

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087454.D
 Acq On : 05 Aug 2025 14:19
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 06 01:28:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 01:24:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	76249	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	418905	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	385657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	211654	30.095	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.829	95	201264	30.325	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.067%			
63) Toluene-d8	10.547	98	534559	30.124	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	234078	47.020	ug/l	97
3) Chloromethane	2.383	50	229410	44.915	ug/l	98
4) Vinyl Chloride	2.542	62	242082	44.687	ug/l	93
5) Bromomethane	2.977	94	136035	46.393	ug/l	84
6) Chloroethane	3.136	64	153939	44.067	ug/l	98
7) Trichlorofluoromethane	3.506	101	344998	44.251	ug/l	96
8) Diethyl Ether	3.959	74	147110	45.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	176341	44.354	ug/l	88
10) 1,1-Dichloroethene	4.336	96	182951	43.809	ug/l	94
11) Methyl Iodide	4.577	142	154678	47.274	ug/l	99
12) Methyl Acetate	5.012	43	351071	45.556	ug/l	98
13) Acrolein	4.177	56	262498	223.074	ug/l	96
14) Acrylonitrile	5.706	53	757874	225.213	ug/l	100
15) Acetone	4.424	58	212947	221.472	ug/l	95
16) Carbon Disulfide	4.700	76	576164	44.477	ug/l	98
17) Allyl chloride	5.012	41	392451	46.106	ug/l	97
18) Methylene Chloride	5.265	84	239778	44.610	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	219724	44.245	ug/l	98
20) Diisopropyl ether	6.659	45	877578	45.278	ug/l	96
21) 1,1-Dichloroethane	6.553	63	453264	45.221	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	273116	44.697	ug/l	99
23) tert-Butyl Alcohol	5.518	59	323387	226.154	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	859723	45.179	ug/l	99
25) Chloroform	7.947	83	475045	45.405	ug/l	98
26) Cyclohexane	8.241	56	361178	45.006	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	310679	45.472	ug/l	97
30) 2-Butanone	7.471	43	1165660	231.454	ug/l	99
31) 2,2-Dichloropropane	7.471	77	402451	45.671	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	398348	45.714	ug/l	97
33) Carbon Tetrachloride	8.347	117	330997	45.723	ug/l	98
34) Benzene	8.588	78	984335	45.639	ug/l	99
35) Methacrylonitrile	7.765	41	260104	47.860	ug/l	99
36) 1,2-Dichloroethane	8.653	62	393795	45.169	ug/l	98
37) Trichloroethene	9.335	130	217082	45.693	ug/l	95
38) Methylcyclohexane	9.582	83	357253	45.072	ug/l	99
39) 1,2-Dichloropropane	9.600	63	249627	45.142	ug/l	97
40) Dibromomethane	9.688	93	187857	45.278	ug/l	97
41) Bromodichloromethane	9.871	83	391953	45.463	ug/l	98
42) Vinyl Acetate	6.589	43	3796699	228.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	436753	45.558	ug/l	96
44) Isopropyl Acetate	8.677	43	755567	45.813	ug/l	99
45) 1,4-Dioxane	9.682	88	98035	932.433	ug/l	97
46) Methyl methacrylate	9.665	41	351323	45.128	ug/l	98
47) n-amyl Acetate	12.494	43	399157m	48.133	ug/l	
48) t-1,3-Dichloropropene	10.818	75	431587	46.014	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	439121	46.521	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	240010	45.786	ug/l	98
51) Ethyl methacrylate	10.853	69	435415	47.164	ug/l	97
52) 1,3-Dichloropropane	11.141	76	433869	45.941	ug/l	98
53) Dibromochloromethane	11.335	129	280542	46.341	ug/l	100
54) 1,2-Dibromoethane	11.447	107	254243	45.688	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	1118997	230.244	ug/l	100
56) Bromoform	12.559	173	186820	46.656	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	2290380	230.864	ug/l	99
59) 2-Hexanone	11.177	43	1620747	240.439	ug/l	100
61) Tetrachloroethene	11.082	164	173500	46.177	ug/l	93
62) Toluene	10.612	91	1085878	45.620	ug/l	99
64) Chlorobenzene	11.871	112	662306	45.283	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	233942	45.493	ug/l	98
66) Ethyl Benzene	11.941	91	1215937	45.832	ug/l	98
67) m/p-Xylenes	12.047	106	902756	92.702	ug/l	97
68) o-Xylene	12.376	106	437515	45.667	ug/l	99
69) Styrene	12.388	104	759493	46.428	ug/l	99
70) Isopropylbenzene	12.676	105	1111500	45.666	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	379527	45.508	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	374092m	43.638	ug/l	
73) Bromobenzene	12.959	156	255773	45.330	ug/l	99
74) n-propylbenzene	13.012	91	1391658	45.781	ug/l	99
75) 2-Chlorotoluene	13.106	91	853763	45.659	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	961117	46.118	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	141496	48.111	ug/l	93
78) 4-Chlorotoluene	13.200	91	875292	46.192	ug/l	99
79) tert-butylbenzene	13.418	119	813723	46.311	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	971243	46.640	ug/l	100
81) sec-Butylbenzene	13.594	105	1188558	46.465	ug/l	100
82) p-Isopropyltoluene	13.706	119	982310	46.251	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	499720	46.509	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	507658	46.603	ug/l	99
85) n-Butylbenzene	14.035	91	972192	46.785	ug/l	99
86) Hexachloroethane	14.312	117	192686	46.458	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	482093	47.005	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	95570	45.236	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	279770	45.643	ug/l	99
90) Hexachlorobutadiene	15.476	225	106360	44.624	ug/l	97
91) Naphthalene	15.611	128	1076915	46.078	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	279770	45.643	ug/l	99

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



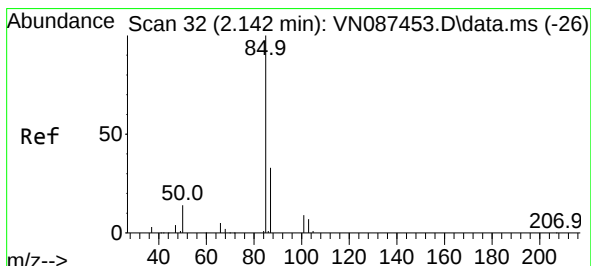
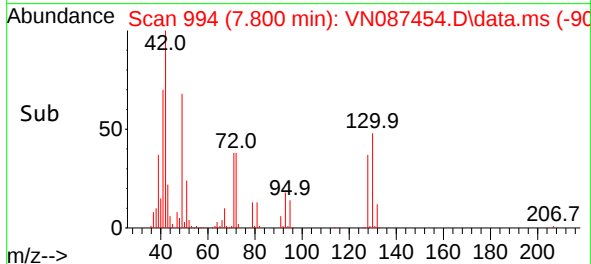
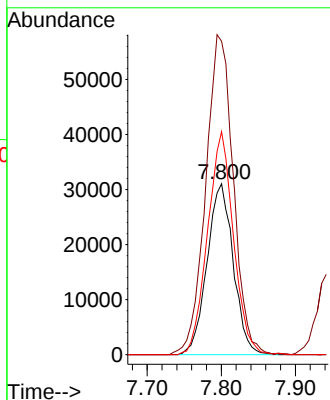
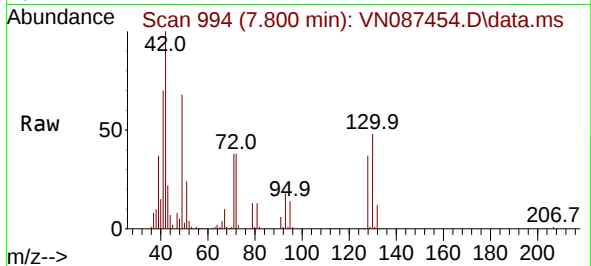
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 76249
Ion Ratio Lower Upper
128 100
49 197.4 0.0 494.8
130 128.9 0.0 321.5

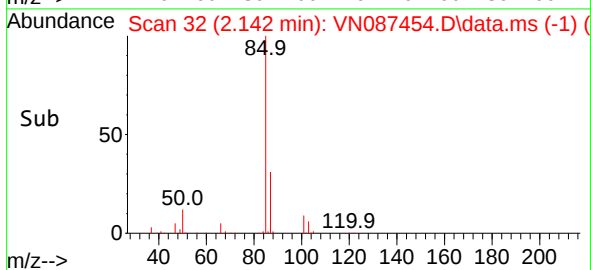
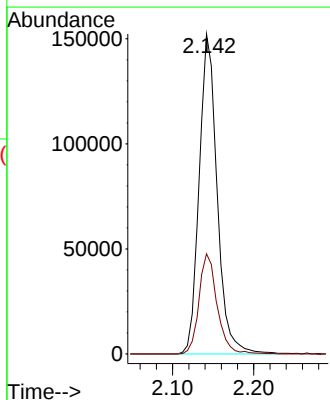
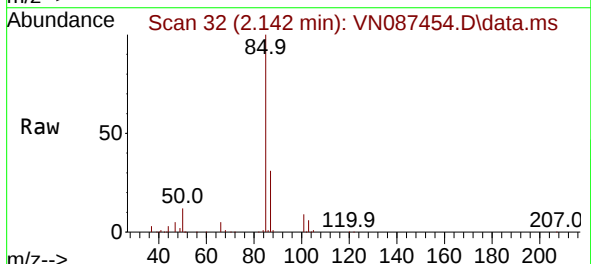
Manual Integrations
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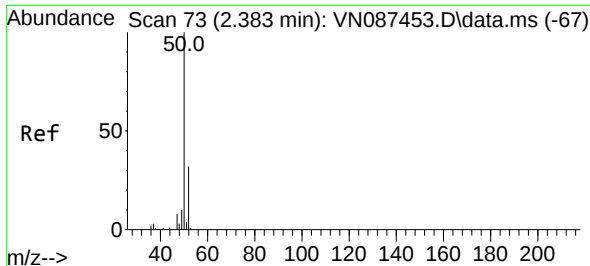
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#2
Dichlorodifluoromethane
Concen: 47.020 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

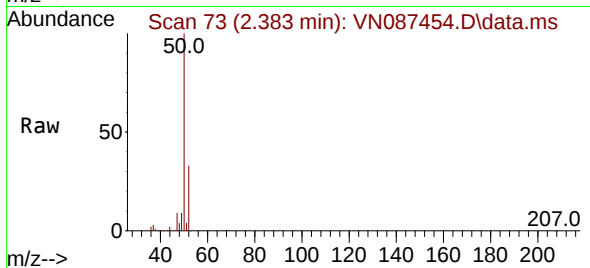
Tgt Ion: 85 Resp: 234078
Ion Ratio Lower Upper
85 100
87 31.3 16.4 49.2





#3
Chloromethane
Concen: 44.915 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

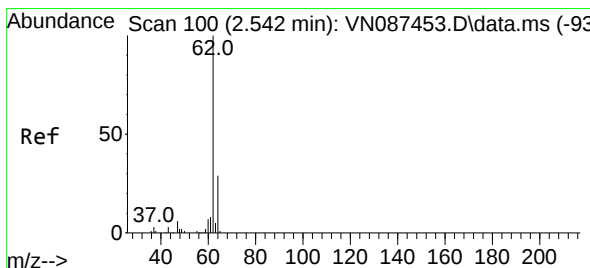
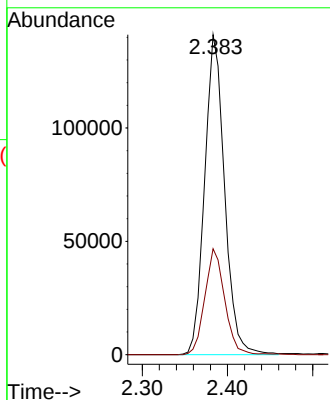
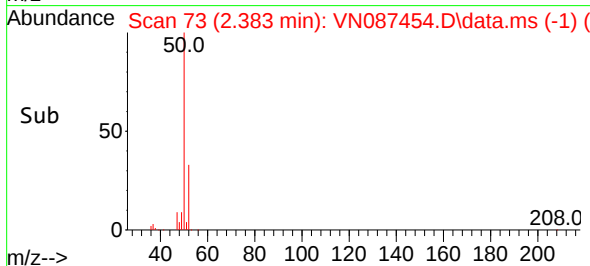
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 50 Resp: 229410
Ion Ratio Lower Upper
50 100
52 33.1 25.8 38.6

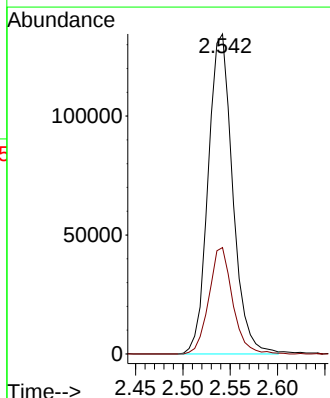
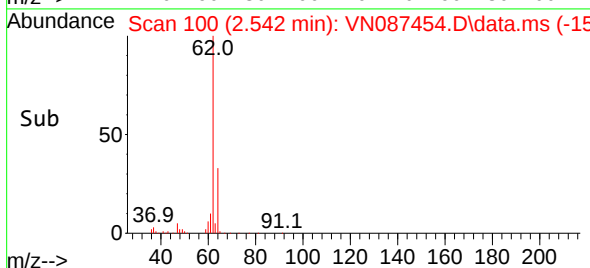
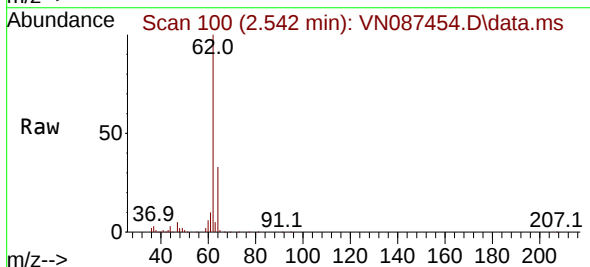
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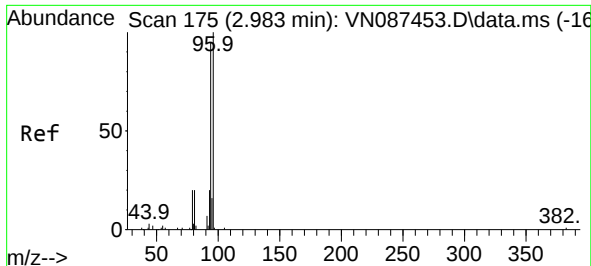
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#4
Vinyl Chloride
Concen: 44.687 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

