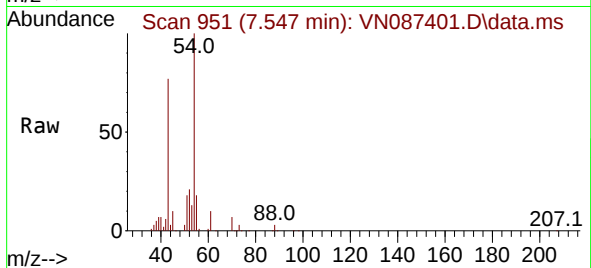
Carlone

07/24/2025

Supervised By :Mahesh

Dadoda

07/24/2025



#44

Isopropyl Acetate

Concen: 54.311 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VN087401.D

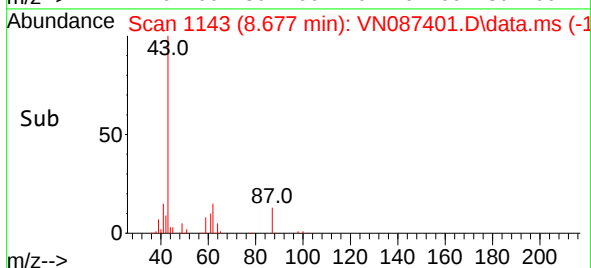
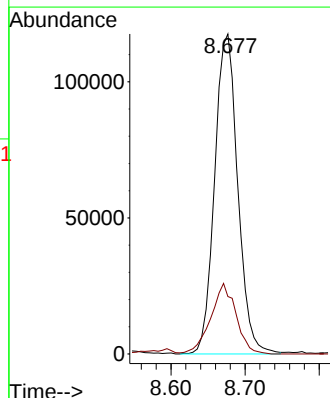
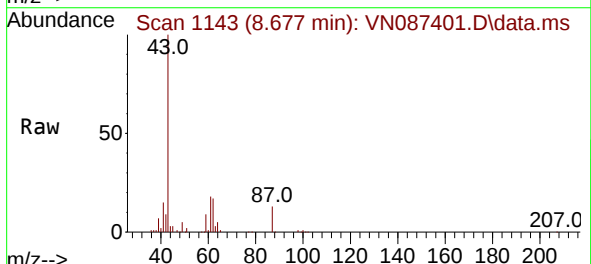
Acq: 23 Jul 2025 10:50

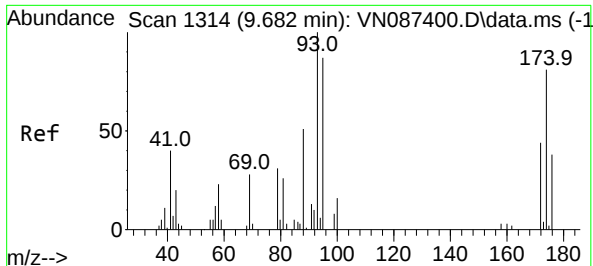
Tgt Ion: 43 Resp: 254828

Ion Ratio Lower Upper

43 100

61 24.2 20.1 30.1





#45

1,4-Dioxane

Concen: 1049.680 ug/l

RT: 9.683 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 88 Resp: 3013

Ion Ratio Lower Upper

88 100

43 31.9 29.6 44.4

58 72.2 23.5 35.3

Manual Integrations

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Reviewed By :John

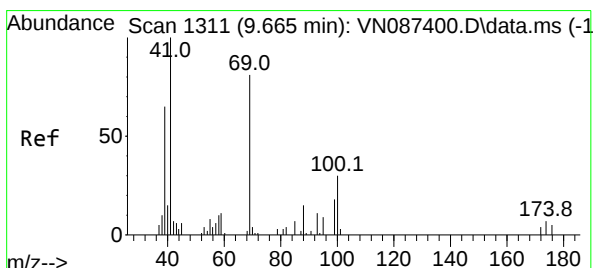
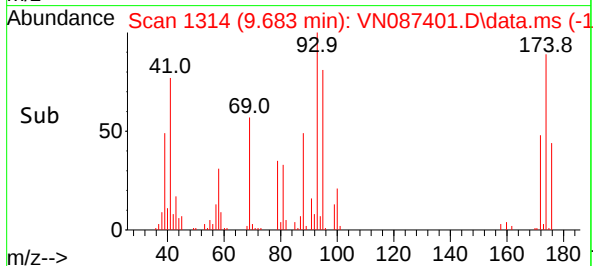
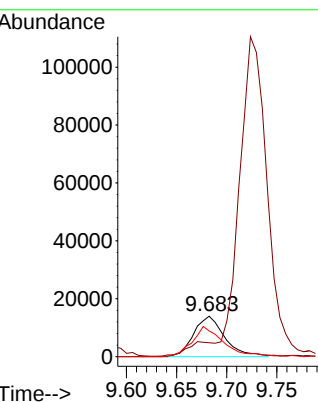
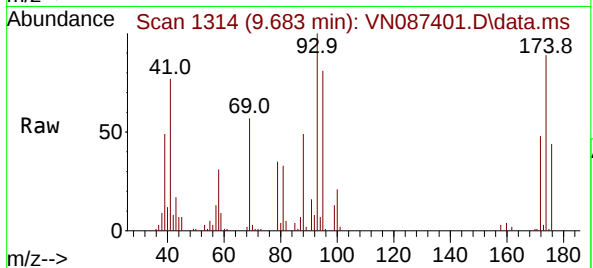
Carlone

07/24/2025

Supervised By :Mahesh

Dadoda

07/24/2025



#46

Methyl methacrylate

Concen: 55.864 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VN087401.D

Acq: 23 Jul 2025 10:50

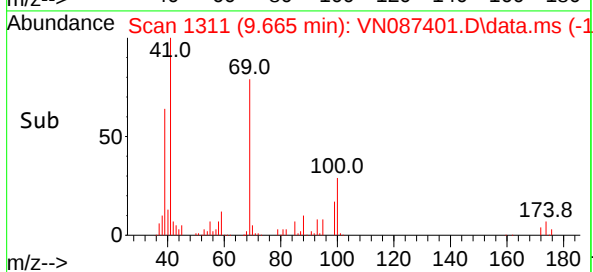
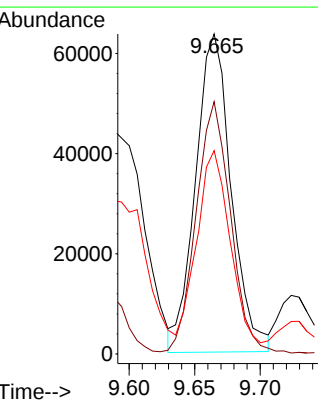
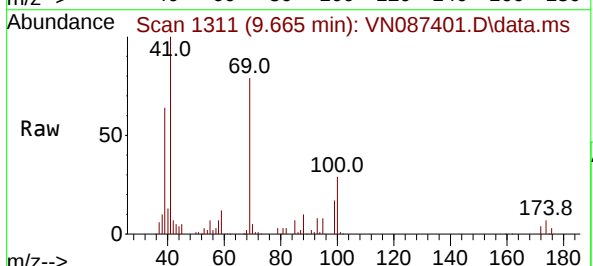
Tgt Ion: 41 Resp: 120368

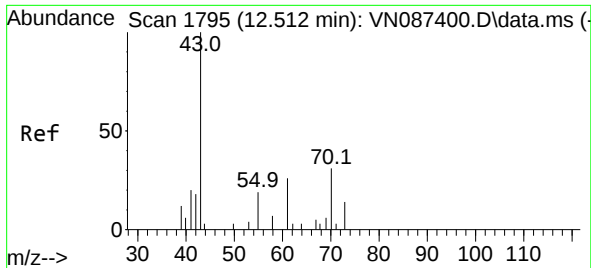
Ion Ratio Lower Upper

41 100

69 82.6 39.5 118.5

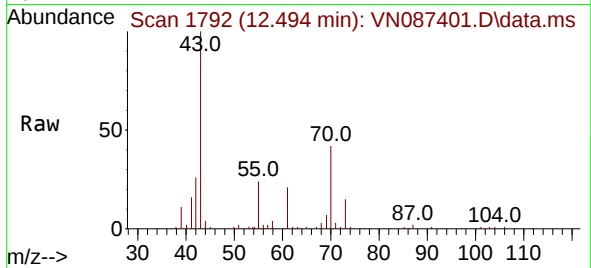
39 63.2 31.6 94.7





#47
n-amy1 Acetate
Concen: 50.138 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

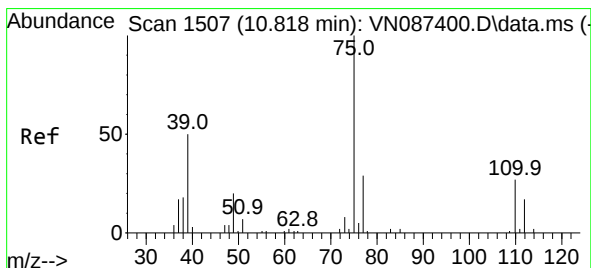
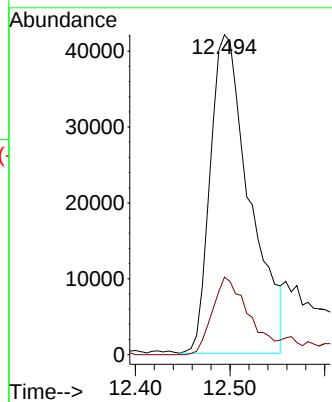
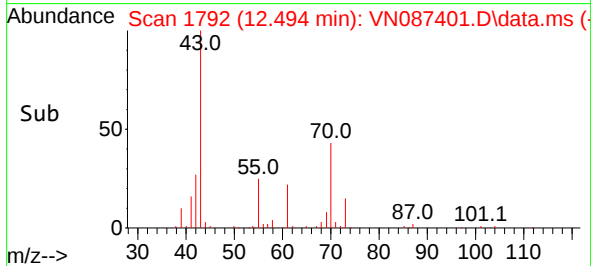


Tgt Ion: 43 Resp: 121448
Ion Ratio Lower Upper
43 100
55 22.4 0.6 0.8

Manual Integrations
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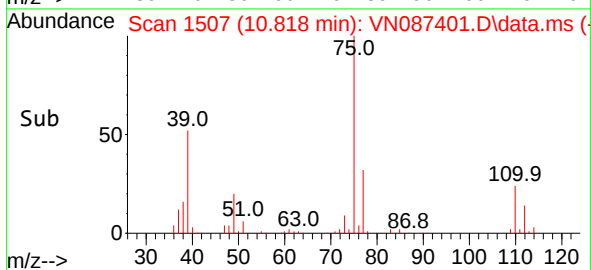
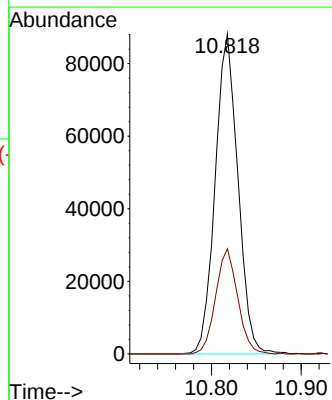
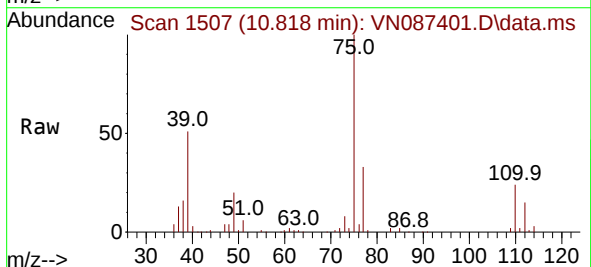
Reviewed By :John
Carlone
07/24/2025

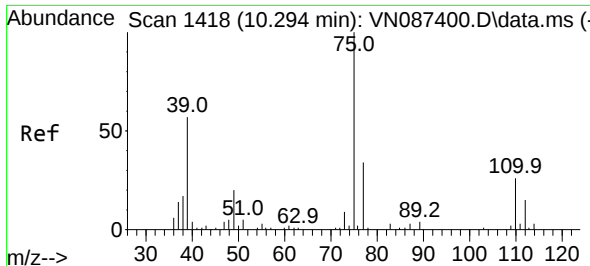
Supervised By :Mahesh
Dadoda
07/24/2025



#48
t-1,3-Dichloropropene
Concen: 53.677 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

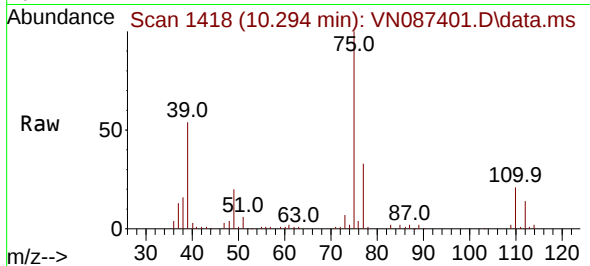
Tgt Ion: 75 Resp: 155256
Ion Ratio Lower Upper
75 100
77 32.9 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 53.187 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

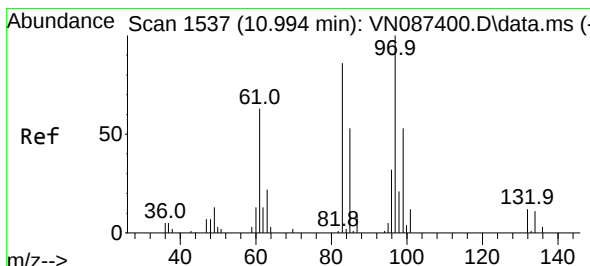
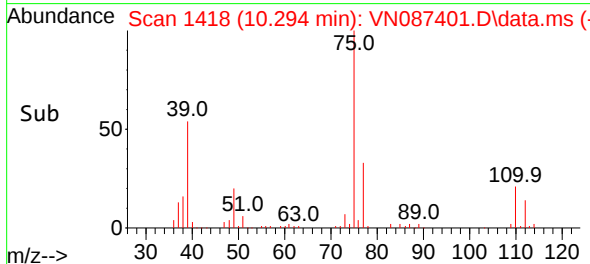
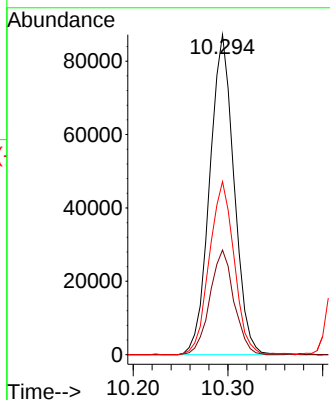


Tgt Ion: 75 Resp: 155524
 Ion Ratio Lower Upper
 75 100
 77 32.7 27.4 41.0
 39 54.1 46.3 69.5

Manual Integrations
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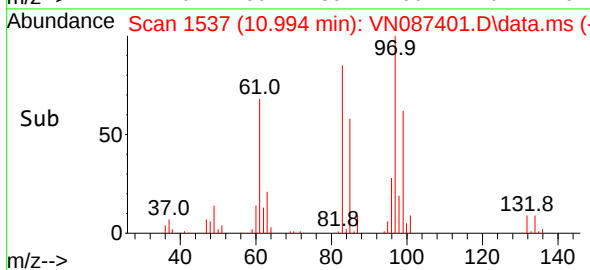
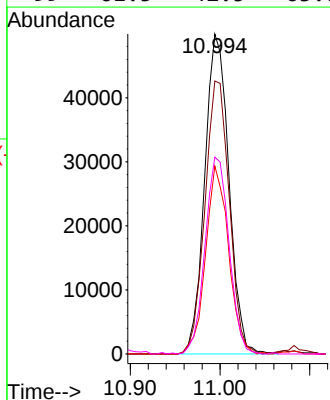
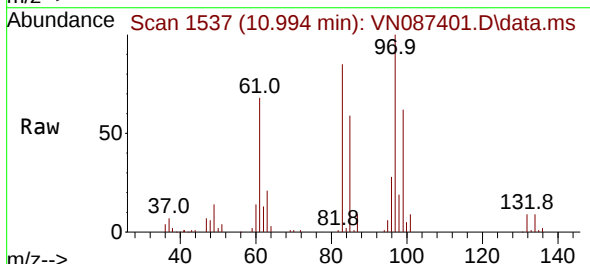
Reviewed By :John
 Carlone
 07/24/2025

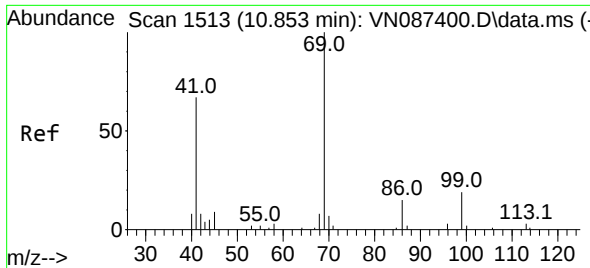
Supervised By :Mahesh
 Dadoda
 07/24/2025



#50
 1,1,2-Trichloroethane
 Concen: 52.654 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

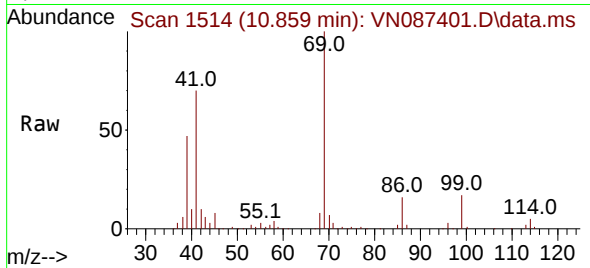
Tgt Ion: 97 Resp: 93649
 Ion Ratio Lower Upper
 97 100
 83 85.3 68.9 103.3
 85 58.7 42.2 63.2
 99 61.5 42.5 63.7





#51
Ethyl methacrylate
Concen: 54.273 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

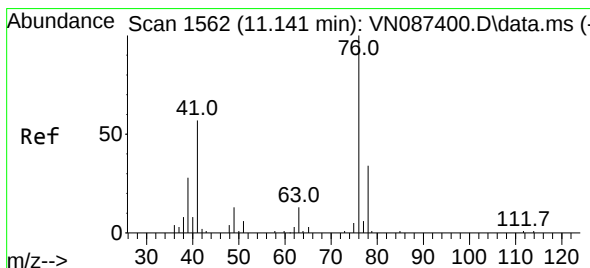
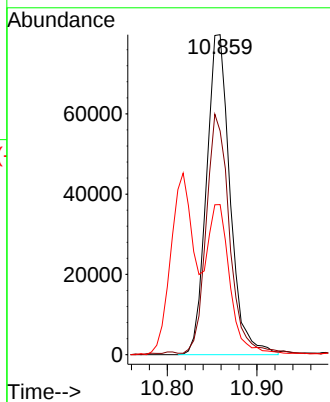
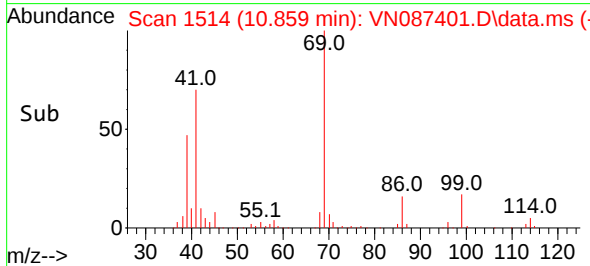


Tgt Ion: 69 Resp: 146084
Ion Ratio Lower Upper
69 100
41 69.4 33.7 101.1
39 46.1 21.6 65.0

Manual Integrations
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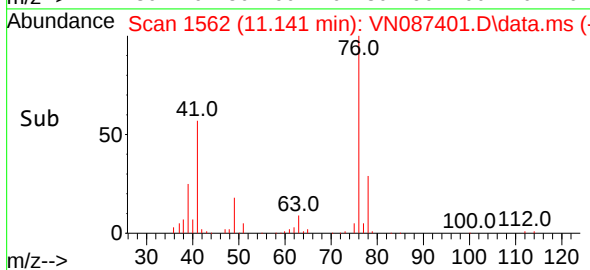
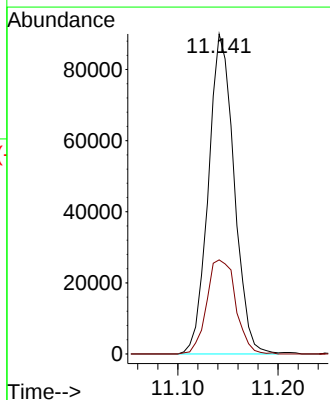
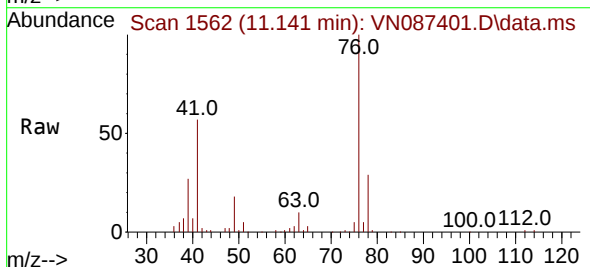
Reviewed By :John
Carlone
07/24/2025

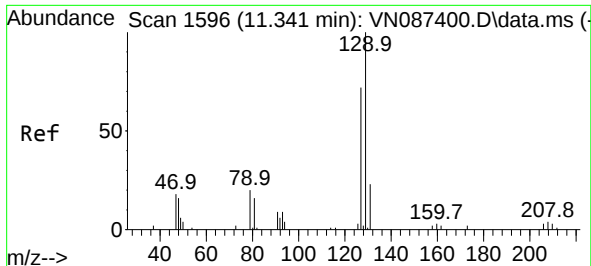
Supervised By :Mahesh
Dadoda
07/24/2025



#52
1,3-Dichloropropane
Concen: 53.282 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

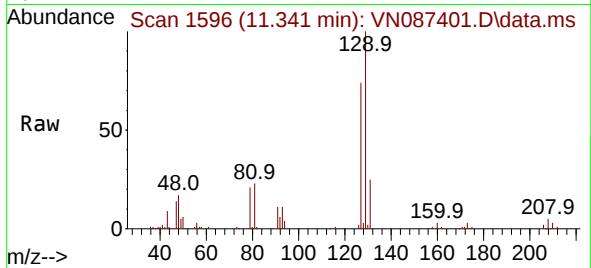
Tgt Ion: 76 Resp: 160698
Ion Ratio Lower Upper
76 100
78 33.0 0.0 67.4





#53
Dibromochloromethane
Concen: 52.579 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

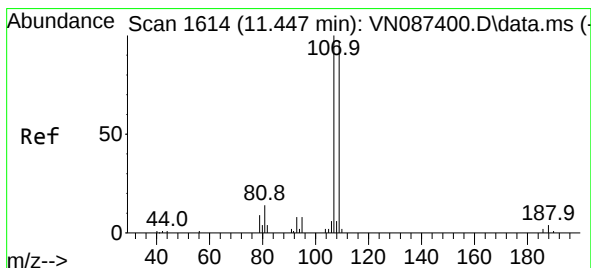
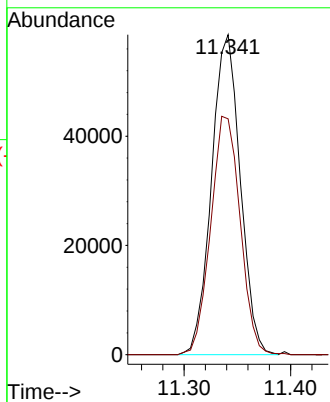
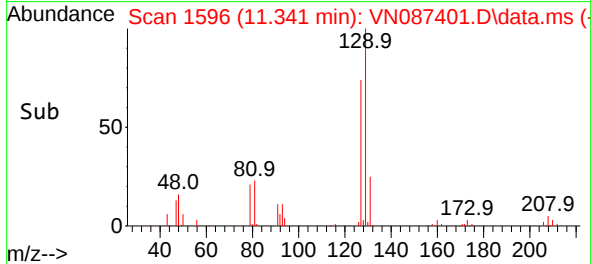


Tgt Ion:129 Resp: 10986
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1

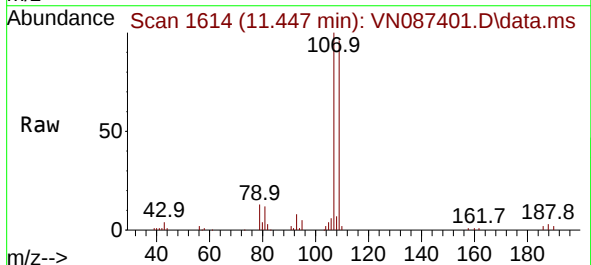
Manual Integrations
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Reviewed By :John
Carlone
07/24/2025

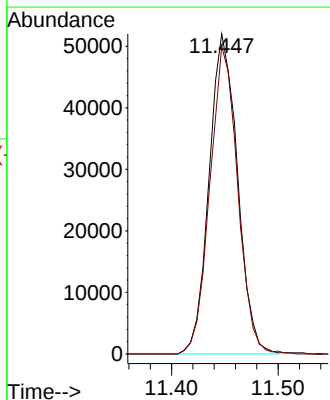
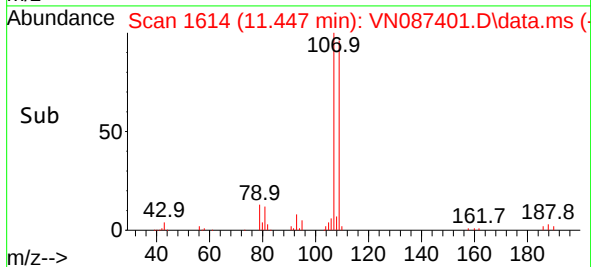
Supervised By :Mahesh
Dadoda
07/24/2025

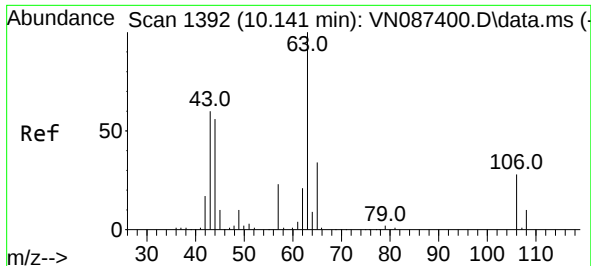


#54
1,2-Dibromoethane
Concen: 51.604 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50



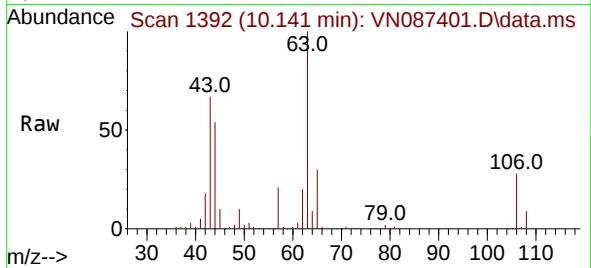
Tgt Ion:107 Resp: 96076
Ion Ratio Lower Upper
107 100
109 94.1 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 293.784 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

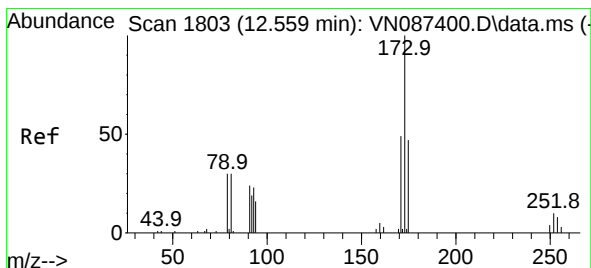
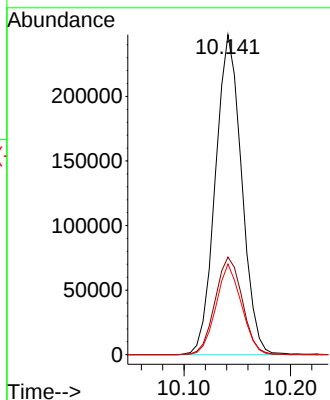
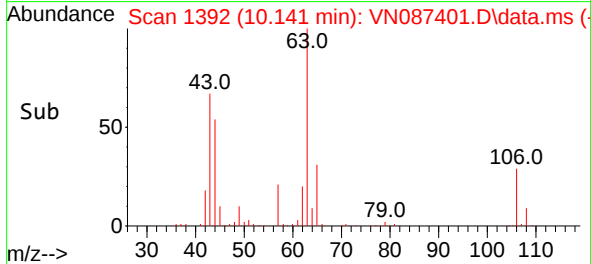