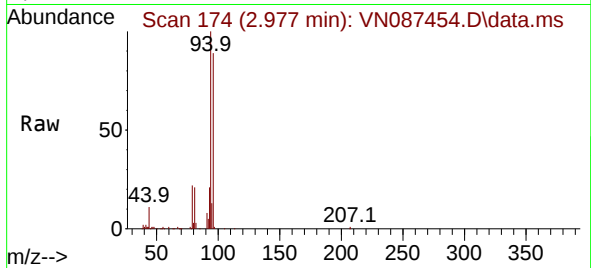
Tgt Ion: 62 Resp: 242082
Ion Ratio Lower Upper
62 100
64 33.3 23.4 35.2





#5
Bromomethane
Concen: 46.393 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

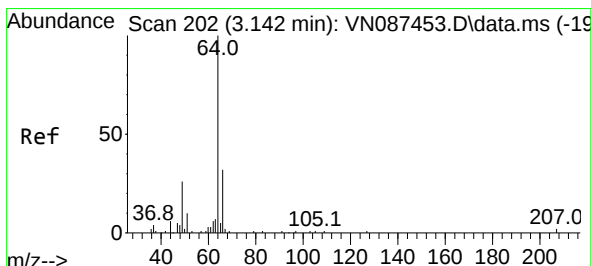
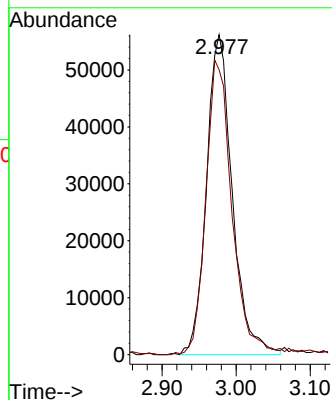
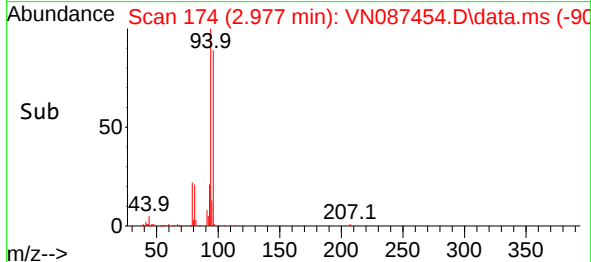
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 94 Resp: 13603
Ion Ratio Lower Upper
94 100
96 88.7 84.2 126.4

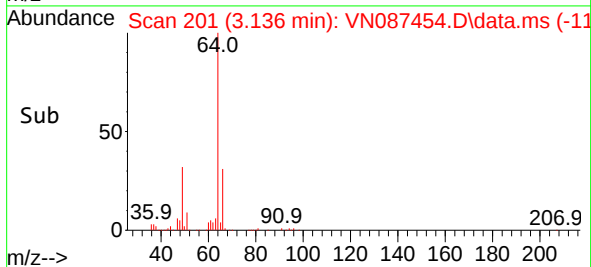
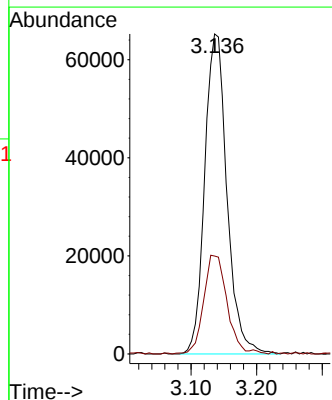
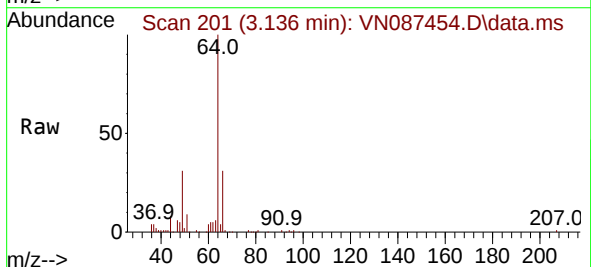
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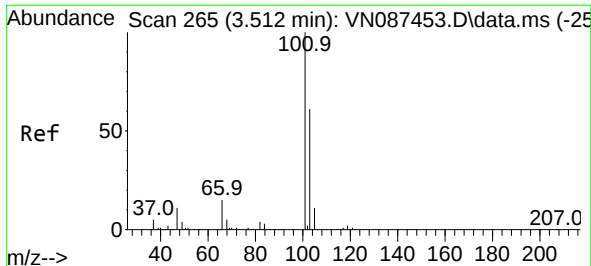
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#6
Chloroethane
Concen: 44.067 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

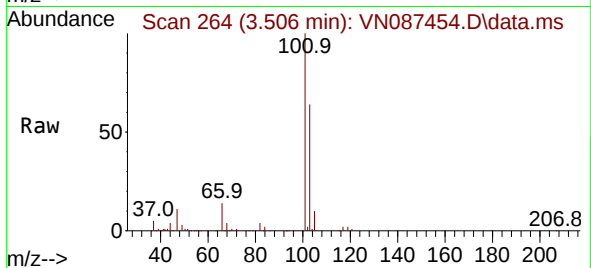
Tgt Ion: 64 Resp: 153939
Ion Ratio Lower Upper
64 100
66 30.3 25.4 38.0





#7
 Trichlorofluoromethane
 Concen: 44.251 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

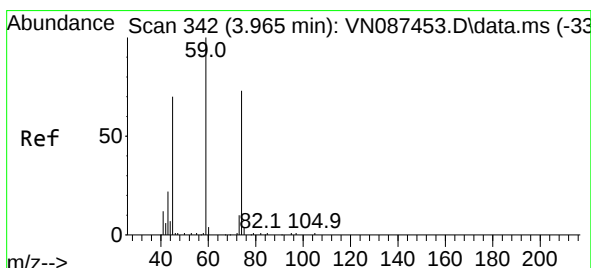
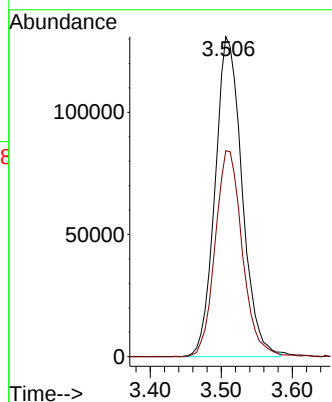
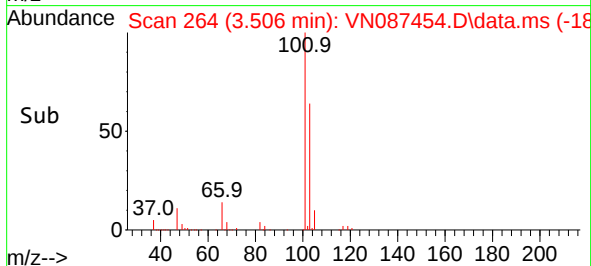
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion:101 Resp: 344998
 Ion Ratio Lower Upper
 101 100
 103 64.3 49.2 73.8

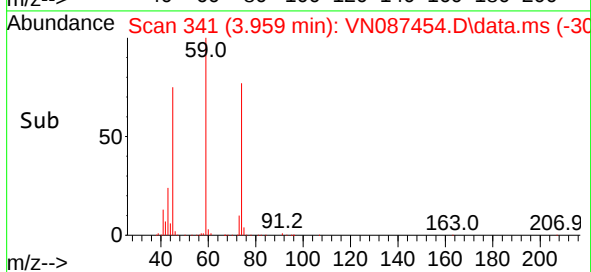
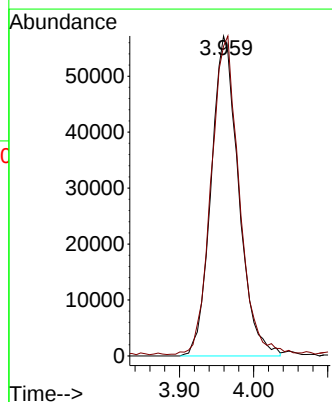
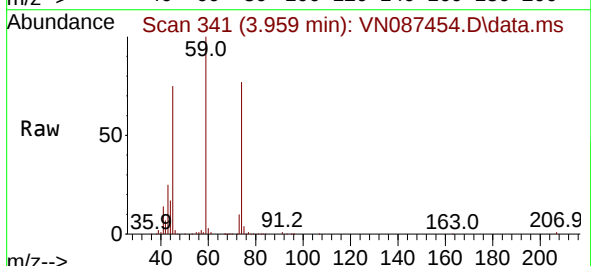
Manual Integrations
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#8
 Diethyl Ether
 Concen: 45.292 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 74 Resp: 147110
 Ion Ratio Lower Upper
 74 100
 45 99.5 20.1 180.9





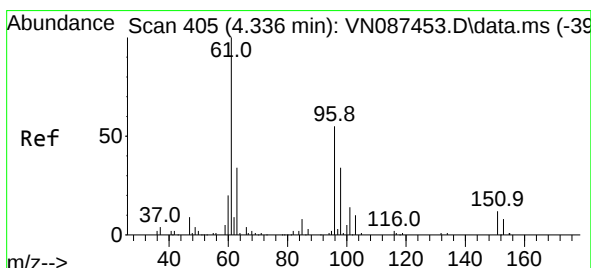
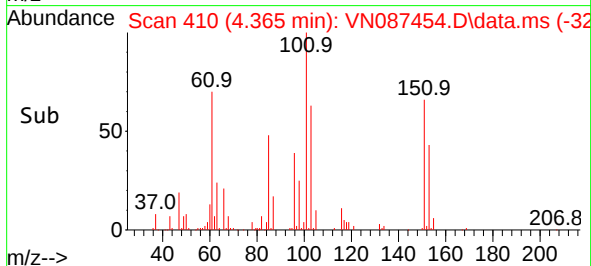
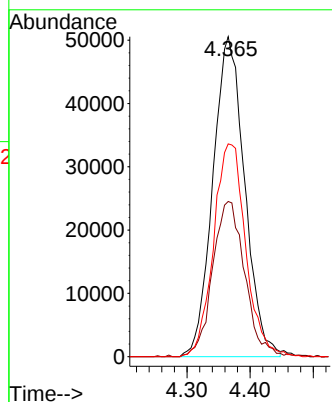
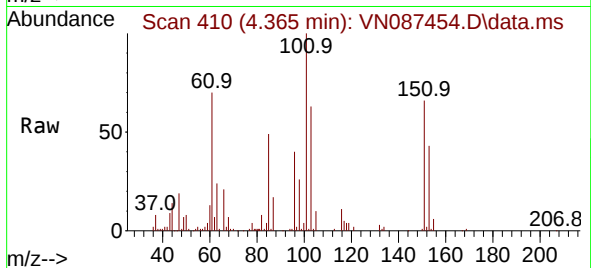
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1,1,2-Trichlorotrifluoroethane
Concen: 44.354 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 17634
Ion Ratio Lower Upper
101 100
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151 67.5 0.0 134.2

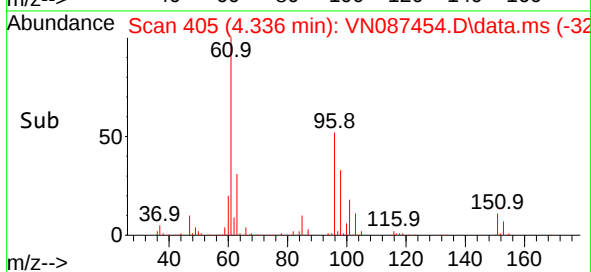
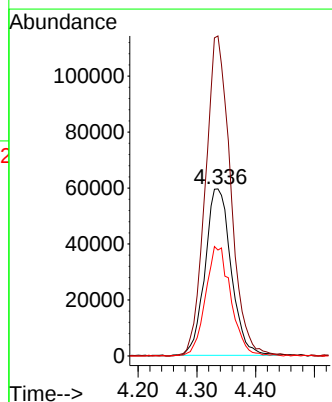
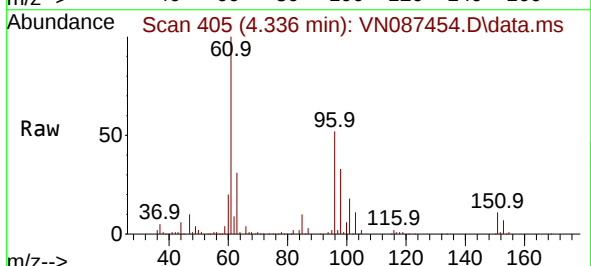
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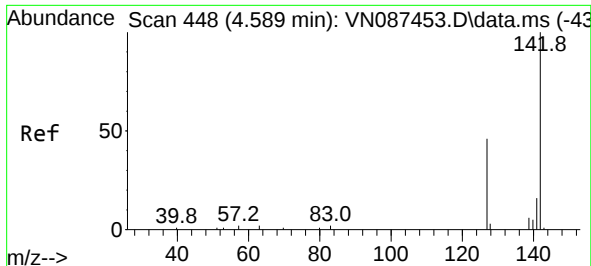
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#10
1,1-Dichloroethene
Concen: 43.809 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

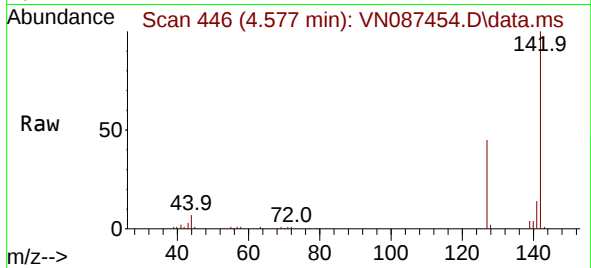
Tgt Ion: 96 Resp: 182951
Ion Ratio Lower Upper
96 100
61 191.2 144.2 216.4
98 63.4 49.7 74.5





#11
Methyl Iodide
Concen: 47.274 ug/l
RT: 4.577 min Scan# 44
Delta R.T. -0.012 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

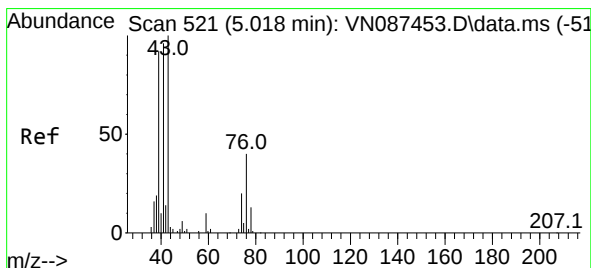
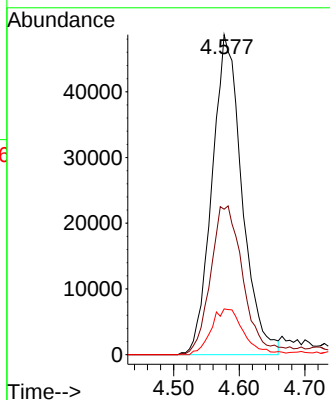
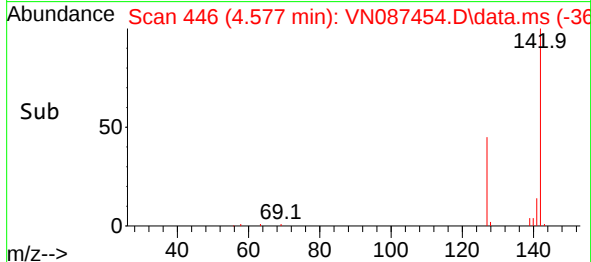
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 154678
Ion Ratio Lower Upper
142 100
127 45.2 22.9 68.7
141 14.1 7.7 23.1

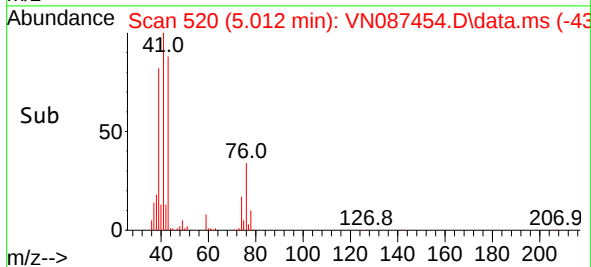
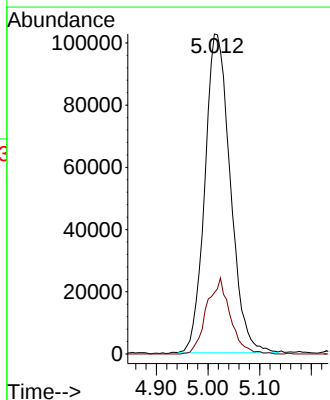
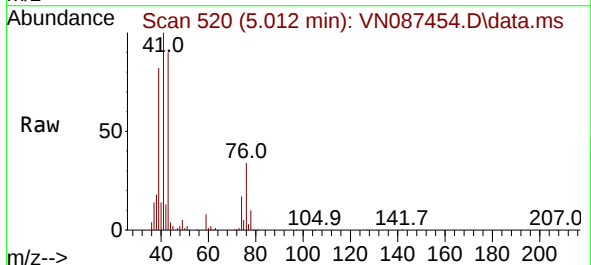
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#12
Methyl Acetate
Concen: 45.556 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

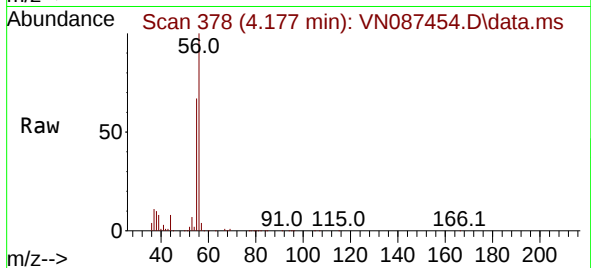
Tgt Ion: 43 Resp: 351071
Ion Ratio Lower Upper
43 100
74 19.2 16.0 24.0





#13
Acrolein
Concen: 223.074 ug/l
RT: 4.177 min Scan# 377
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

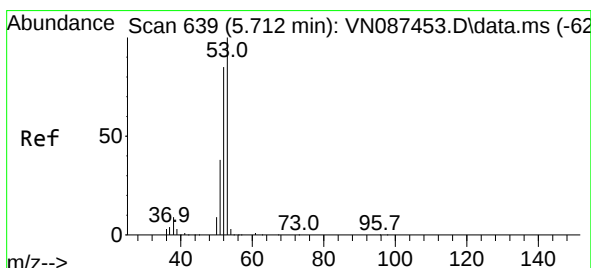
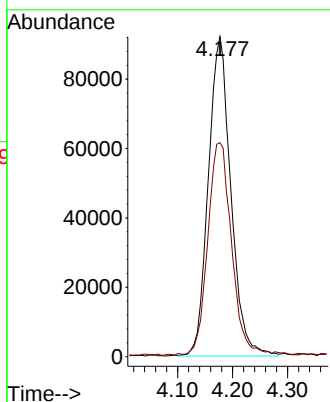
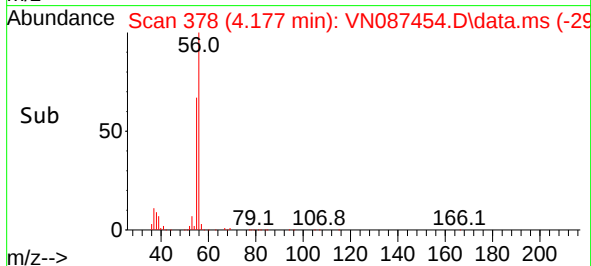
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 56 Resp: 262498
Ion Ratio Lower Upper
56 100
55 68.0 57.4 86.0

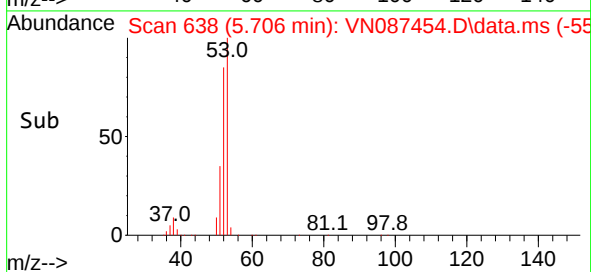
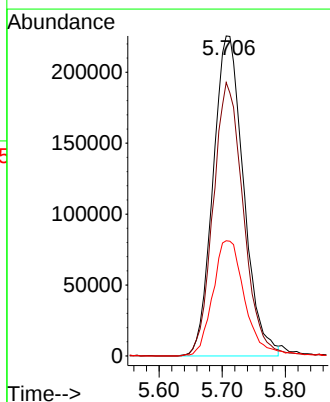
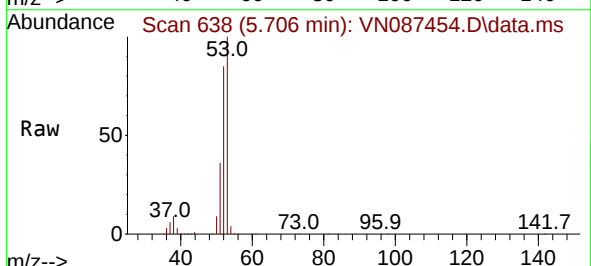
Manual Integrations
APPROVED

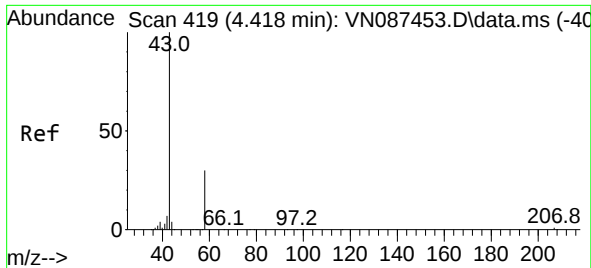
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#14
Acrylonitrile
Concen: 225.213 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

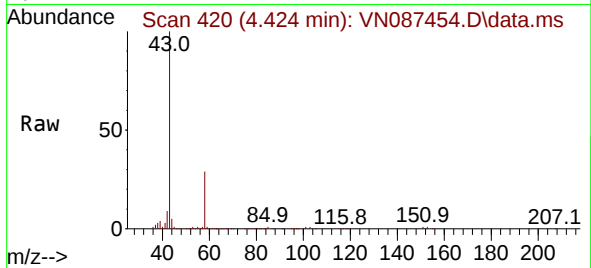
Tgt Ion: 53 Resp: 757874
Ion Ratio Lower Upper
53 100
52 84.5 42.4 127.2
51 37.4 18.5 55.5





#15
Acetone
Concen: 221.472 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

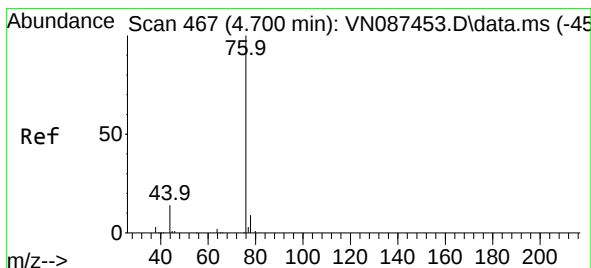
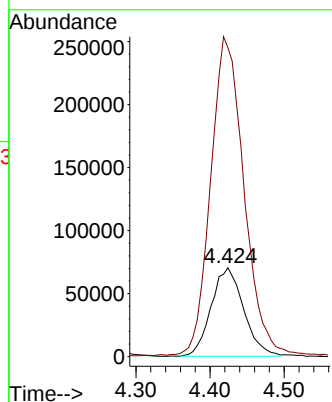
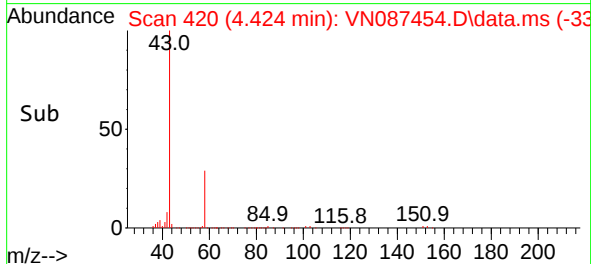
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 58 Resp: 21294
Ion Ratio Lower Upper
58 100
43 345.9 268.9 403.3

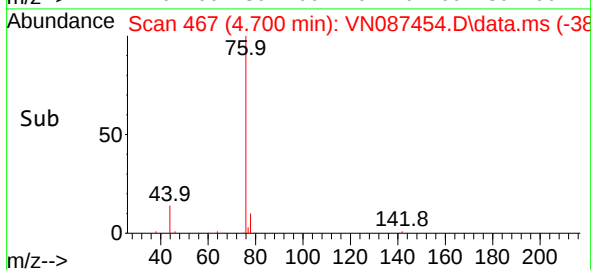
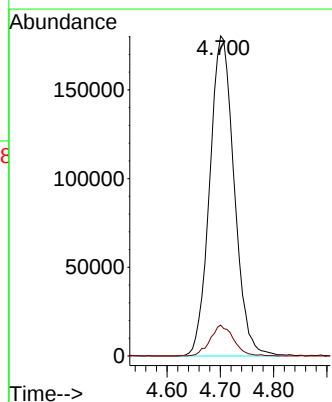
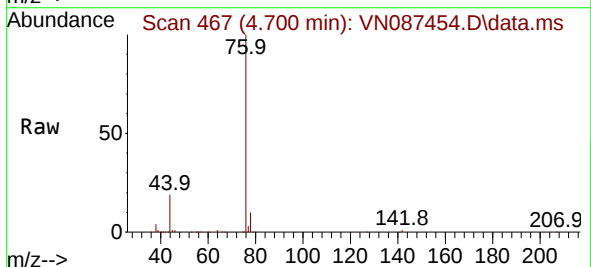
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#16
Carbon Disulfide
Concen: 44.477 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

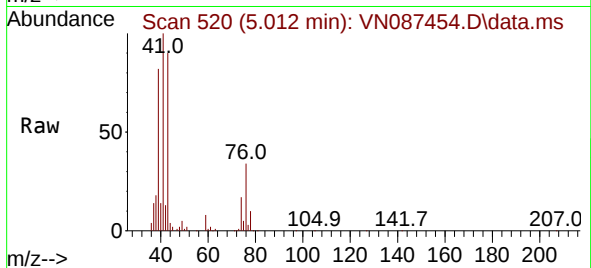
Tgt Ion: 76 Resp: 576164
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7





#17
Allyl chloride
Concen: 46.106 ug/l
RT: 5.012 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