Tgt Ion: 63 Resp: 423775
Ion Ratio Lower Upper
63 100
65 31.5 25.8 38.8
106 27.5 23.0 34.4

Manual Integrations
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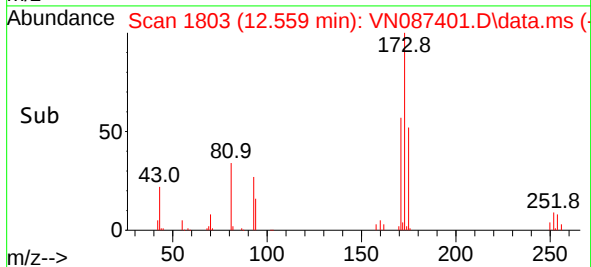
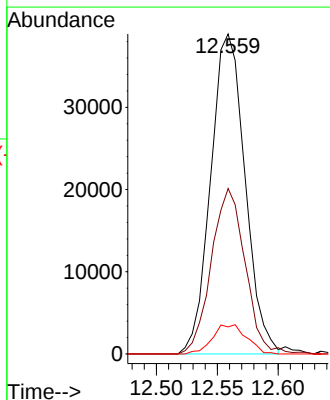
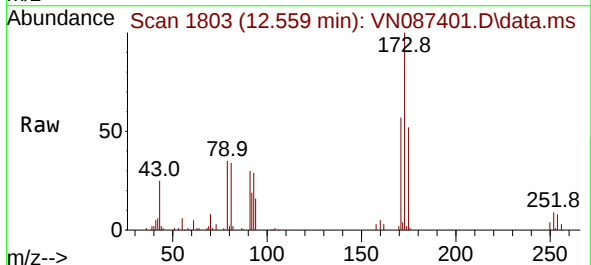
Reviewed By :John
Carlone
07/24/2025

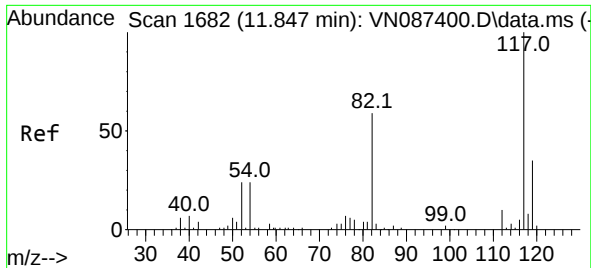
Supervised By :Mahesh
Dadoda
07/24/2025



#56
Bromoform
Concen: 51.756 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion:173 Resp: 76356
Ion Ratio Lower Upper
173 100
175 50.8 38.4 57.6
254 9.1 6.7 10.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

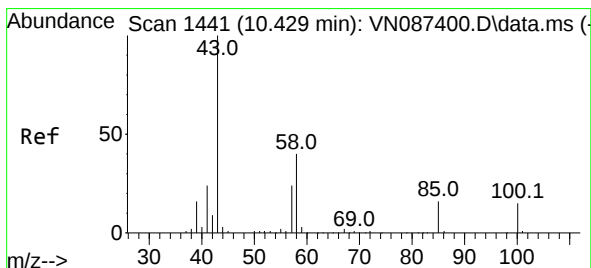
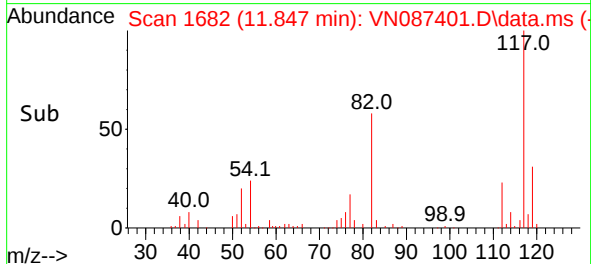
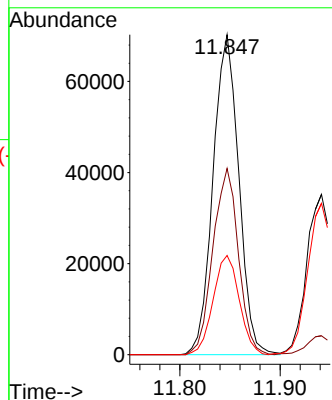
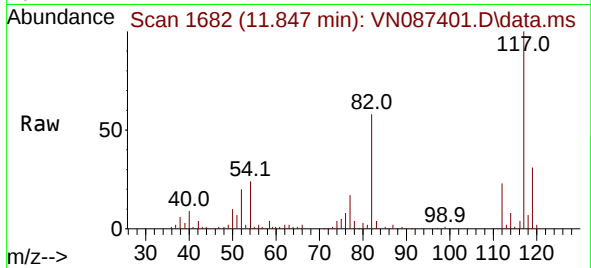
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:117 Resp: 12531
Ion Ratio Lower Upper
117 100
82 57.6 44.1 66.1
119 31.6 25.4 38.2

Manual Integrations
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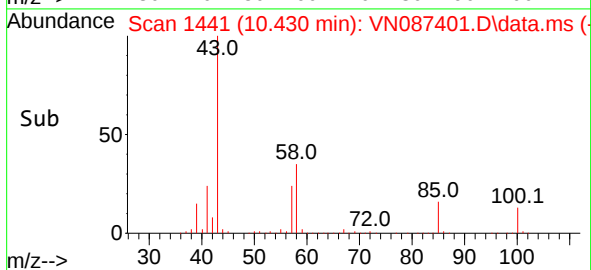
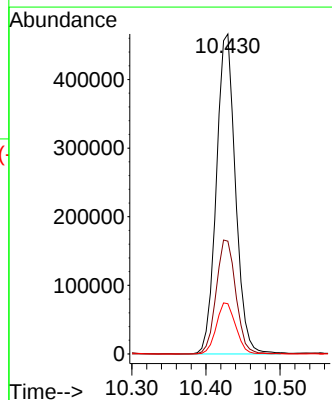
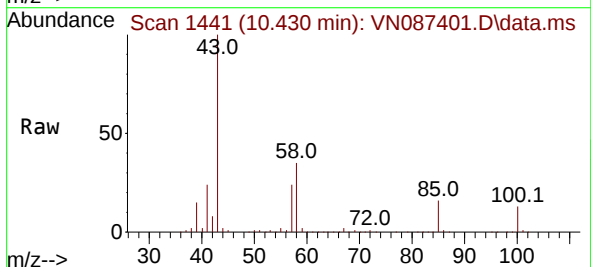
Reviewed By :John
Carlone
07/24/2025

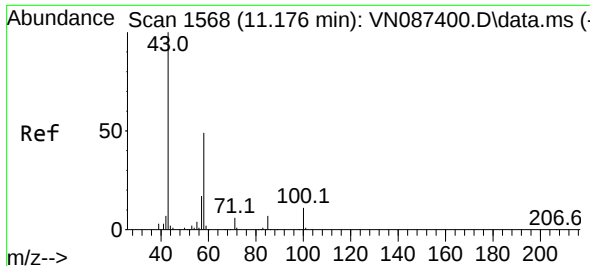
Supervised By :Mahesh
Dadoda
07/24/2025



#58
4-Methyl-2-Pentanone
Concen: 278.146 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

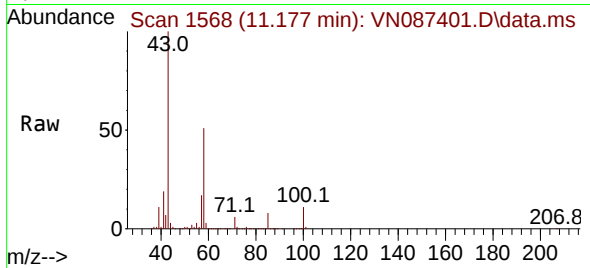
Tgt Ion: 43 Resp: 835220
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3
85 16.2 13.3 19.9





#59
2-Hexanone
Concen: 284.894 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

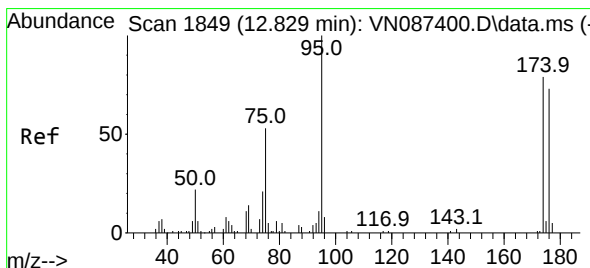
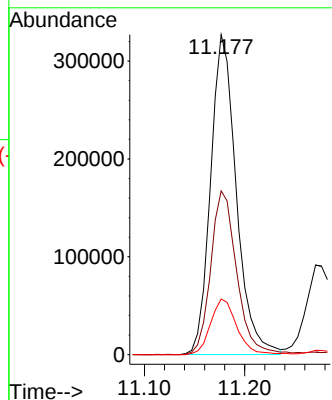


Tgt Ion: 43 Resp: 58189
Ion Ratio Lower Upper
43 100
58 52.0 40.5 60.7
57 17.8 14.0 21.0

Manual Integrations
APPROVED

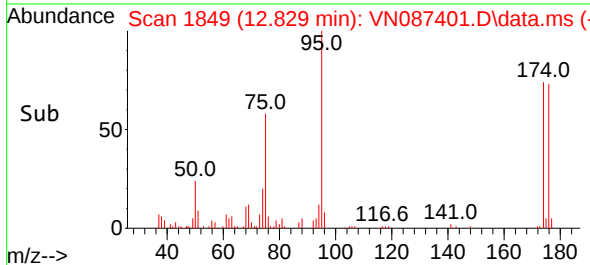
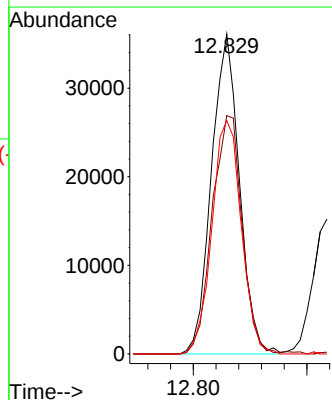
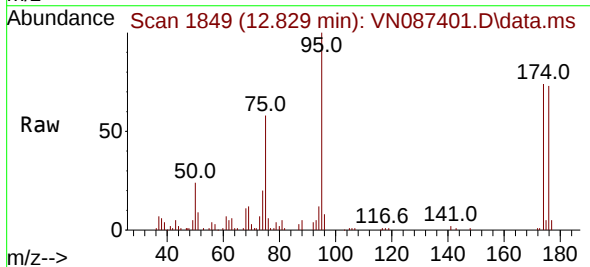
Reviewed By :John
Carlone
07/24/2025

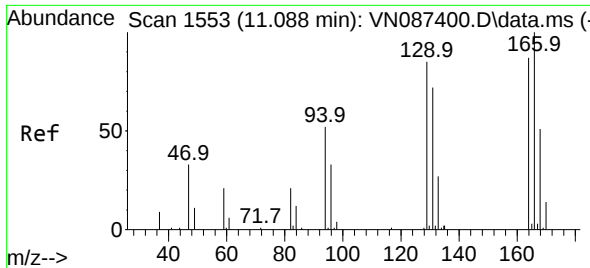
Supervised By :Mahesh
Dadoda
07/24/2025



#60
4-Bromofluorobenzene
Concen: 29.469 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

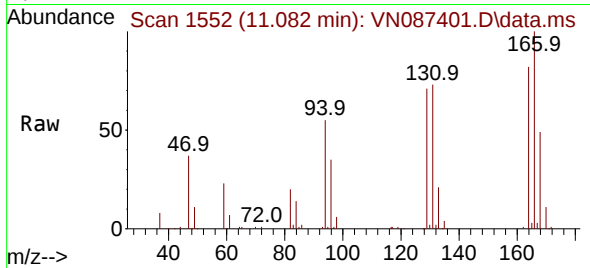
Tgt Ion: 95 Resp: 61577
Ion Ratio Lower Upper
95 100
174 79.6 62.1 93.1
176 76.9 57.9 86.9





#61
Tetrachloroethene
Concen: 52.511 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

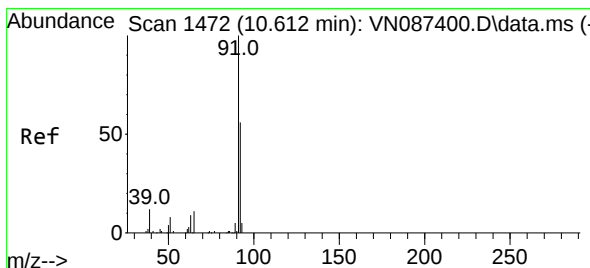
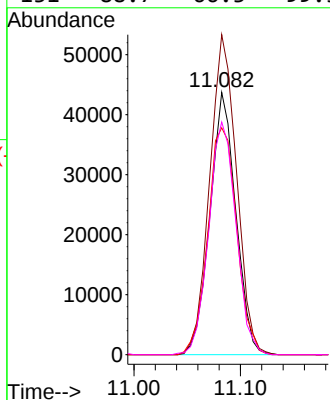


Tgt Ion:164 Resp: 7381
Ion Ratio Lower Upper
164 100
166 122.0 91.7 137.5
129 86.5 77.8 116.6
131 88.7 66.3 99.5