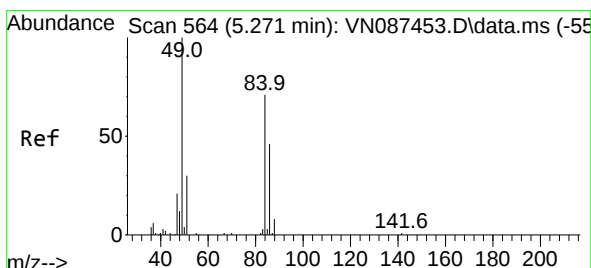
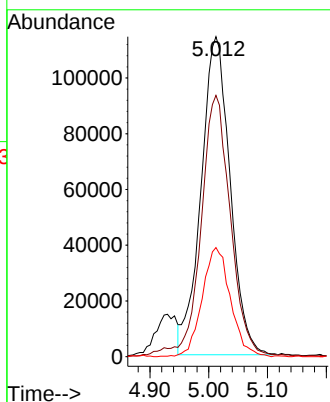
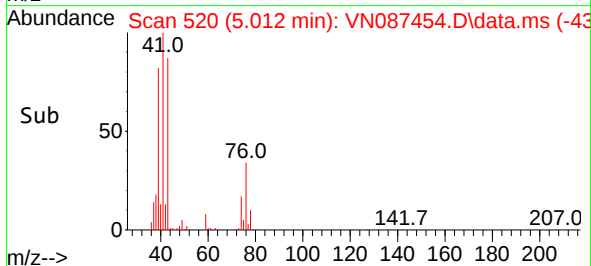
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 41 Resp: 39245
Ion Ratio Lower Upper
41 100
39 81.6 42.4 127.2
76 34.1 16.9 50.6

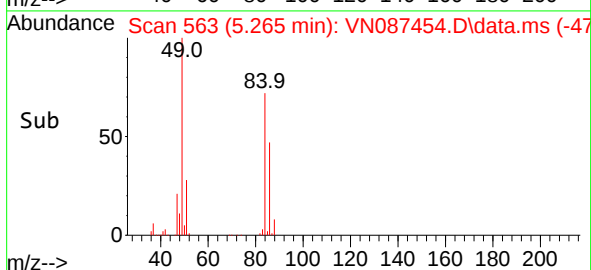
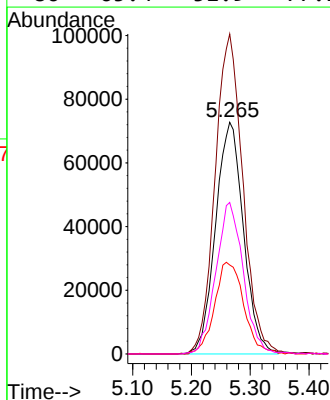
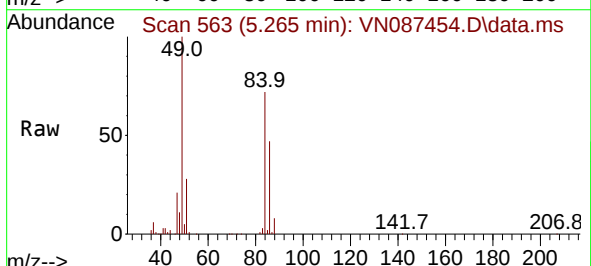
Manual Integrations
APPROVED

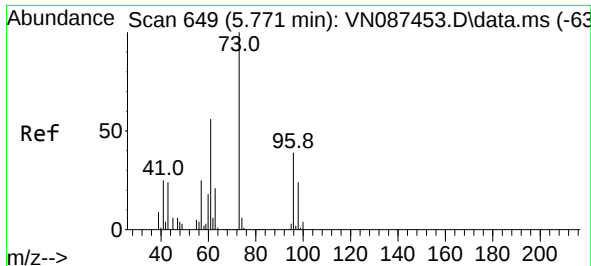
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#18
Methylene Chloride
Concen: 44.610 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

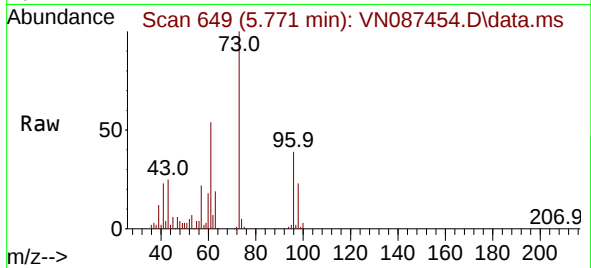
Tgt Ion: 84 Resp: 239778
Ion Ratio Lower Upper
84 100
49 138.1 112.9 169.3
51 38.4 33.8 50.8
86 65.4 51.9 77.9





#19
trans-1,2-Dichloroethene
Concen: 44.245 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

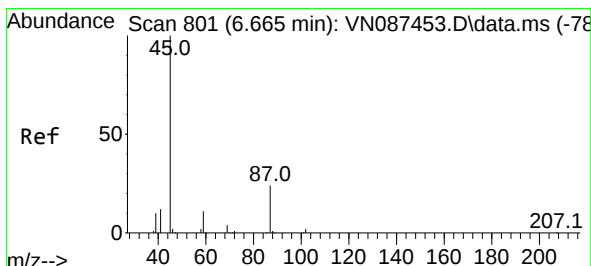
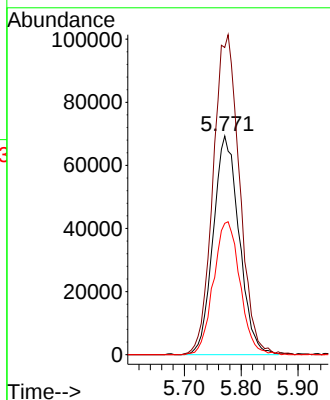
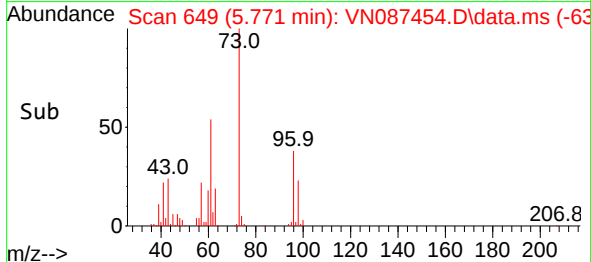
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



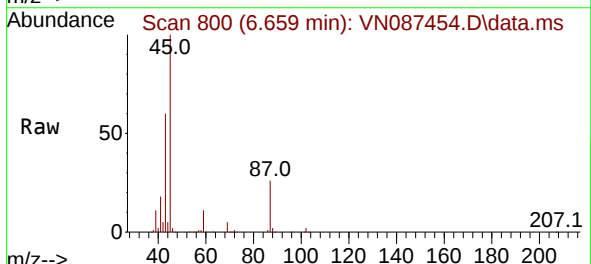
Tgt Ion: 96 Resp: 219724
Ion Ratio Lower Upper
96 100
61 140.4 114.2 171.4
98 60.1 48.7 73.1

Manual Integrations
APPROVED

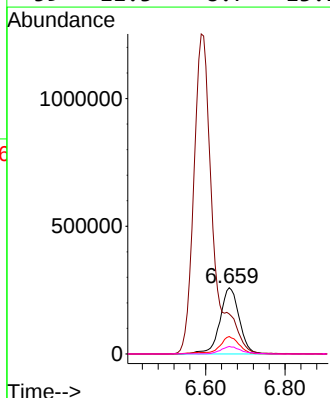
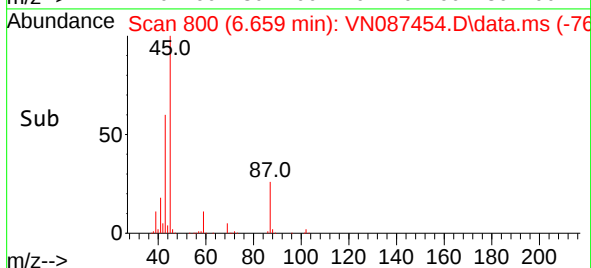
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#20
Diisopropyl ether
Concen: 45.278 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



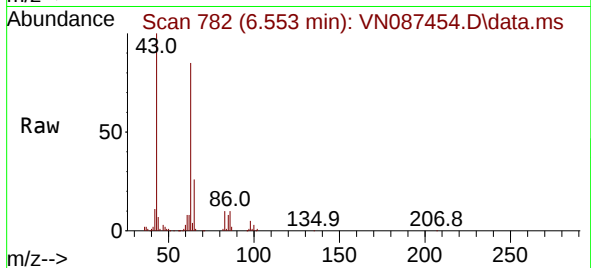
Tgt Ion: 45 Resp: 877578
Ion Ratio Lower Upper
45 100
43 59.5 44.7 67.1
87 26.2 20.2 30.2
59 11.3 8.7 13.1





#21
1,1-Dichloroethane
Concen: 45.221 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

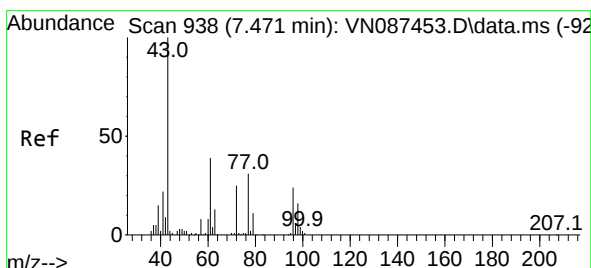
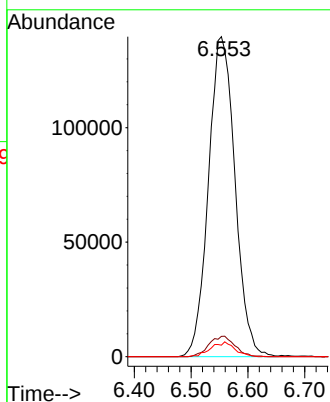
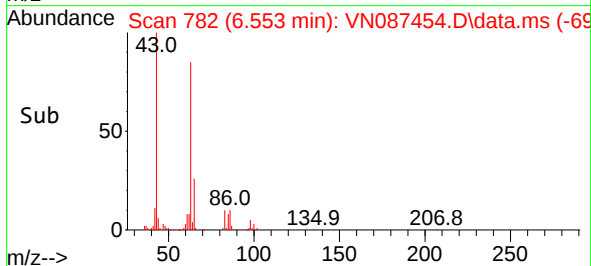
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



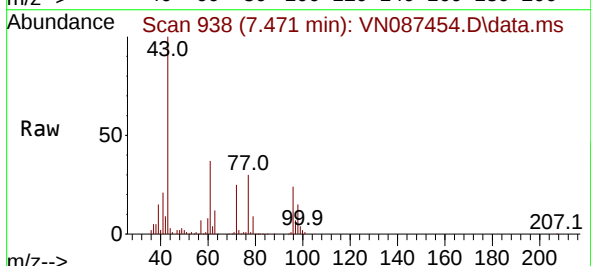
Tgt Ion: 63 Resp: 453264
Ion Ratio Lower Upper
63 100
98 6.3 3.0 9.0
100 3.6 1.9 5.7

Manual Integrations
APPROVED

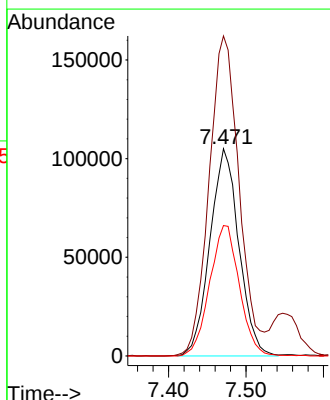
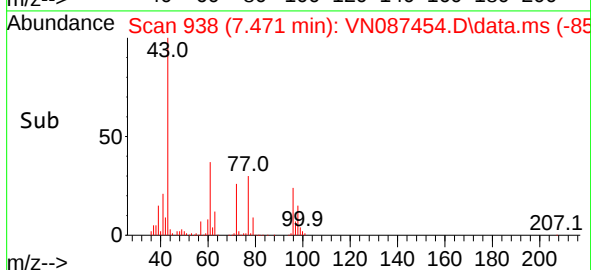
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

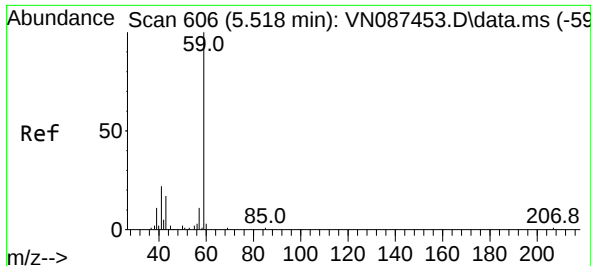


#22
cis-1,2-Dichloroethene
Concen: 44.697 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



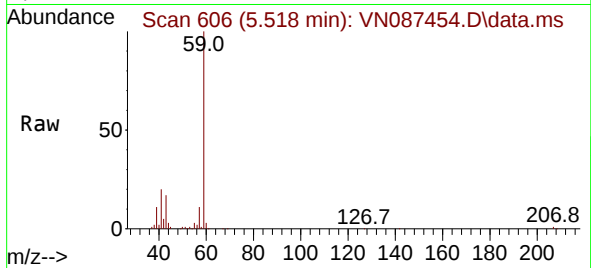
Tgt Ion: 96 Resp: 273116
Ion Ratio Lower Upper
96 100
61 160.2 126.6 190.0
98 64.4 50.9 76.3





#23
tert-Butyl Alcohol
Concen: 226.154 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

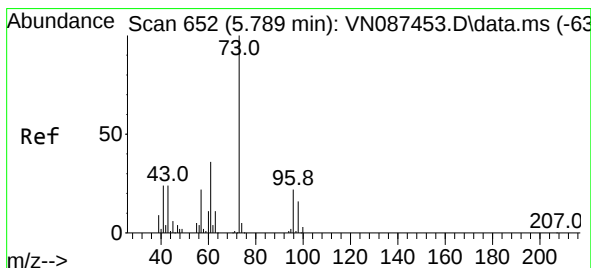
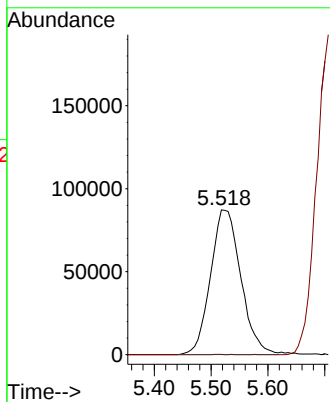
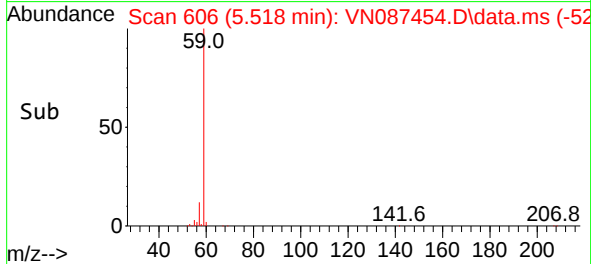
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 59 Resp: 32338
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

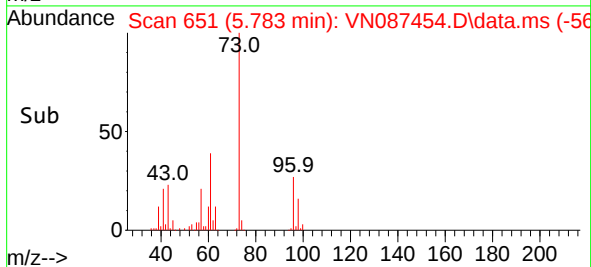
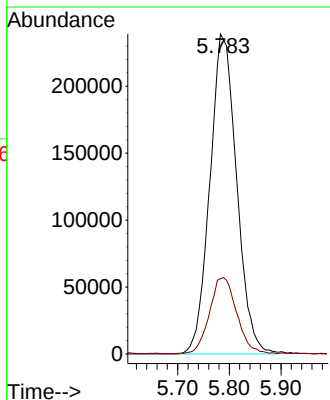
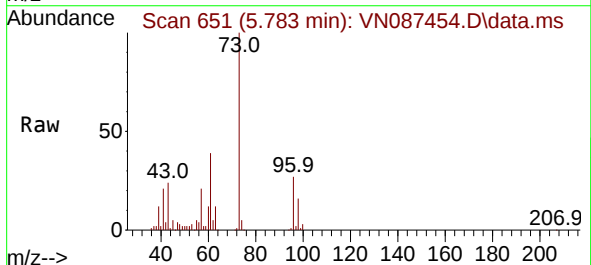
Manual Integrations
APPROVED

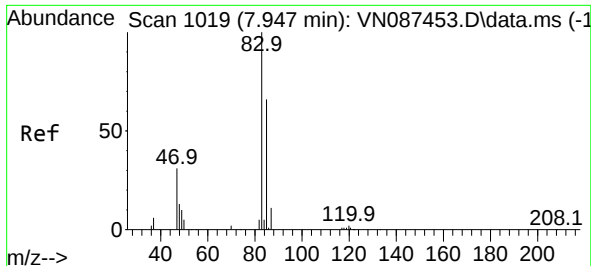
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#24
Methyl tert-Butyl Ether
Concen: 45.179 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

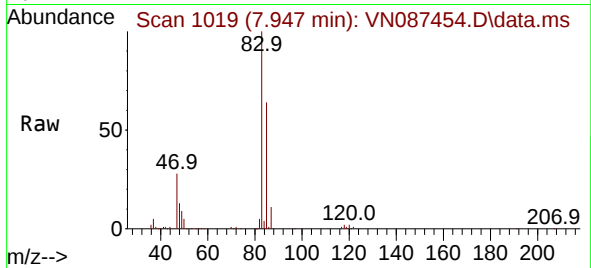
Tgt Ion: 73 Resp: 859723
Ion Ratio Lower Upper
73 100
43 24.2 19.9 29.9





#25
Chloroform
Concen: 45.405 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

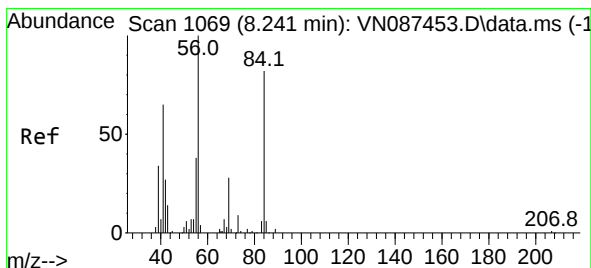
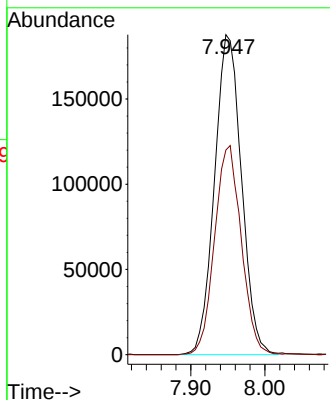
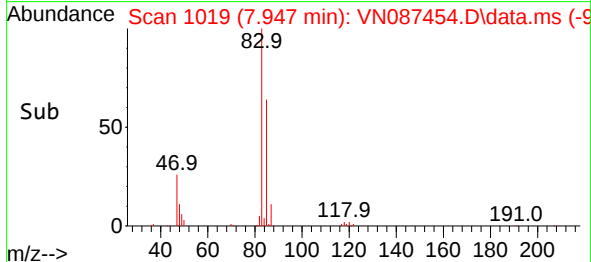
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 475049
Ion Ratio Lower Upper
83 100
85 64.0 52.6 78.8

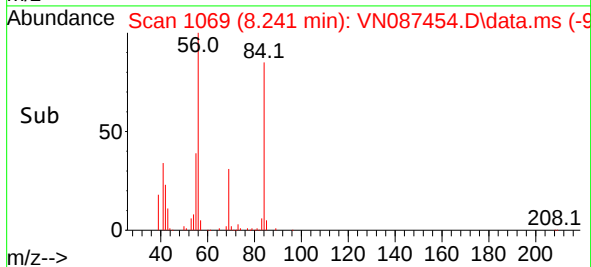
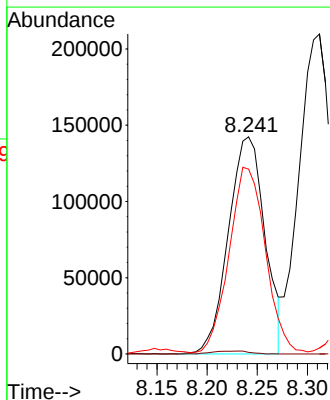
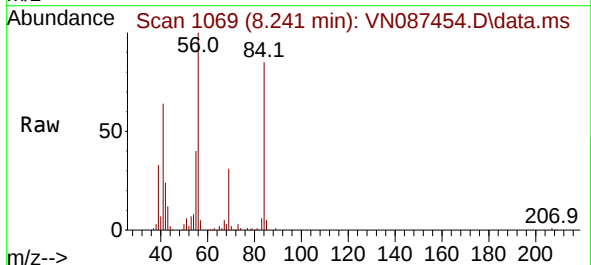
Manual Integrations
APPROVED

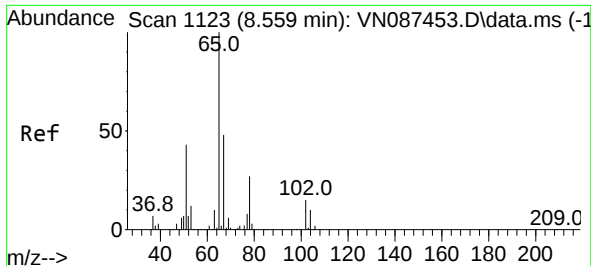
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#26
Cyclohexane
Concen: 45.006 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

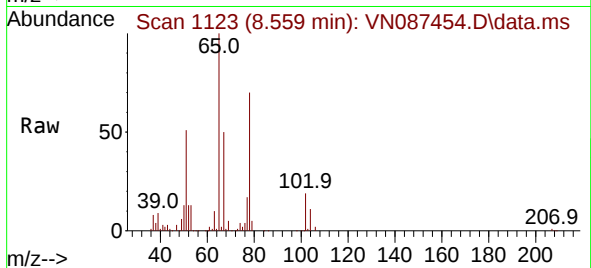
Tgt Ion: 56 Resp: 361178
Ion Ratio Lower Upper
56 100
89 1.3 2.3 3.5#
84 86.2 67.0 100.4





#27
1,2-Dichloroethane-d4
Concen: 30.095 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

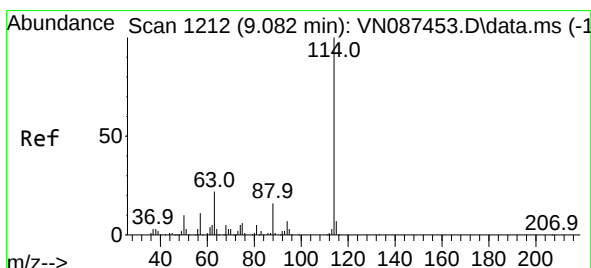
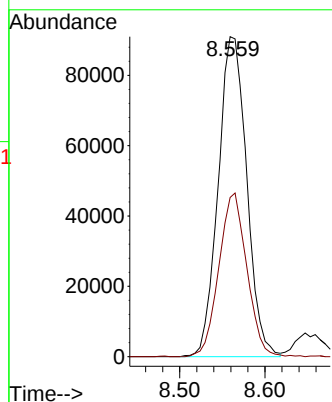
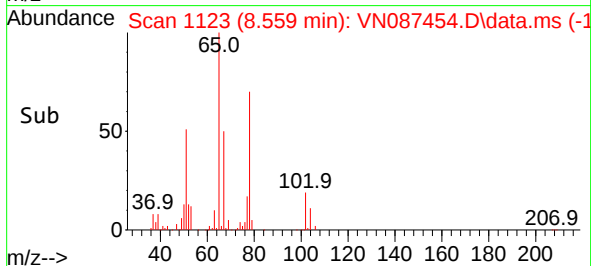
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



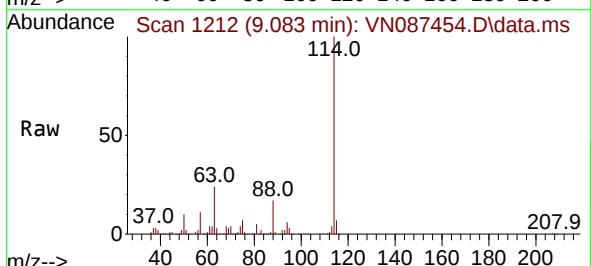
Tgt Ion: 65 Resp: 211654
Ion Ratio Lower Upper
65 100
67 50.0 40.8 61.2

Manual Integrations
APPROVED

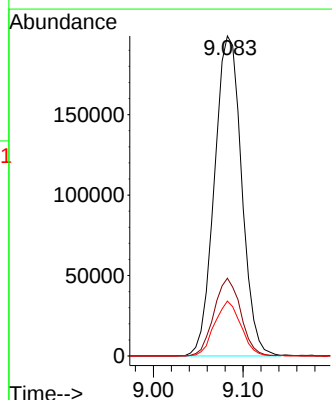
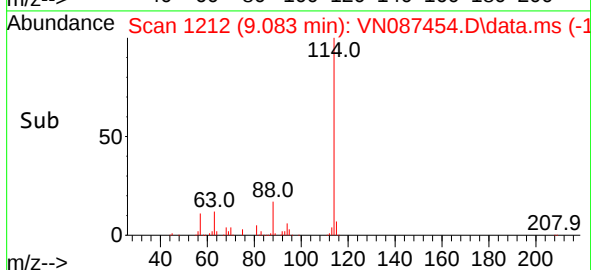
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



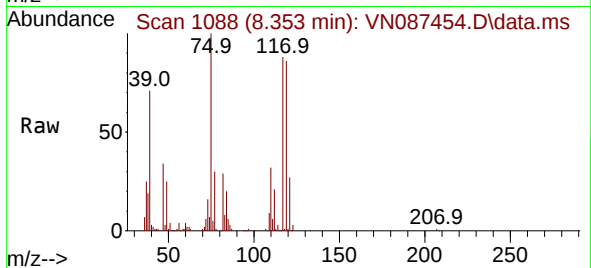
Tgt Ion:114 Resp: 418905
Ion Ratio Lower Upper
114 100
63 23.9 18.9 28.3
88 16.6 13.1 19.7





#29
1,1-Dichloropropene
Concen: 45.472 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

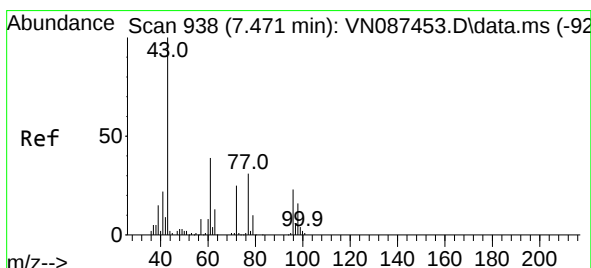
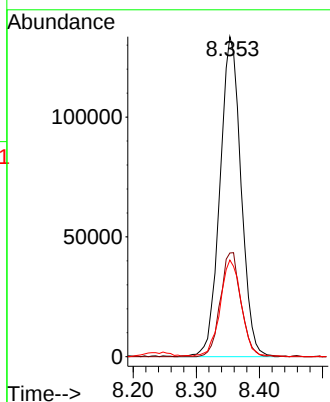
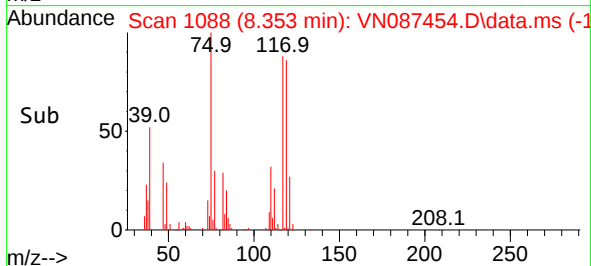
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