Manual Integrations
APPROVED

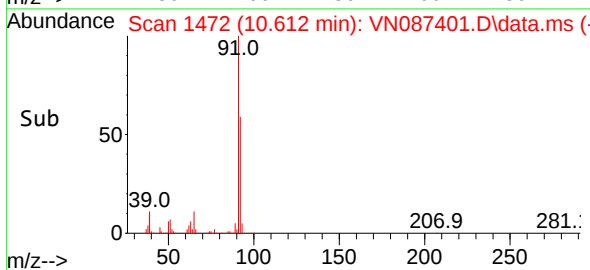
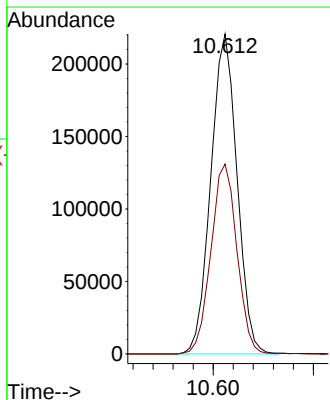
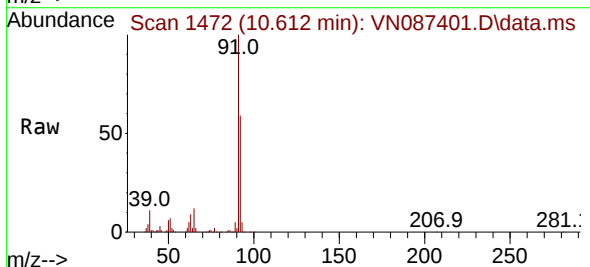
Reviewed By :John
Carlone
07/24/2025

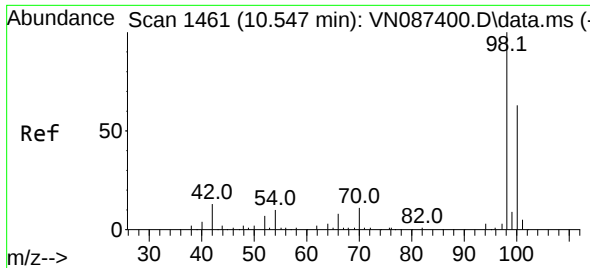
Supervised By :Mahesh
Dadoda
07/24/2025



#62
Toluene
Concen: 53.123 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

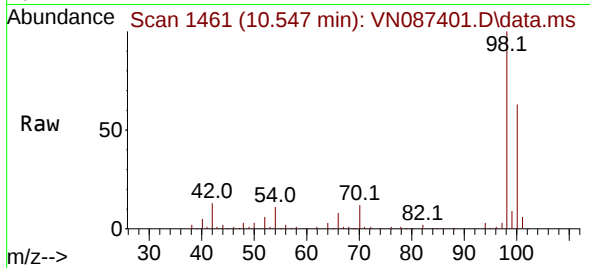
Tgt Ion: 91 Resp: 401394
Ion Ratio Lower Upper
91 100
92 58.8 47.4 71.0





#63
Toluene-d8
Concen: 30.358 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

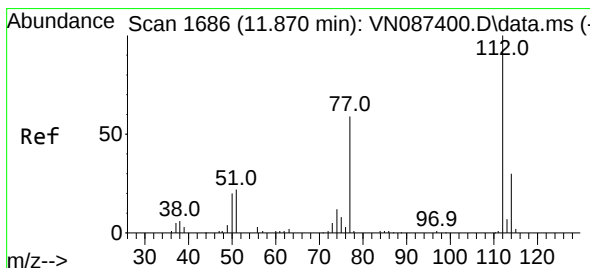
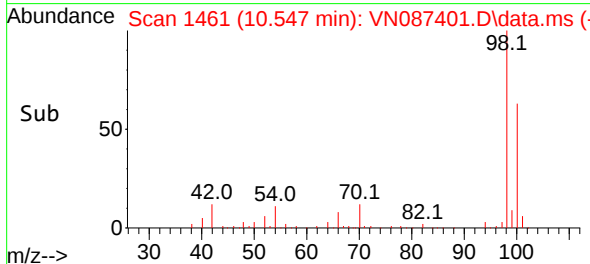
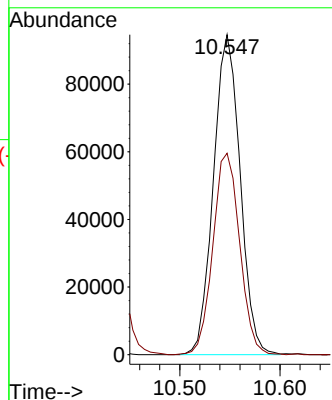


Tgt Ion: 98 Resp: 175150
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7

Manual Integrations
APPROVED

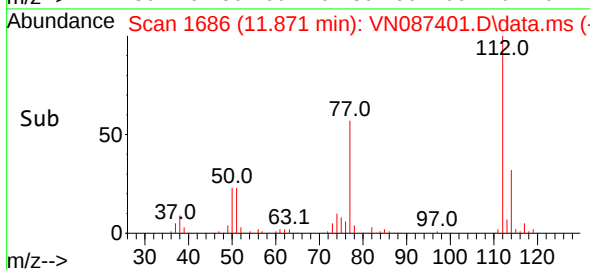
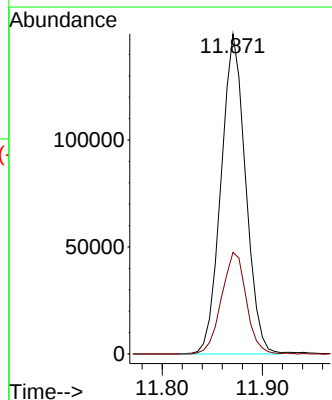
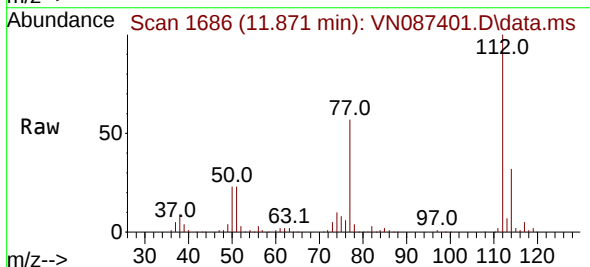
Reviewed By :John
Carlone
07/24/2025

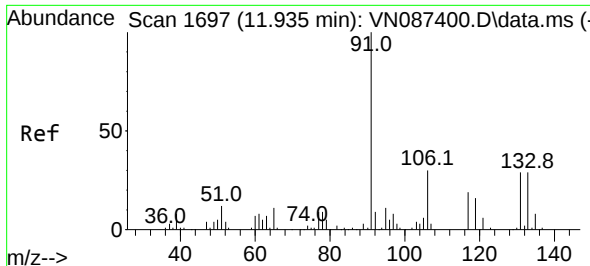
Supervised By :Mahesh
Dadoda
07/24/2025



#64
Chlorobenzene
Concen: 53.109 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

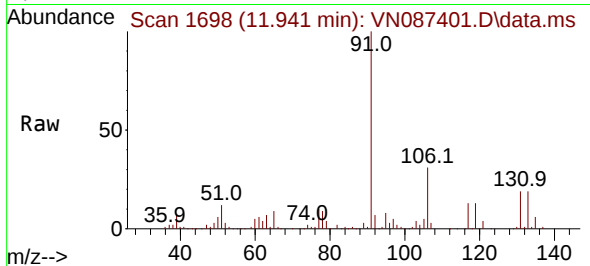
Tgt Ion:112 Resp: 253811
Ion Ratio Lower Upper
112 100
114 31.8 24.0 36.0





#65
1,1,1,2-Tetrachloroethane
Concen: 53.130 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

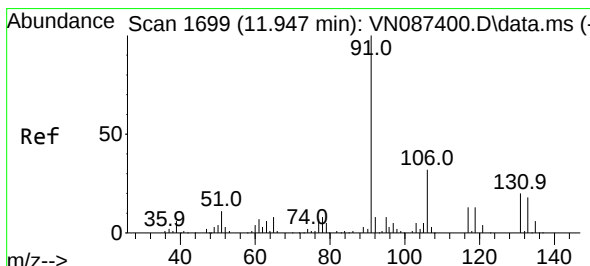
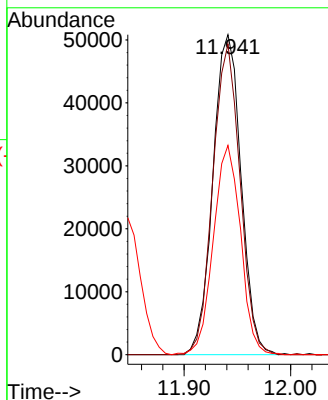
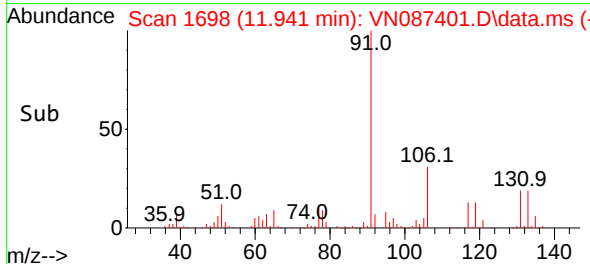


Tgt Ion:131 Resp: 93374
Ion Ratio Lower Upper
131 100
133 93.8 0.0 193.0
119 63.2 0.0 128.2

Manual Integrations
APPROVED

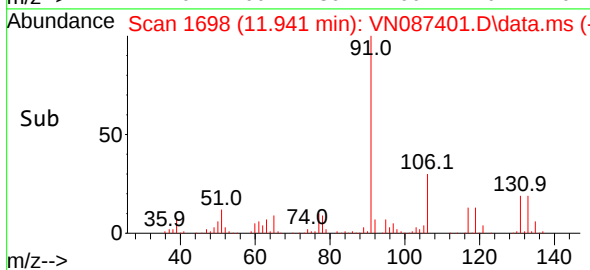
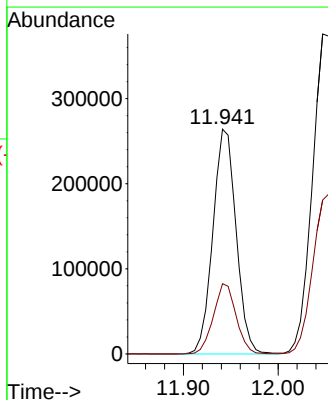
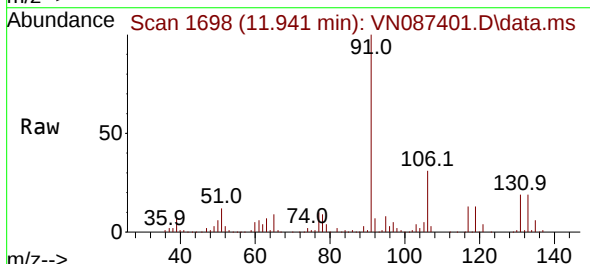
Reviewed By :John
Carlone
07/24/2025

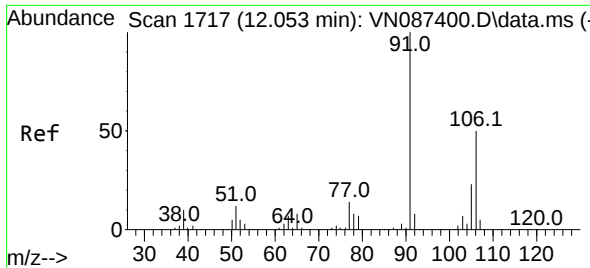
Supervised By :Mahesh
Dadoda
07/24/2025



#66
Ethyl Benzene
Concen: 55.956 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 91 Resp: 451227
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6





#67
m/p-Xylenes
Concen: 113.081 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

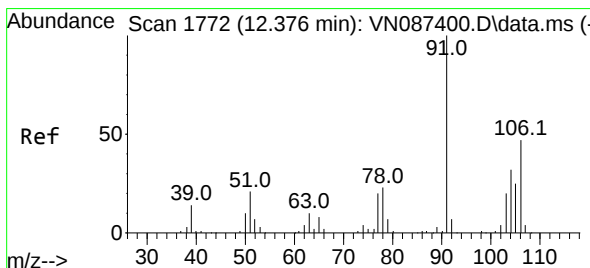
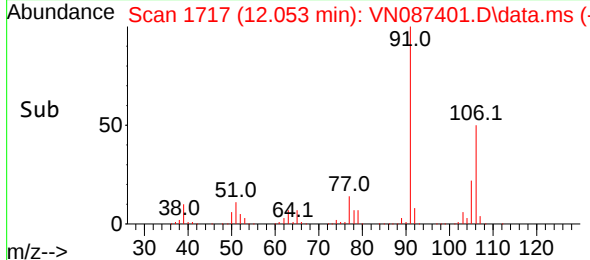
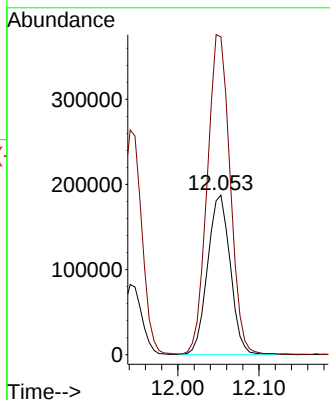
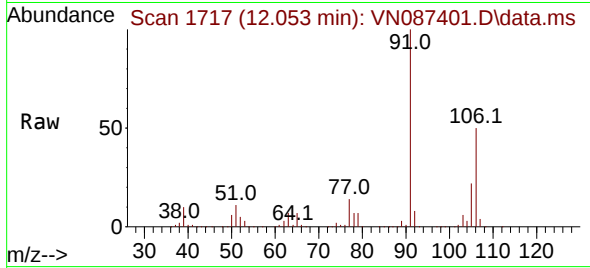
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 36441
Ion Ratio Lower Upper
106 100
91 201.9 163.4 245.2