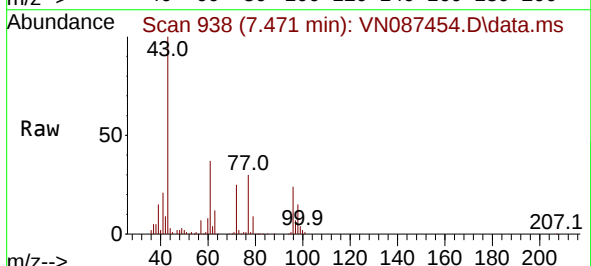
Tgt Ion: 75 Resp: 310679
Ion Ratio Lower Upper
75 100
110 31.5 0.0 65.8
77 30.3 0.0 63.6

Manual Integrations
APPROVED

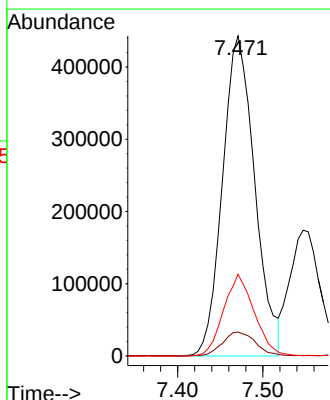
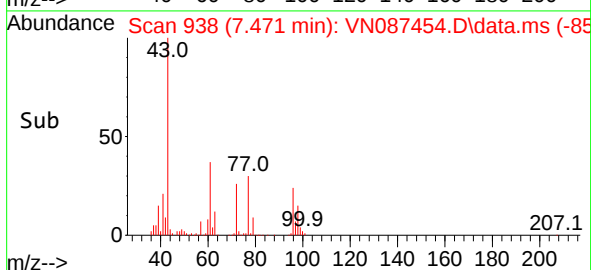
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

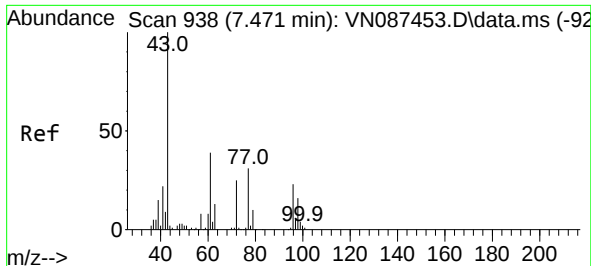


#30
2-Butanone
Concen: 231.454 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



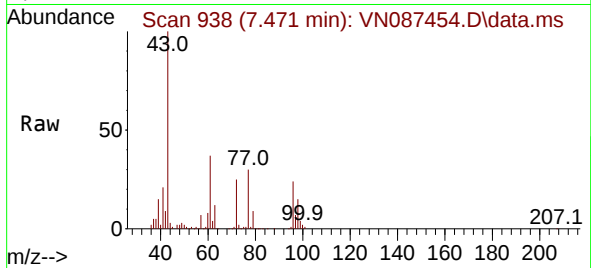
Tgt Ion: 43 Resp: 1165660
Ion Ratio Lower Upper
43 100
57 7.8 6.6 9.8
72 24.2 19.7 29.5





#31
2,2-Dichloropropane
Concen: 45.671 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

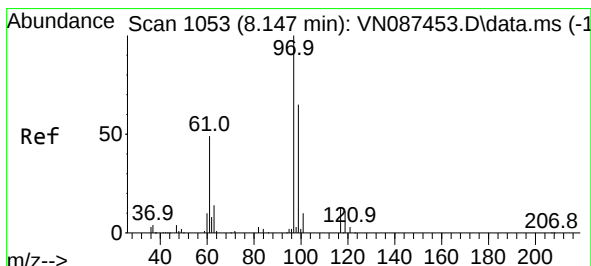
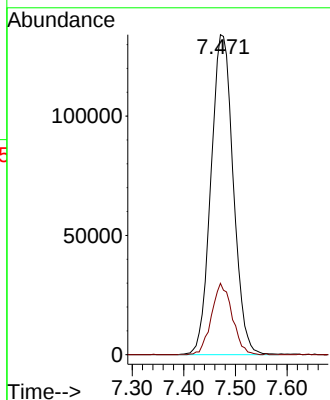
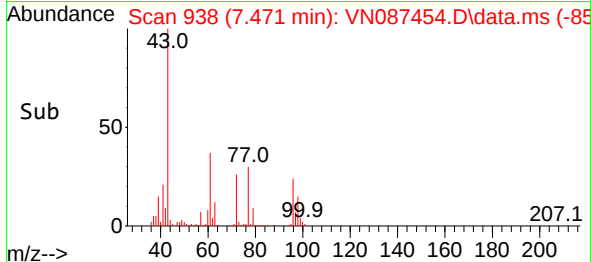
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



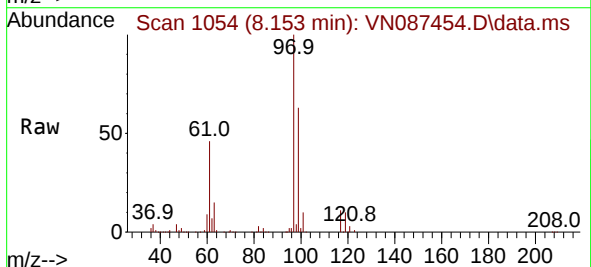
Tgt Ion: 77 Resp: 40245
Ion Ratio Lower Upper
77 100
97 20.7 16.7 25.1

Manual Integrations
APPROVED

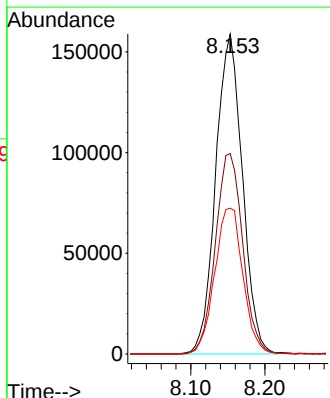
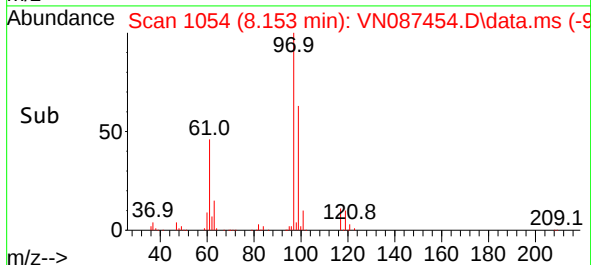
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

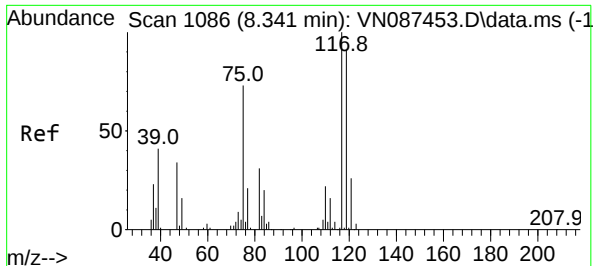


#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



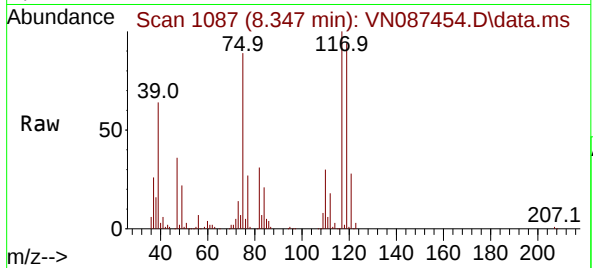
Tgt Ion: 97 Resp: 398348
Ion Ratio Lower Upper
97 100
99 63.9 53.0 79.6
61 48.1 40.6 61.0





#33
Carbon Tetrachloride
Concen: 45.723 ug/l
RT: 8.347 min Scan# 1086
Delta R.T. 0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

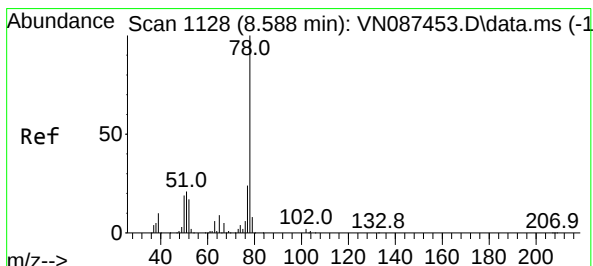
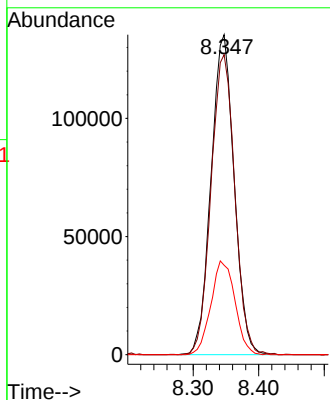
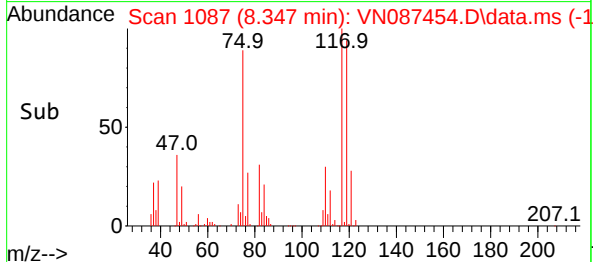
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 117 Resp: 33099
Ion Ratio Lower Upper
117 100
119 93.8 73.4 110.0
121 27.9 21.1 31.7

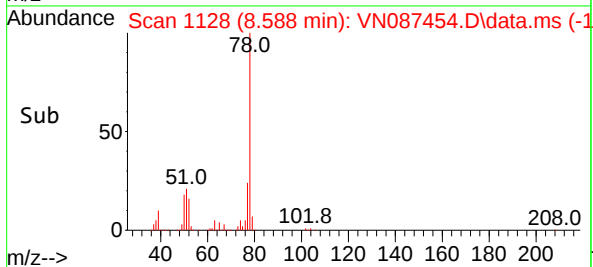
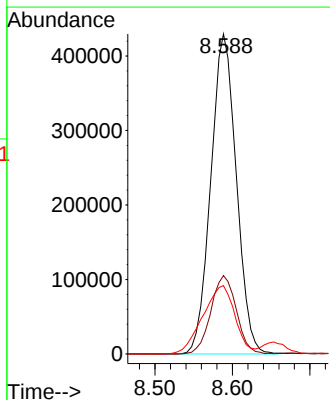
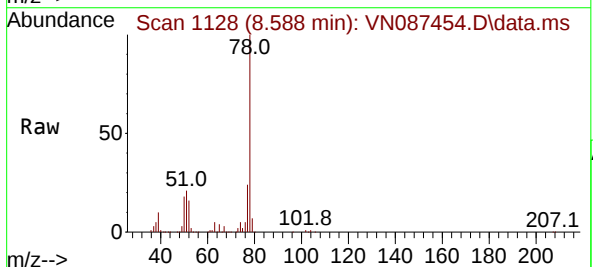
Manual Integrations
APPROVED

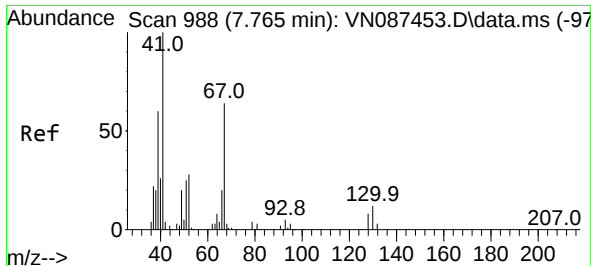
Reviewed By : John Carlone 08/06/2025
Supervised By : Mahesh Dadoda 08/06/2025



#34
Benzene
Concen: 45.639 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

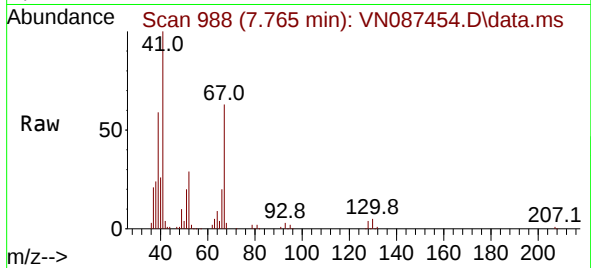
Tgt Ion: 78 Resp: 984335
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8
51 20.6 16.9 25.3





#35
Methacrylonitrile
Concen: 47.860 ug/l
RT: 7.765 min Scan# 988
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

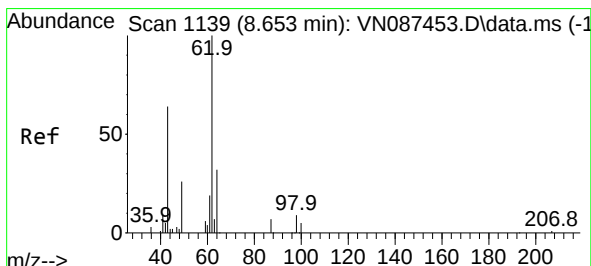
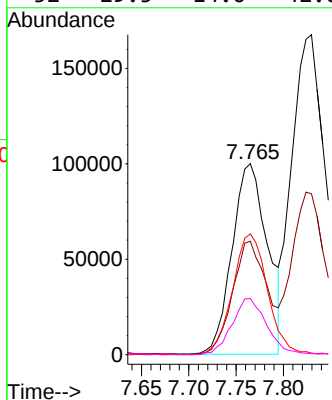
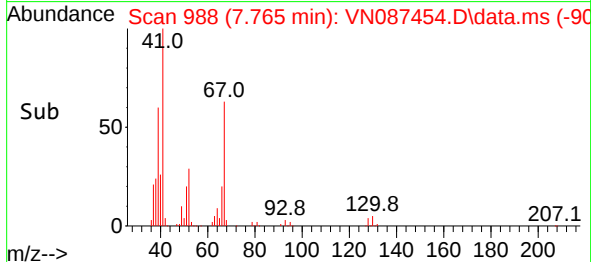
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 41 Resp: 260104
Ion Ratio Lower Upper
41 100
39 59.2 30.1 90.5
67 63.4 32.0 96.2
52 29.5 14.0 42.0