Manual Integrations
APPROVED

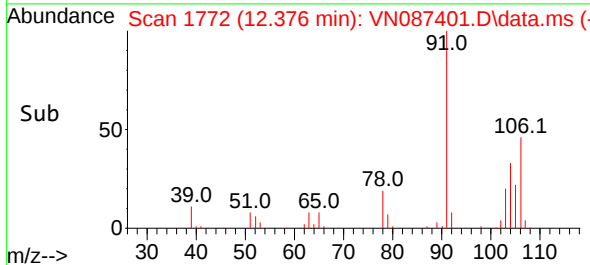
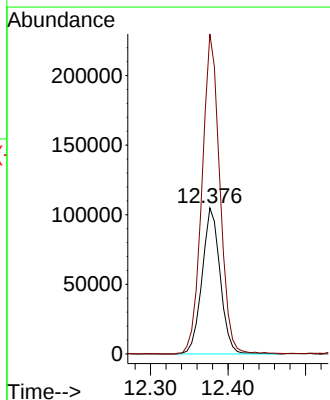
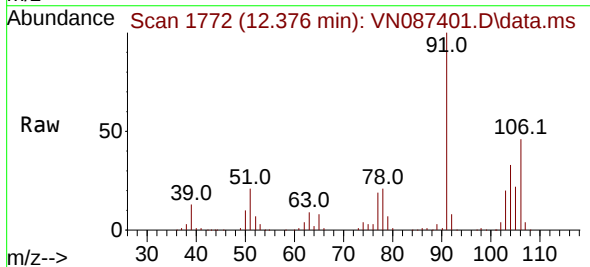
Reviewed By :John
Carlone
07/24/2025

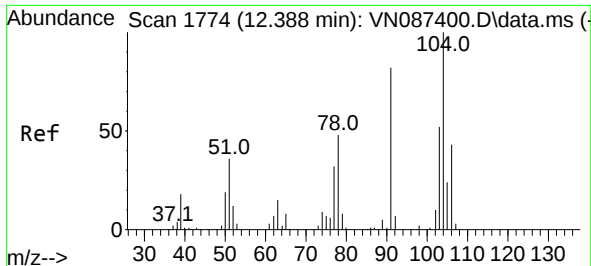
Supervised By :Mahesh
Dadoda
07/24/2025



#68
o-Xylene
Concen: 56.267 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion:106 Resp: 169951
Ion Ratio Lower Upper
106 100
91 216.0 106.6 319.8





#69
Styrene
Concen: 56.610 ug/l
RT: 12.394 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

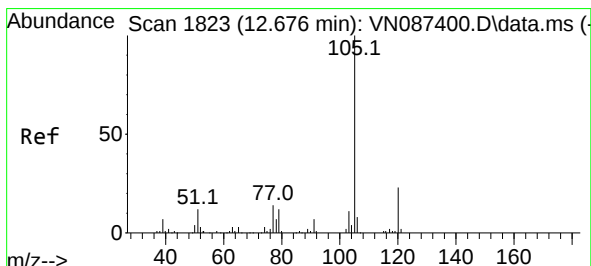
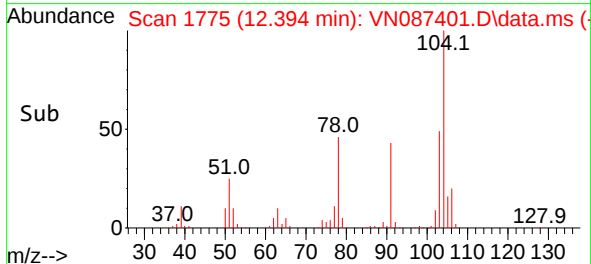
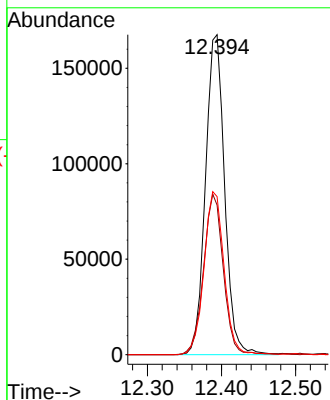
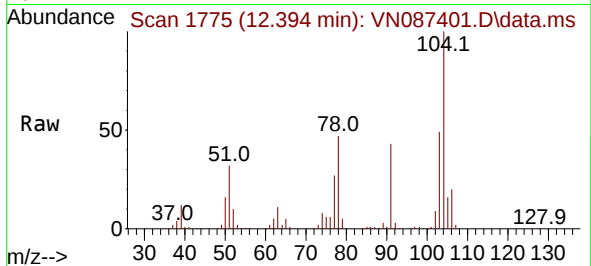
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:104 Resp: 300740
Ion Ratio Lower Upper
104 100
78 51.3 40.7 61.1
103 53.2 43.4 65.2

Manual Integrations
APPROVED

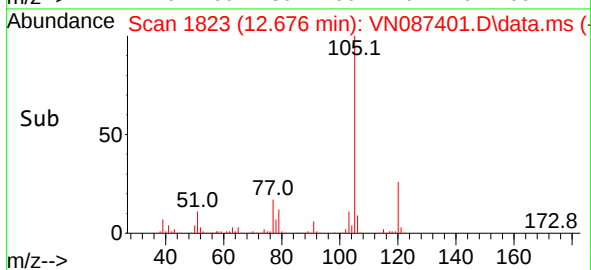
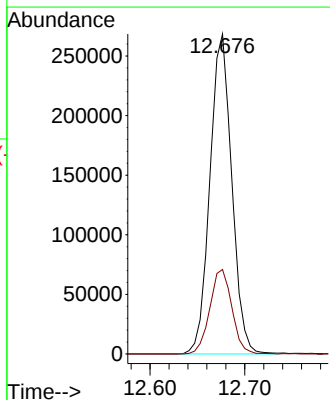
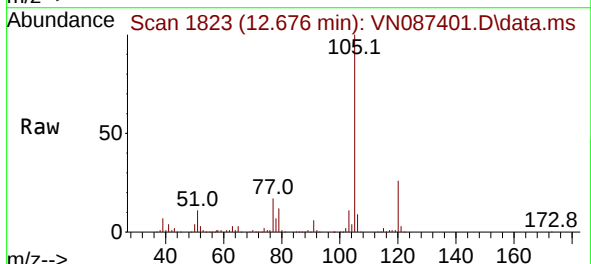
Reviewed By :John
Carlone
07/24/2025

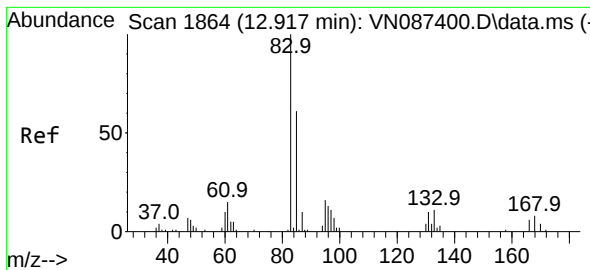
Supervised By :Mahesh
Dadoda
07/24/2025



#70
Isopropylbenzene
Concen: 55.539 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

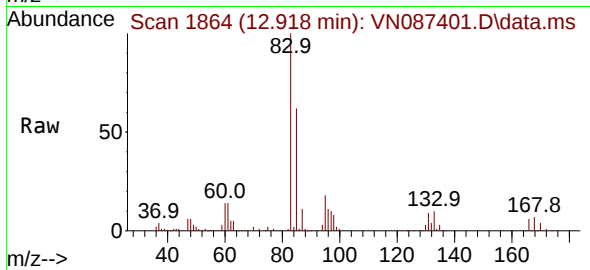
Tgt Ion:105 Resp: 430034
Ion Ratio Lower Upper
105 100
120 26.5 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 52.384 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

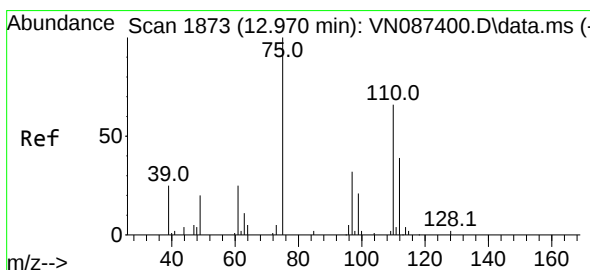
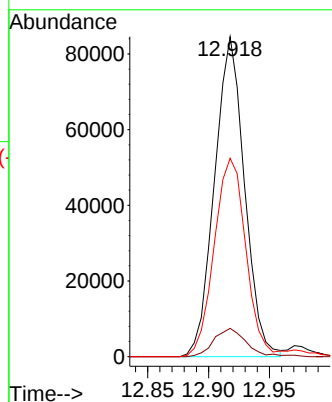
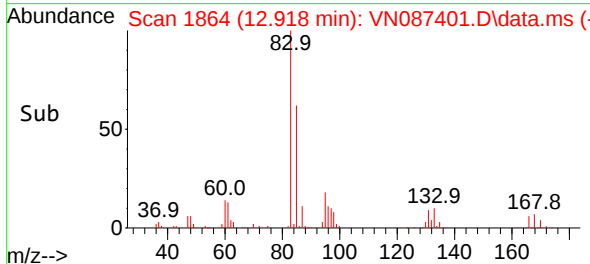


Tgt Ion: 83 Resp: 144973
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 64.9 30.6 91.6

Manual Integrations
APPROVED

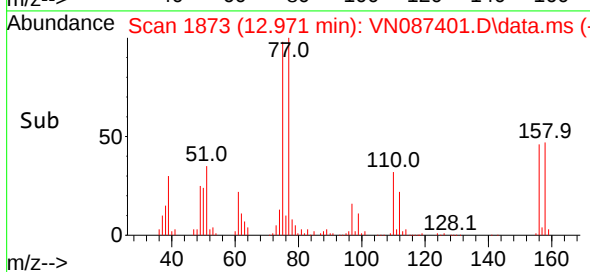
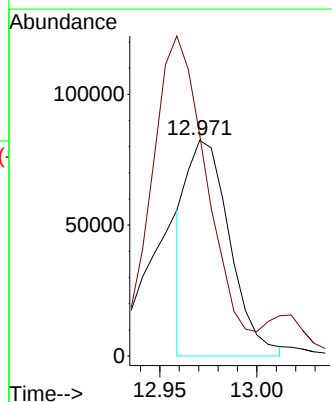
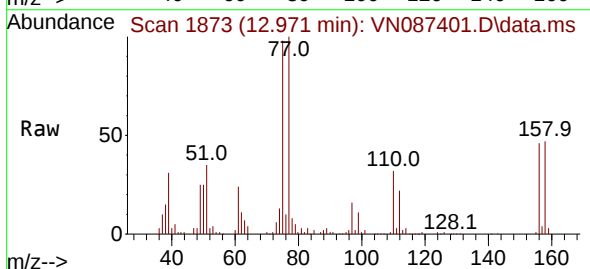
Reviewed By :John
Carlone
07/24/2025

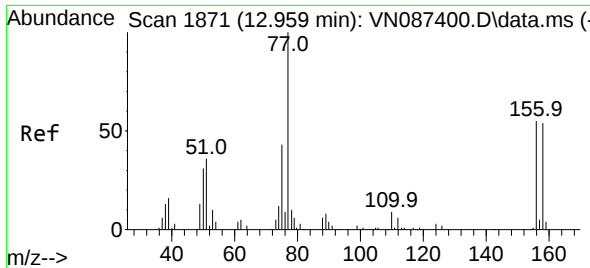
Supervised By :Mahesh
Dadoda
07/24/2025



#72
1,2,3-Trichloropropane
Concen: 36.450 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

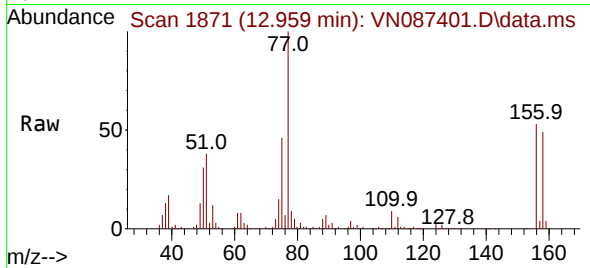
Tgt Ion: 75 Resp: 127794
Ion Ratio Lower Upper
75 100
77 194.0 0.0 361.2





#73
Bromobenzene
Concen: 54.613 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

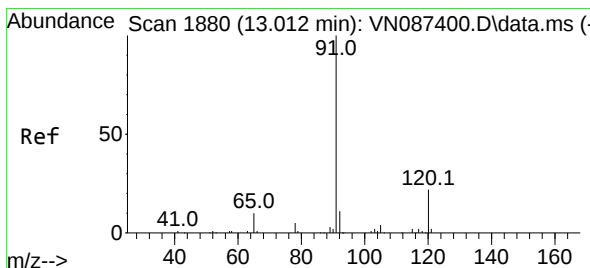
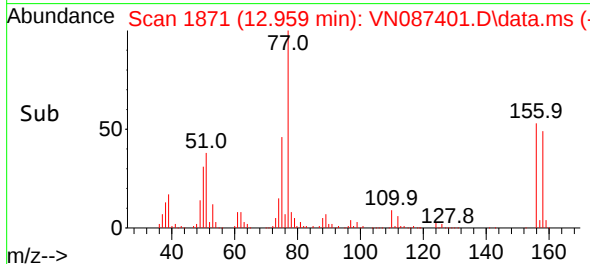
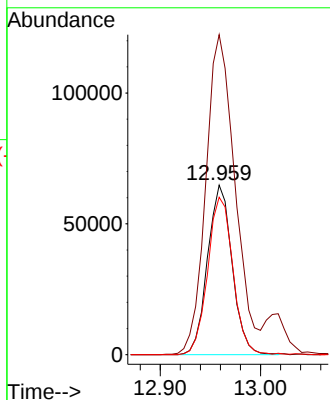


Tgt Ion:156 Resp: 110324
Ion Ratio Lower Upper
156 100
77 224.7 0.0 440.6
158 95.1 0.0 195.0

Manual Integrations
APPROVED

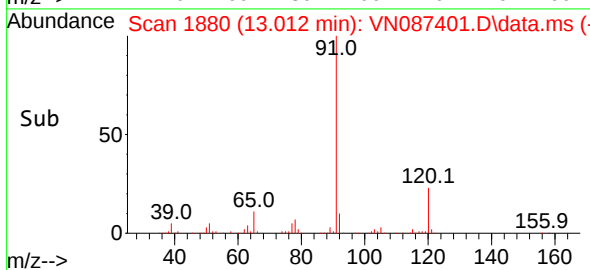
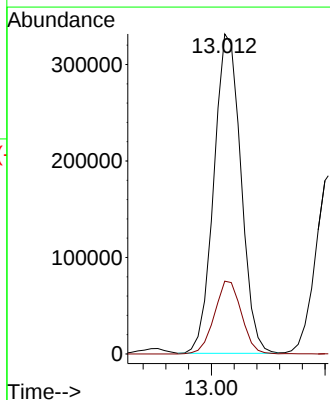
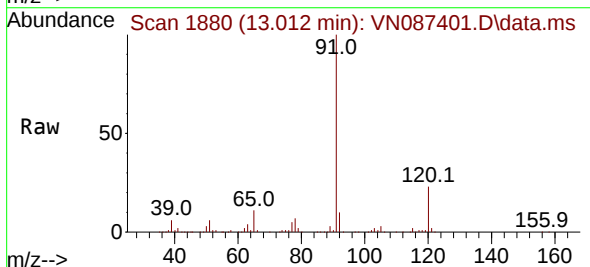
Reviewed By :John
Carlone
07/24/2025

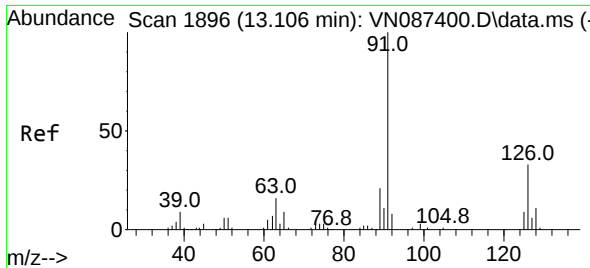
Supervised By :Mahesh
Dadoda
07/24/2025



#74
n-propylbenzene
Concen: 55.618 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Tgt Ion: 91 Resp: 547317
Ion Ratio Lower Upper
91 100
120 22.8 0.0 44.6





#75
2-Chlorotoluene
Concen: 55.907 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

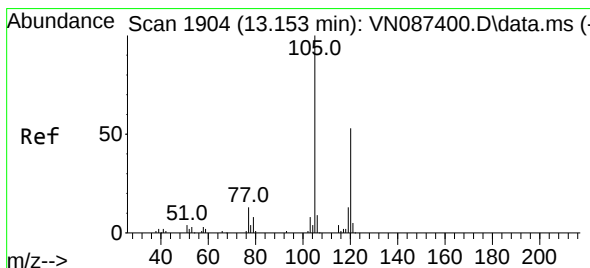
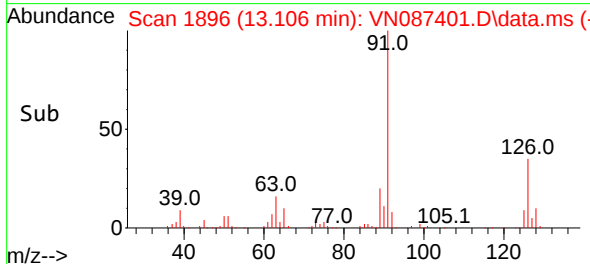
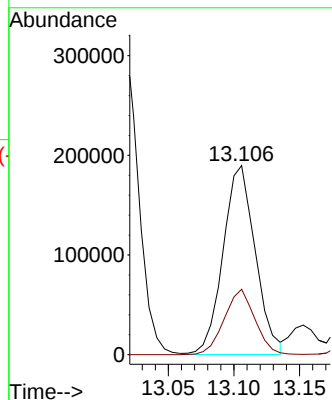
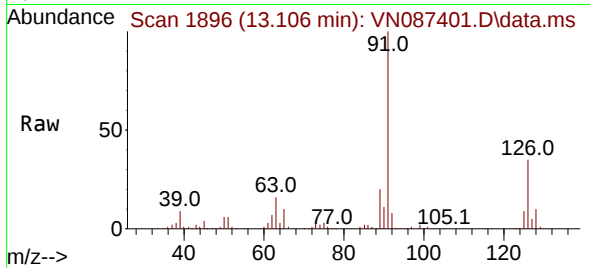
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 324838
Ion Ratio Lower Upper
91 100
126 33.0 0.0 65.4

Manual Integrations
APPROVED

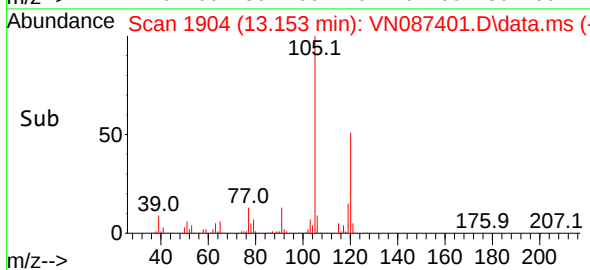
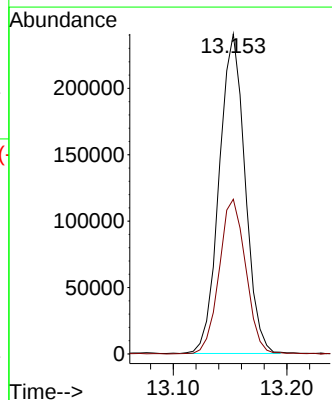
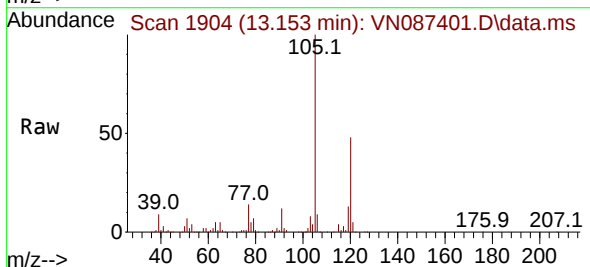
Reviewed By :John
Carlone
07/24/2025

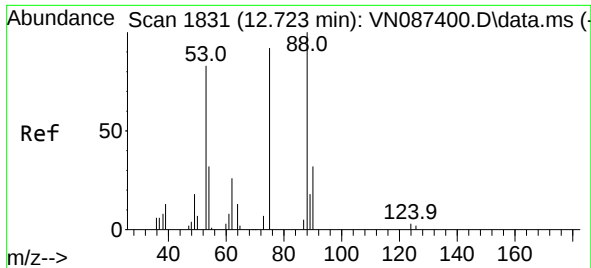
Supervised By :Mahesh
Dadoda
07/24/2025



#76
1,3,5-Trimethylbenzene
Concen: 56.822 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

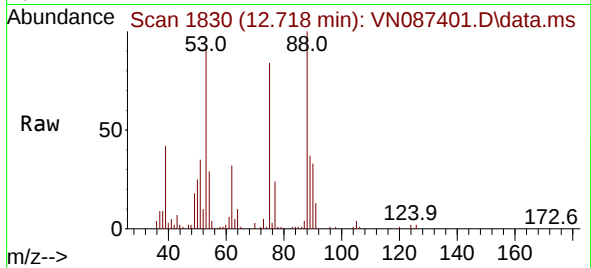
Tgt Ion:105 Resp: 380750
Ion Ratio Lower Upper
105 100
120 49.7 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 54.578 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

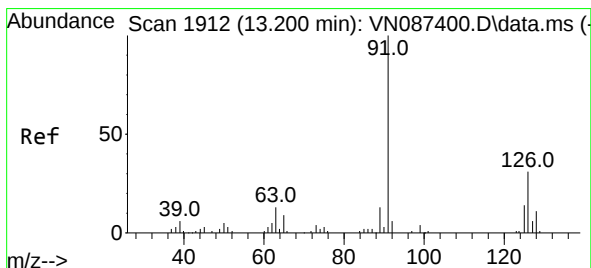
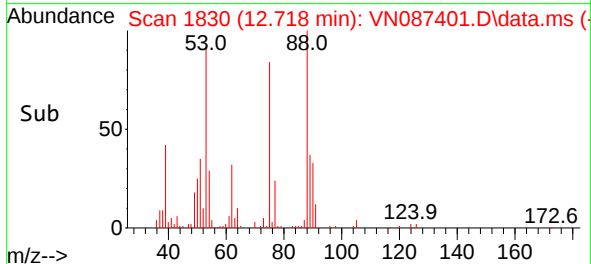
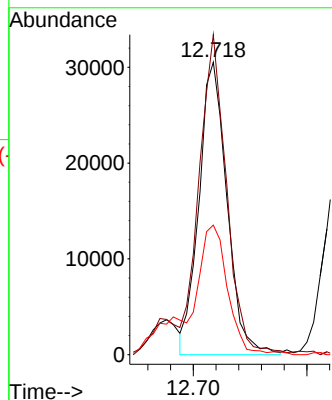


Tgt Ion: 75 Resp: 52374
Ion Ratio Lower Upper
75 100
53 108.9 44.0 131.8
89 43.7 17.0 50.9

Manual Integrations
APPROVED

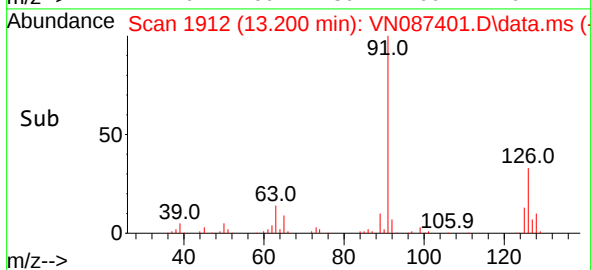
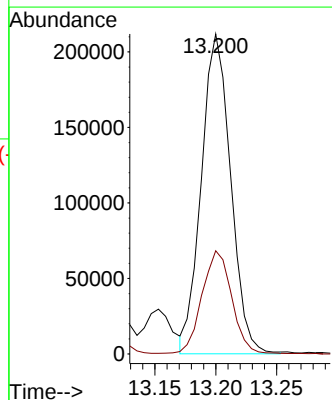
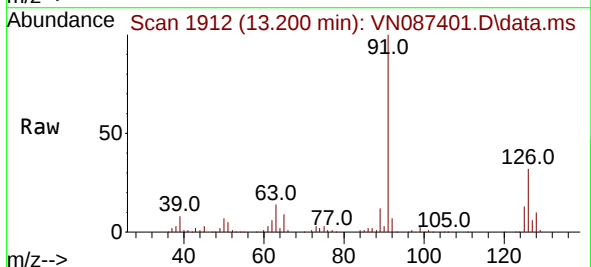
Reviewed By :John
Carlone
07/24/2025

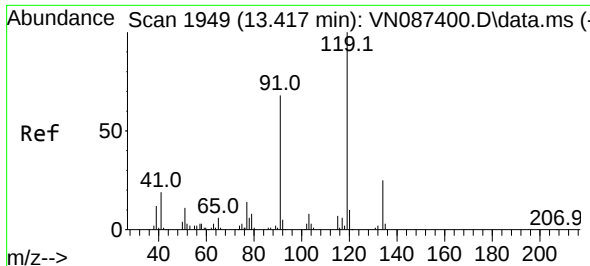
Supervised By :Mahesh
Dadoda
07/24/2025



#78
4-Chlorotoluene
Concen: 56.983 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

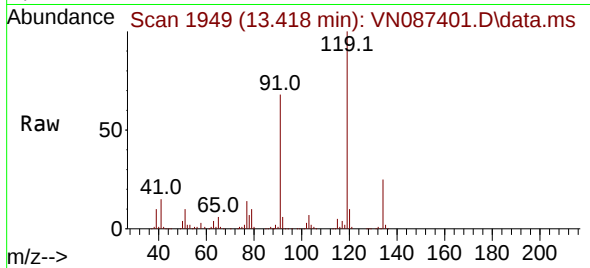
Tgt Ion: 91 Resp: 355261
Ion Ratio Lower Upper
91 100
126 32.4 0.0 66.6





#79
tert-butylbenzene
Concen: 57.238 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

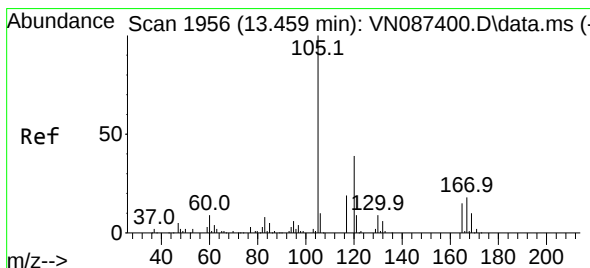
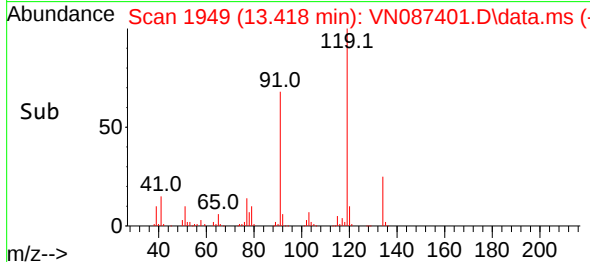
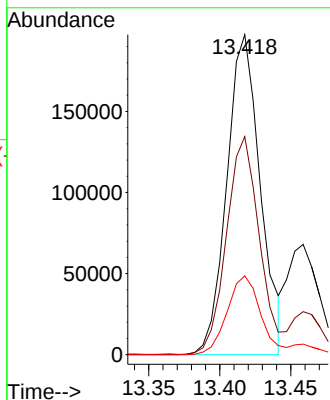


Tgt Ion:119 Resp: 323348
Ion Ratio Lower Upper
119 100
91 66.3 0.0 134.8
134 24.7 0.0 52.0