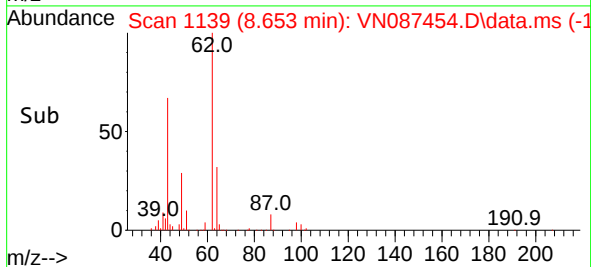
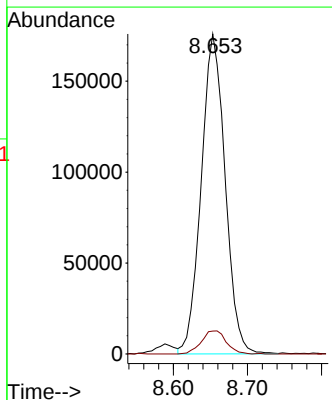
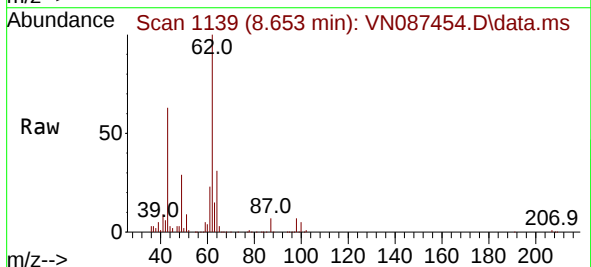
Manual Integrations
APPROVED

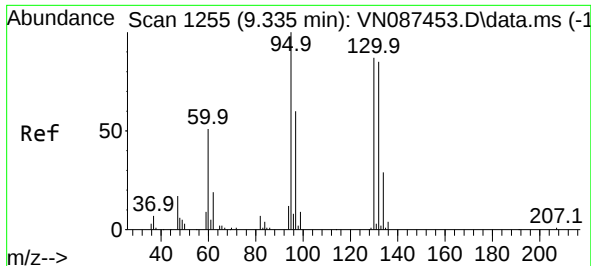
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#36
1,2-Dichloroethane
Concen: 45.169 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

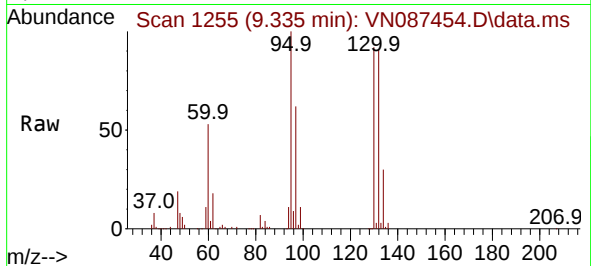
Tgt Ion: 62 Resp: 393795
Ion Ratio Lower Upper
62 100
98 7.5 6.6 9.8





#37
Trichloroethene
Concen: 45.693 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

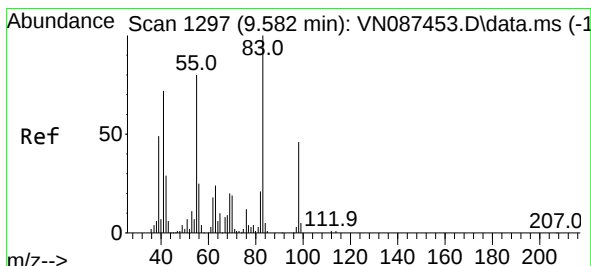
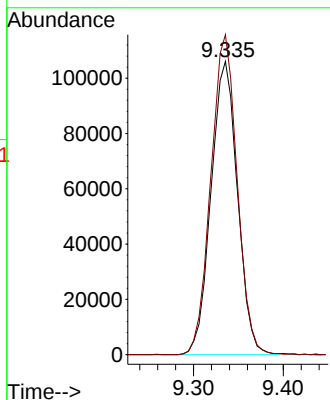
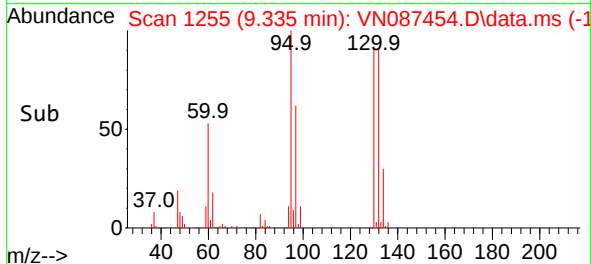
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



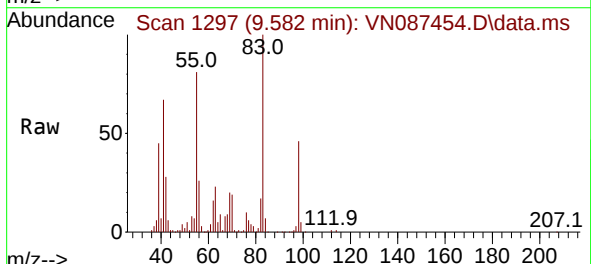
Tgt Ion:130 Resp: 217082
Ion Ratio Lower Upper
130 100
95 109.1 91.4 137.2

Manual Integrations
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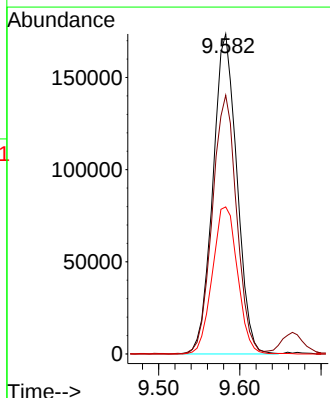
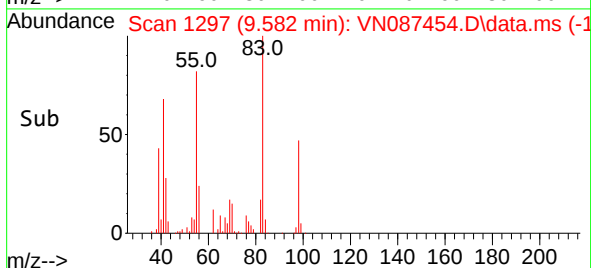
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

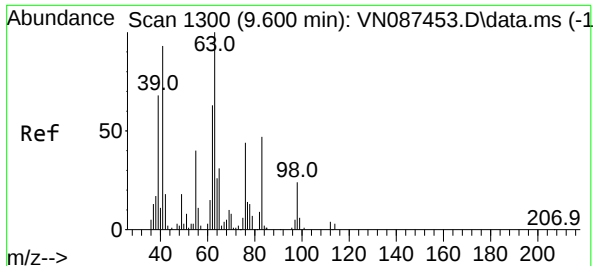


#38
Methylcyclohexane
Concen: 45.072 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



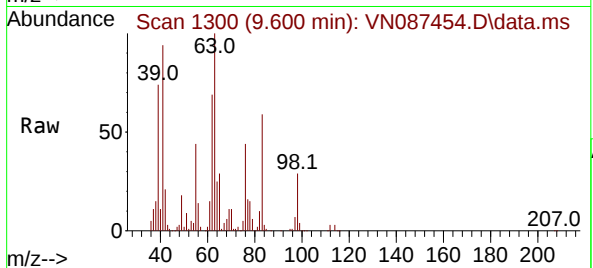
Tgt Ion: 83 Resp: 357253
Ion Ratio Lower Upper
83 100
55 81.7 41.2 123.6
98 48.1 23.3 69.9





#39
1,2-Dichloropropane
Concen: 45.142 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

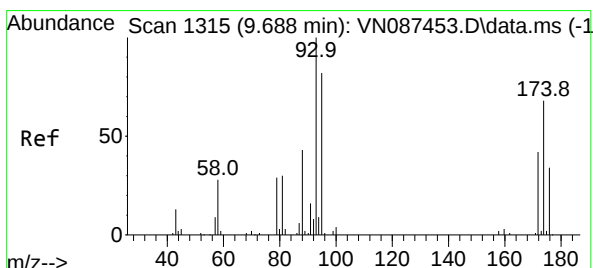
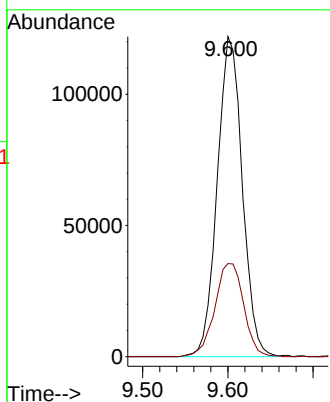
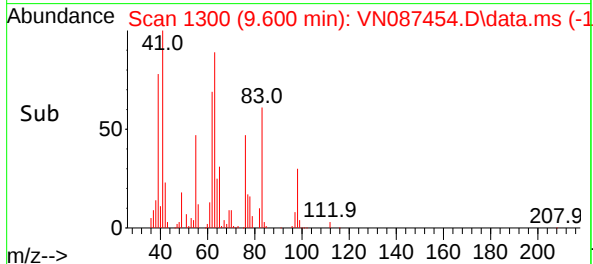
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 63 Resp: 24962
Ion Ratio Lower Upper
63 100
65 29.1 24.6 36.8

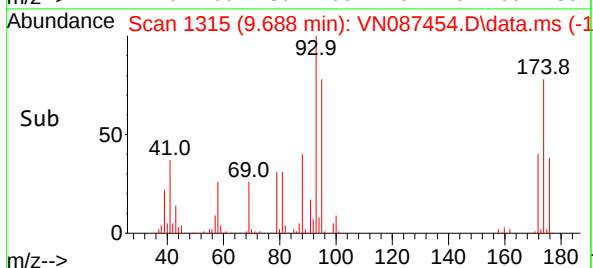
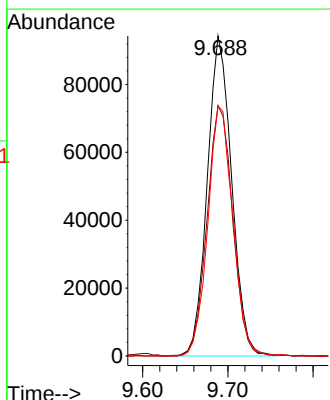
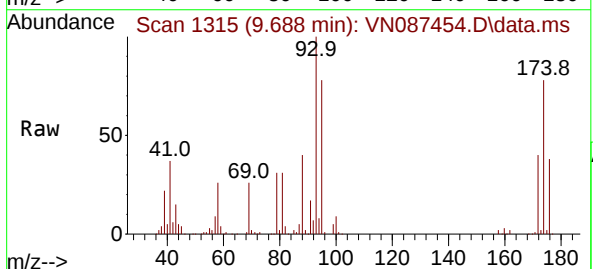
Manual Integrations
APPROVED

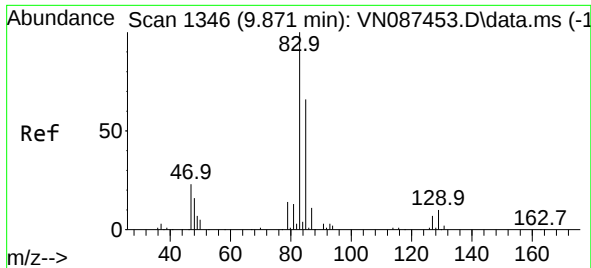
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#40
Dibromomethane
Concen: 45.278 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 93 Resp: 187857
Ion Ratio Lower Upper
93 100
95 82.1 0.0 161.6
174 79.8 0.0 151.4





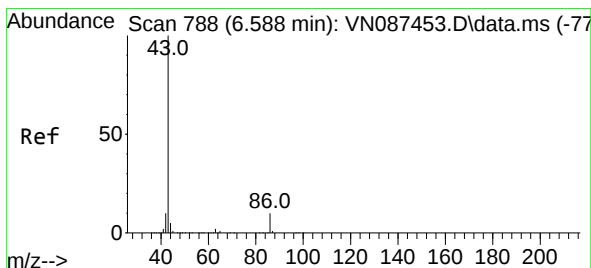
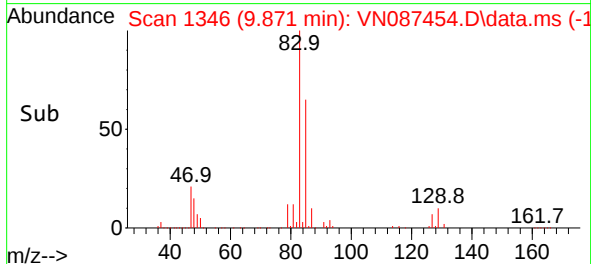
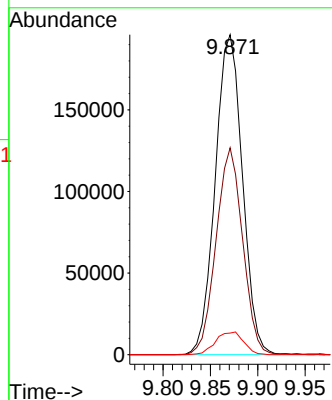
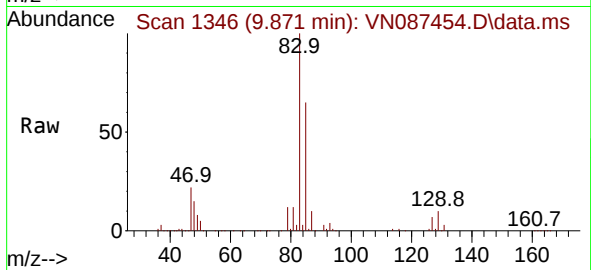
#41
Bromodichloromethane
Concen: 45.463 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 39195
Ion Ratio Lower Upper
83 100
85 64.6 52.9 79.3
127 6.8 5.8 8.6