Manual Integrations
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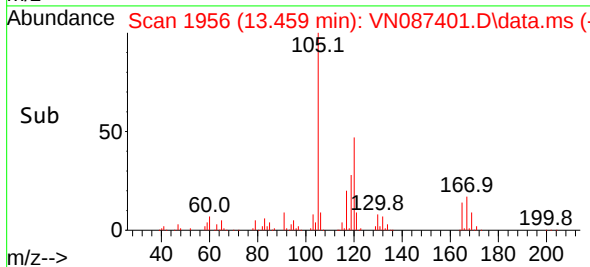
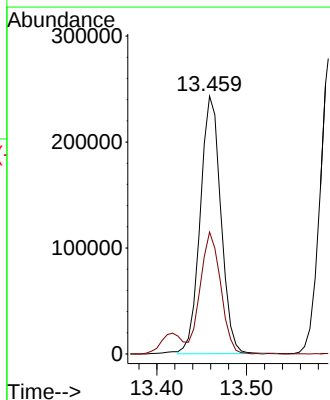
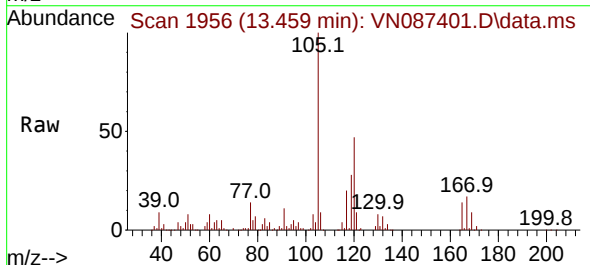
Reviewed By :John
Carlone
07/24/2025

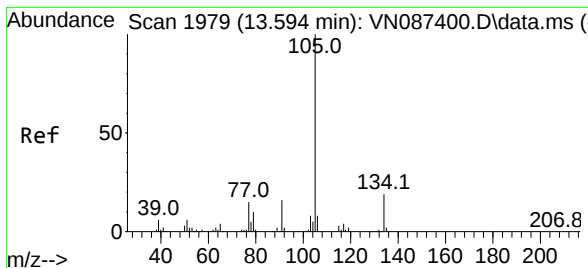
Supervised By :Mahesh
Dadoda
07/24/2025



#80
1,2,4-Trimethylbenzene
Concen: 56.600 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

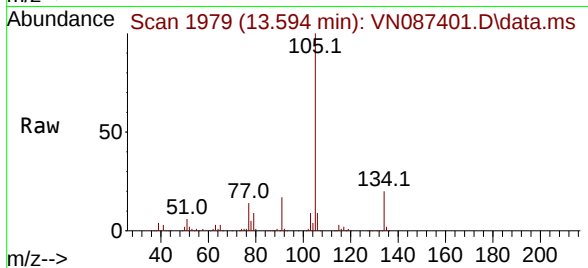
Tgt Ion:105 Resp: 388201
Ion Ratio Lower Upper
105 100
120 46.3 0.0 93.6





#81
 sec-Butylbenzene
 Concen: 58.026 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

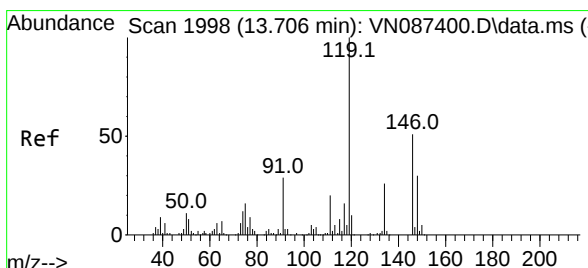
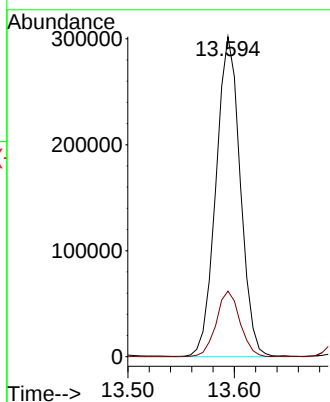


Tgt Ion:105 Resp: 478249
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.6

Manual Integrations
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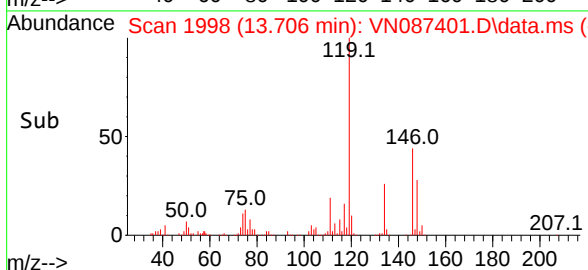
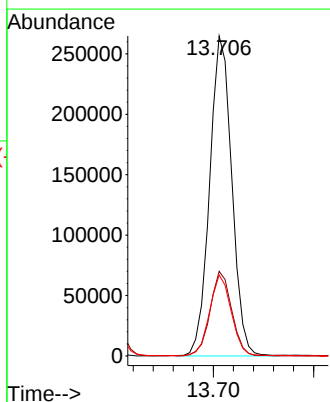
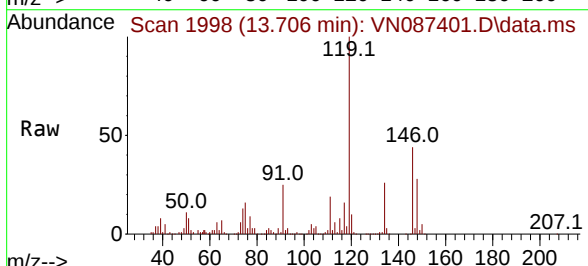
Reviewed By :John
 Carlone
 07/24/2025

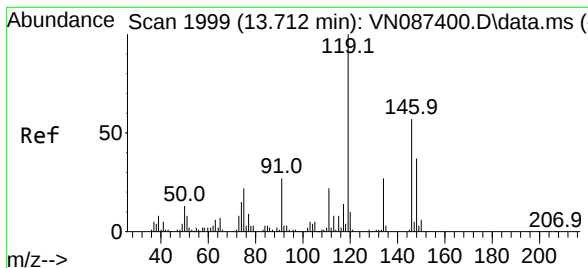
Supervised By :Mahesh
 Dadoda
 07/24/2025



#82
 p-Isopropyltoluene
 Concen: 57.620 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087401.D
 Acq: 23 Jul 2025 10:50

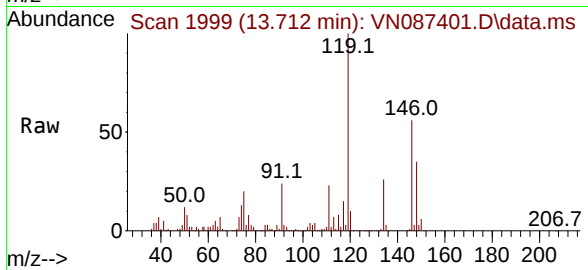
Tgt Ion:119 Resp: 406637
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.8
 91 24.6 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 55.775 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

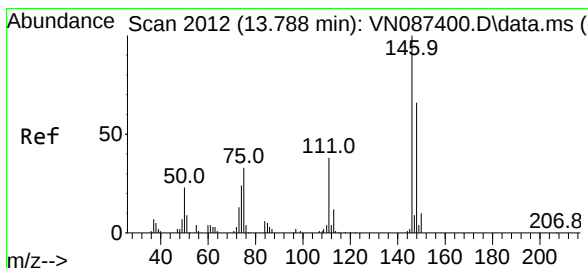
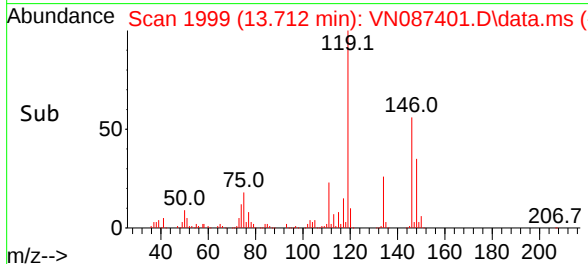
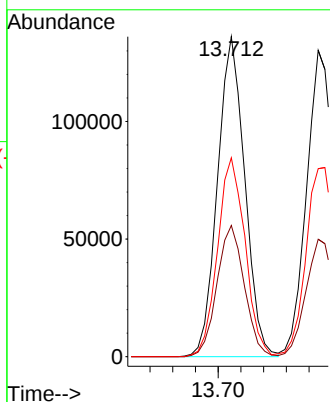


Tgt Ion:146 Resp: 227209
Ion Ratio Lower Upper
146 100
111 41.1 20.2 60.6
148 62.6 31.7 95.1

Manual Integrations
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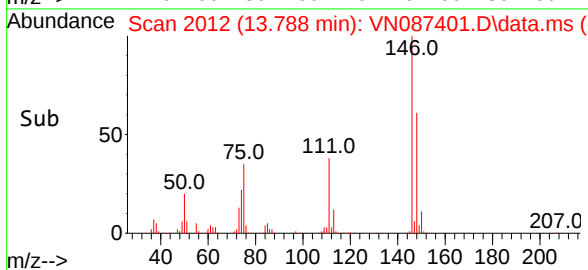
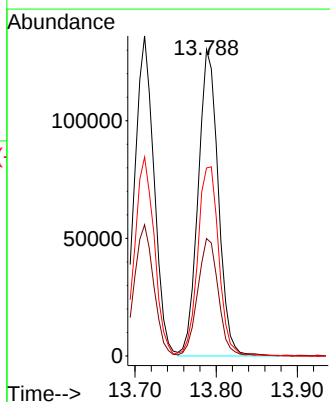
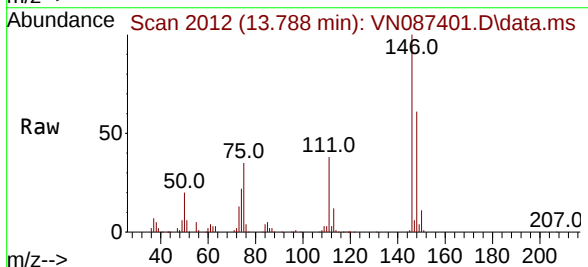
Reviewed By :John
Carlone
07/24/2025

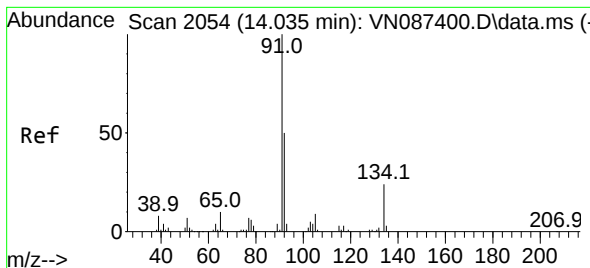
Supervised By :Mahesh
Dadoda
07/24/2025



#84
1,4-Dichlorobenzene
Concen: 55.809 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

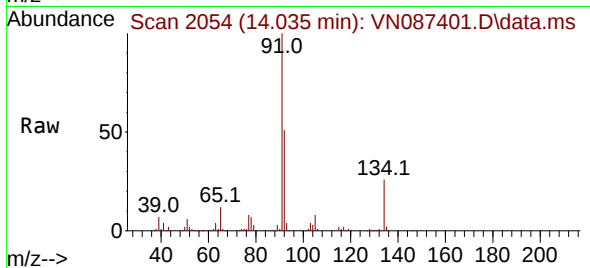
Tgt Ion:146 Resp: 224690
Ion Ratio Lower Upper
146 100
111 39.2 19.4 58.1
148 63.4 32.4 97.2





#85
n-Butylbenzene
Concen: 58.545 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

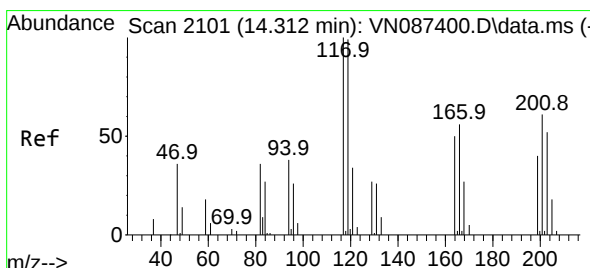
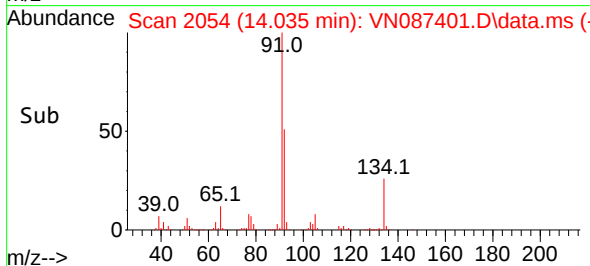
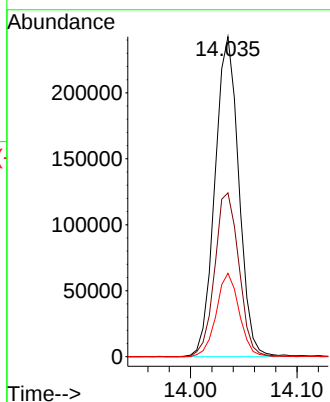


Tgt Ion: 91 Resp: 377394
Ion Ratio Lower Upper
91 100
92 52.0 0.0 101.4
134 25.0 0.0 48.6

Manual Integrations
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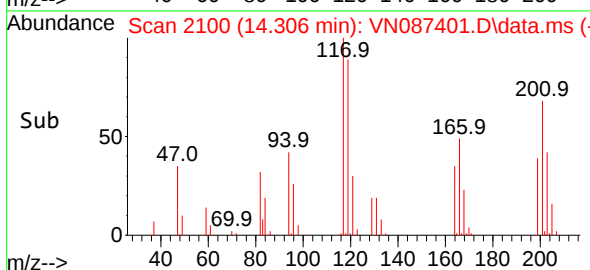
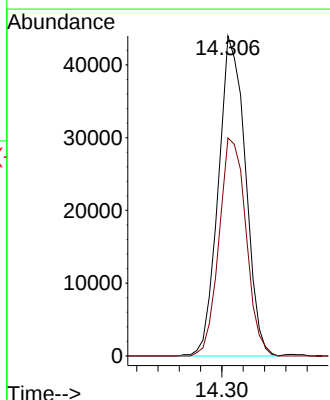
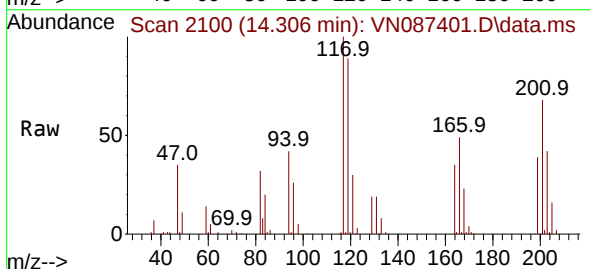
Reviewed By :John
Carlone
07/24/2025

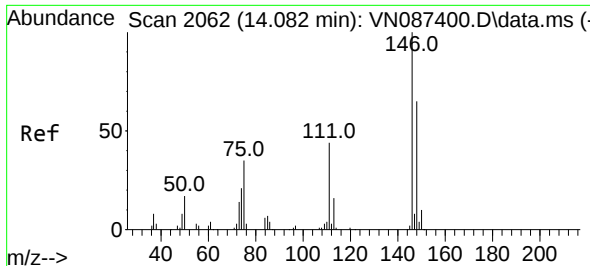
Supervised By :Mahesh
Dadoda
07/24/2025



#86
Hexachloroethane
Concen: 55.715 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

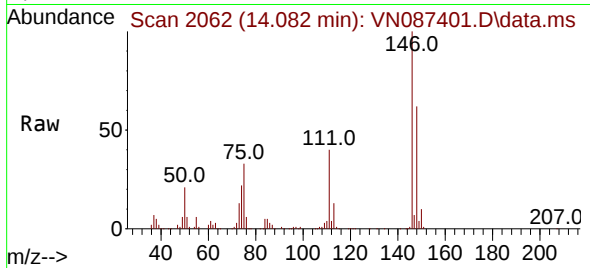
Tgt Ion:117 Resp: 77330
Ion Ratio Lower Upper
117 100
201 68.1 34.2 102.5





#87
1,2-Dichlorobenzene
Concen: 55.182 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

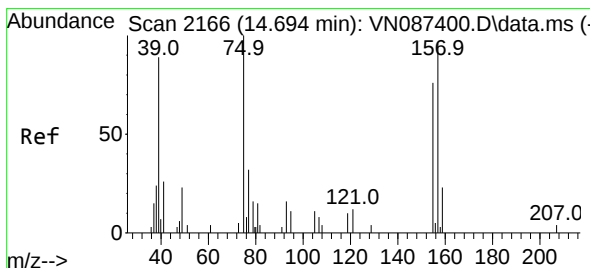
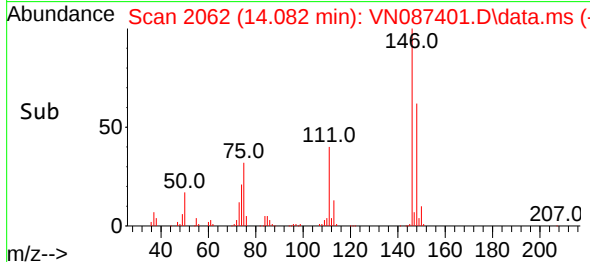
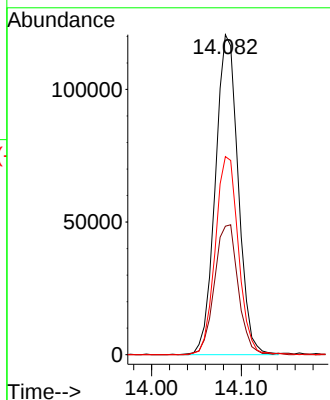


Tgt Ion:146 Resp: 213234
Ion Ratio Lower Upper
146 100
111 42.2 21.9 65.8
148 62.6 31.2 93.6

Manual Integrations
APPROVED

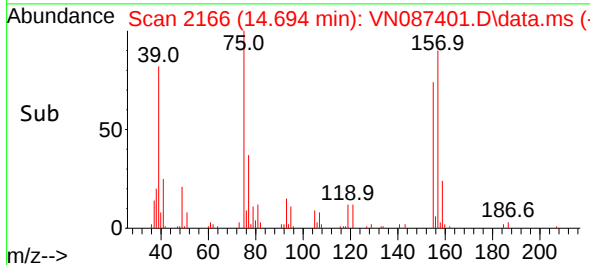
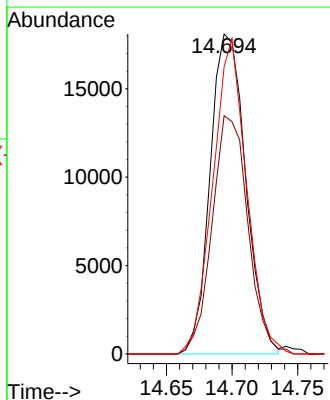
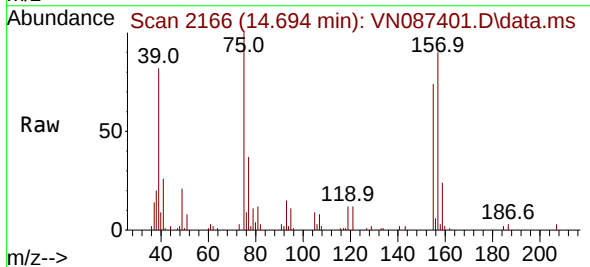
Reviewed By :John
Carlone
07/24/2025

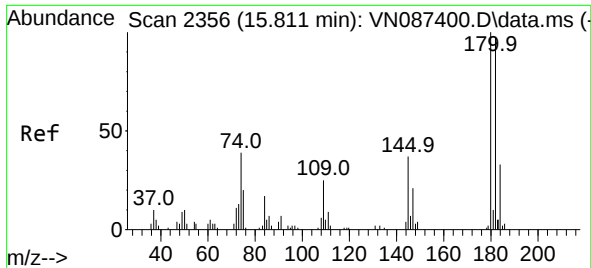
Supervised By :Mahesh
Dadoda
07/24/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 54.363 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

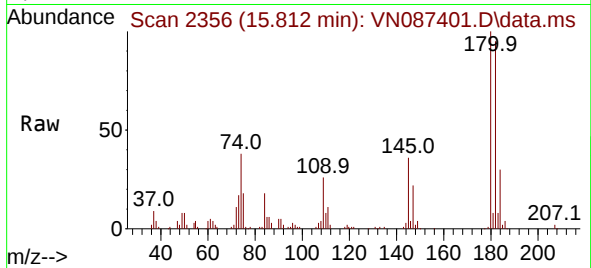
Tgt Ion: 75 Resp: 34102
Ion Ratio Lower Upper
75 100
155 74.9 61.3 91.9
157 93.5 85.5 128.3





#89
1,2,4-Trichlorobenzene
Concen: 52.752 ug/l
RT: 15.812 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

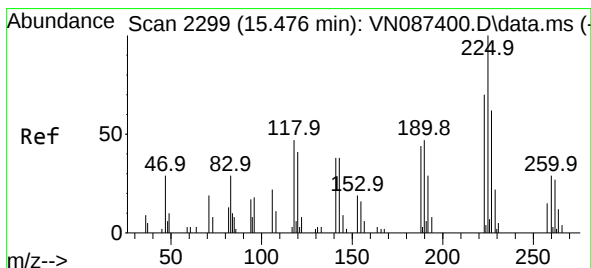
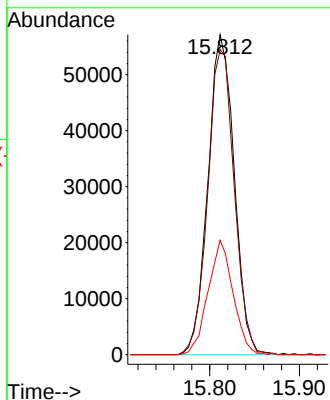
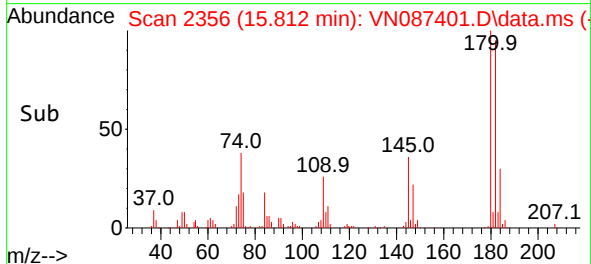


Tgt Ion:180 Resp: 116269
Ion Ratio Lower Upper
180 100
182 95.8 74.2 111.2
145 34.0 29.3 43.9

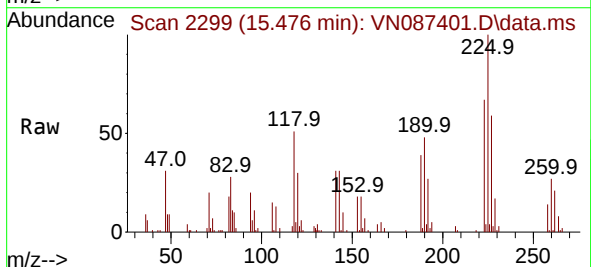
Manual Integrations
APPROVED

Reviewed By :John
Carlone
07/24/2025

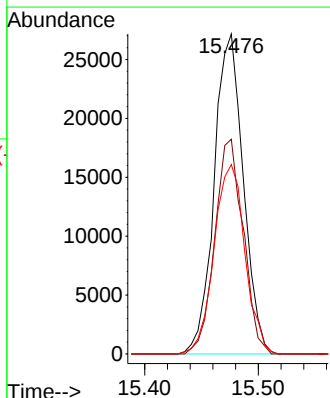
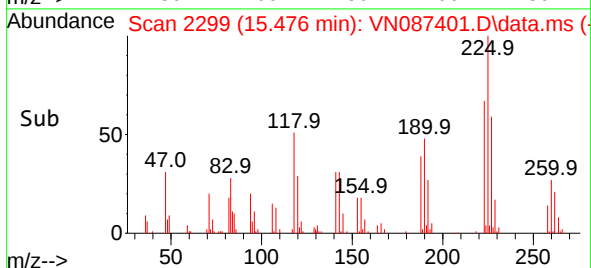
Supervised By :Mahesh
Dadoda
07/24/2025

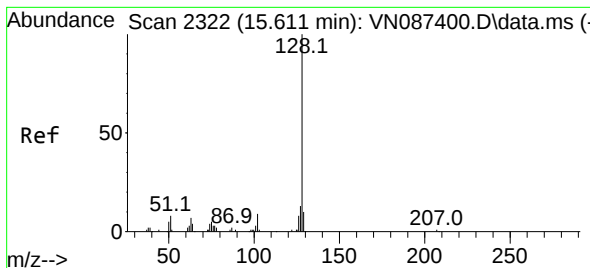


#90
Hexachlorobutadiene
Concen: 53.046 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50



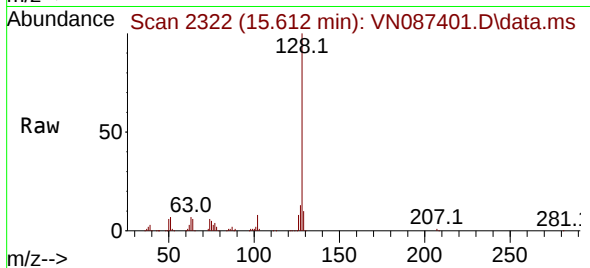
Tgt Ion:225 Resp: 48352
Ion Ratio Lower Upper
225 100
223 65.5 0.0 125.2
227 62.8 0.0 122.4





#91
Naphthalene
Concen: 55.978 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

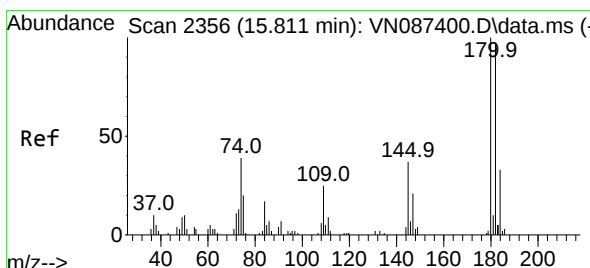
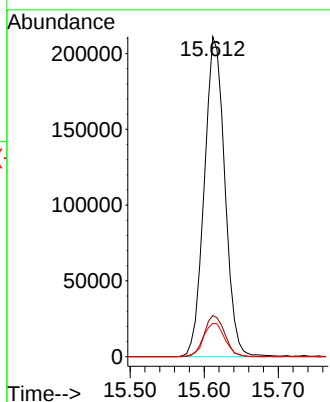
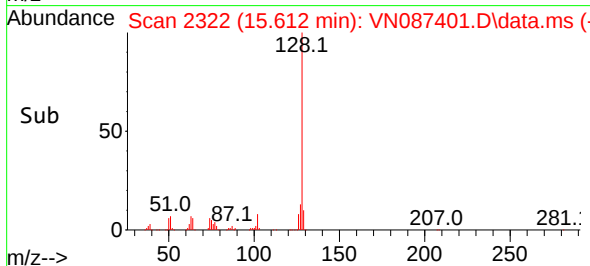


Tgt Ion:128 Resp: 40631
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.8 9.0 13.4

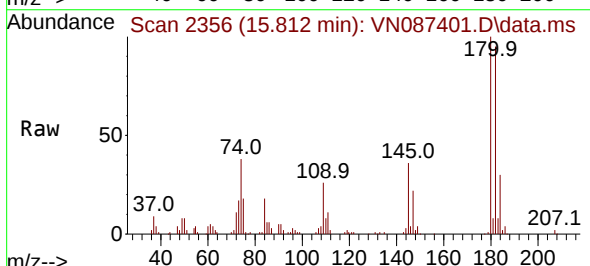
Manual Integrations
APPROVED

Reviewed By :John
Carlone
07/24/2025

Supervised By :Mahesh
Dadoda
07/24/2025



#92
1,2,3-Trichlorobenzene
Concen: 52.752 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087401.D
Acq: 23 Jul 2025 10:50



Tgt Ion:180 Resp: 116269
Ion Ratio Lower Upper
180 100
182 95.8 0.0 185.4
145 34.0 0.0 73.2