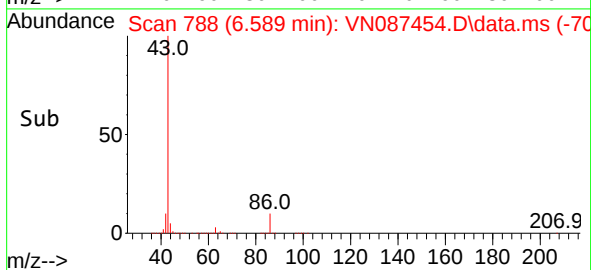
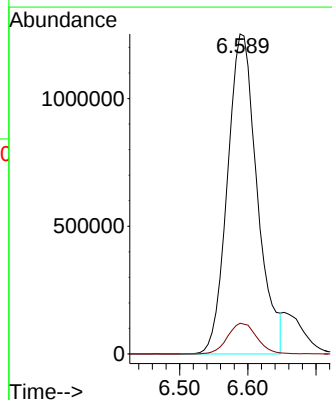
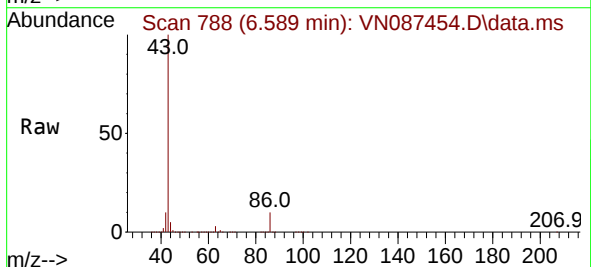
Manual Integrations
APPROVED

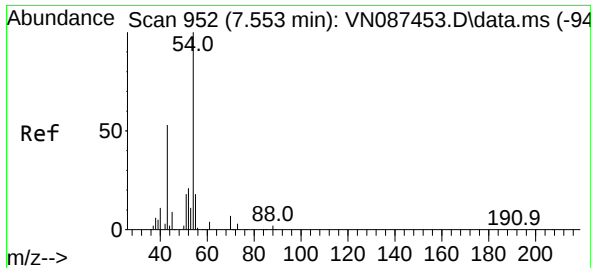
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#42
Vinyl Acetate
Concen: 228.920 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

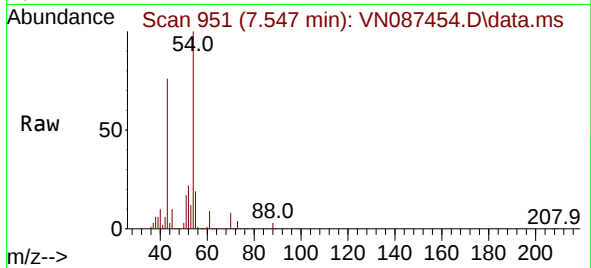
Tgt Ion: 43 Resp: 3796699
Ion Ratio Lower Upper
43 100
86 9.5 7.3 10.9





#43
Ethyl Acetate
Concen: 45.558 ug/l
RT: 7.547 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

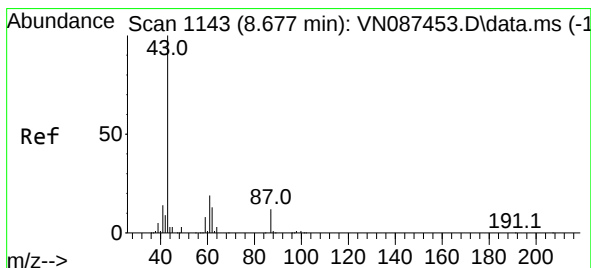
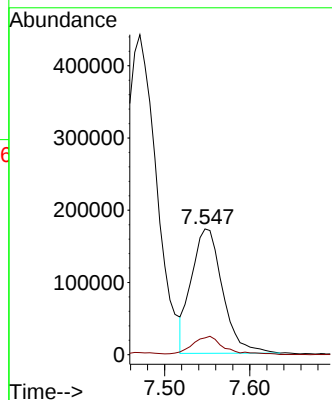
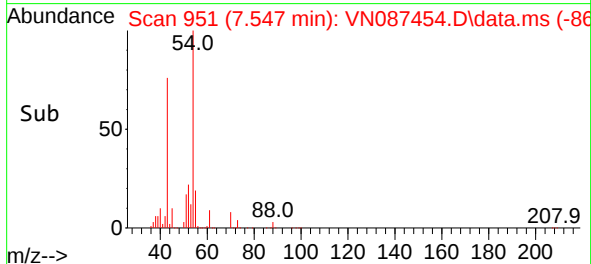
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 43675
Ion Ratio Lower Upper
43 100
45 12.4 11.1 16.7

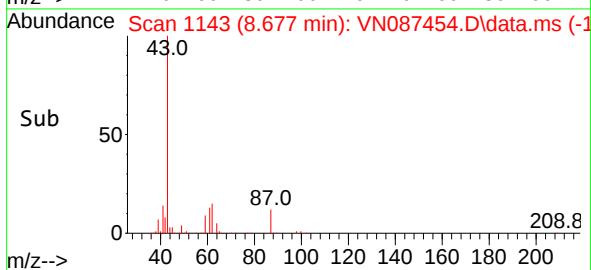
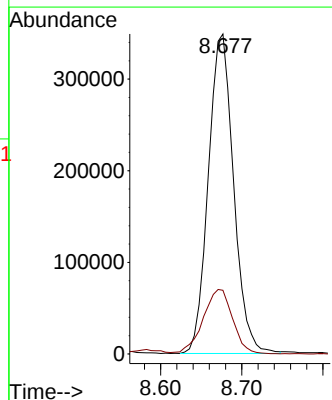
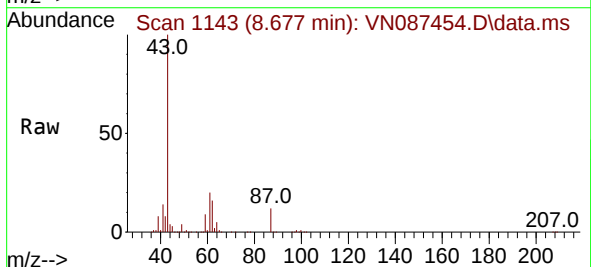
Manual Integrations
APPROVED

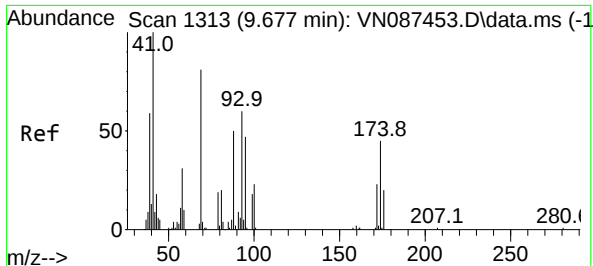
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#44
Isopropyl Acetate
Concen: 45.813 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 43 Resp: 755567
Ion Ratio Lower Upper
43 100
61 23.6 18.6 28.0





#45

1,4-Dioxane

Concen: 932.433 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 88 Resp: 98035

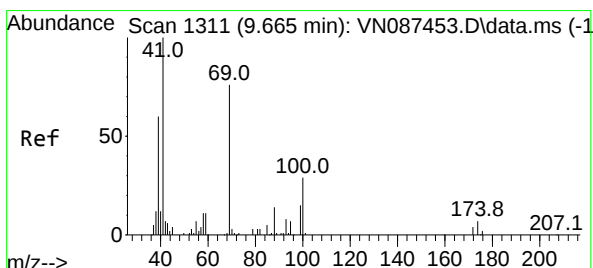
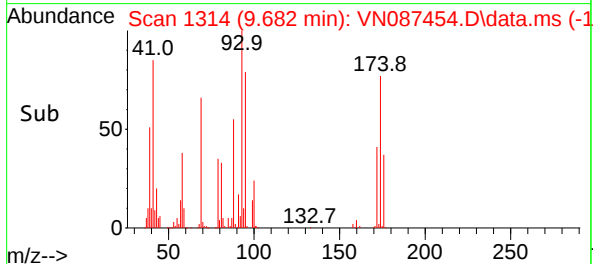
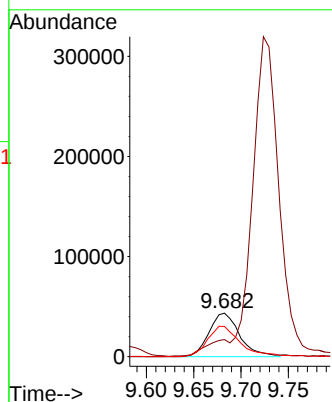
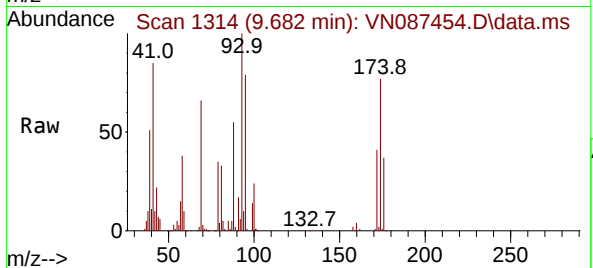
Ion	Ratio	Lower	Upper
88	100		
43	31.4	24.1	36.1
58	74.1	57.2	85.8

Manual Integrations

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Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#46

Methyl methacrylate

Concen: 45.128 ug/l

RT: 9.665 min Scan# 1311

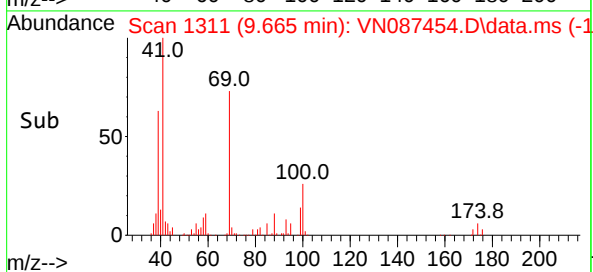
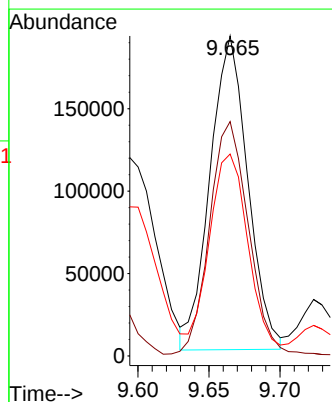
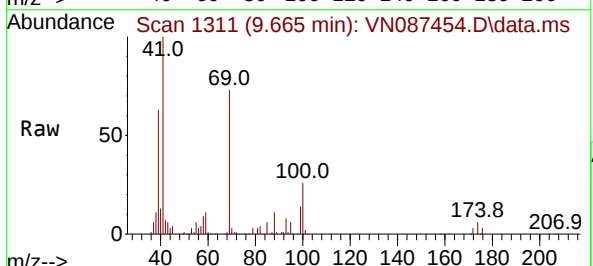
Delta R.T. 0.000 min

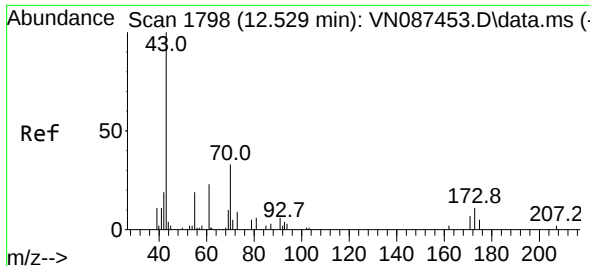
Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Tgt Ion: 41 Resp: 351323

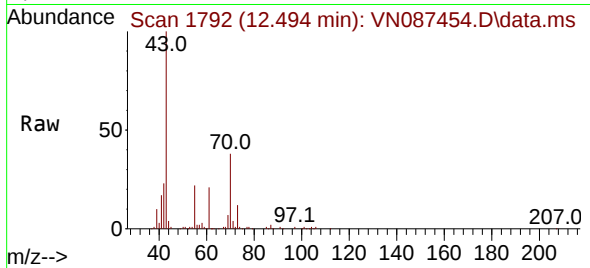
Ion	Ratio	Lower	Upper
41	100		
69	76.2	37.1	111.5
39	63.3	30.7	92.1





#47
n-amy1 Acetate
Concen: 48.133 ug/l m
RT: 12.494 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

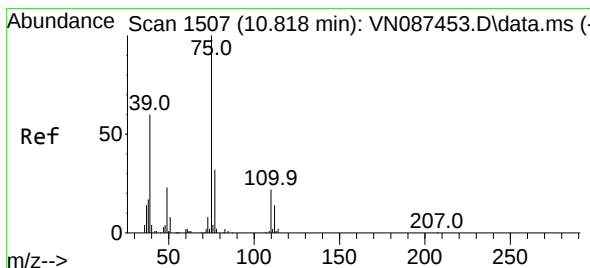
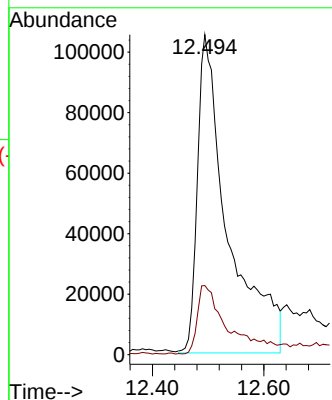
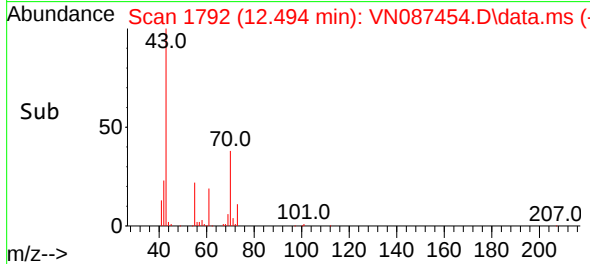
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 39915
Ion Ratio Lower Upper
43 100
55 0.0 4.6 6.8

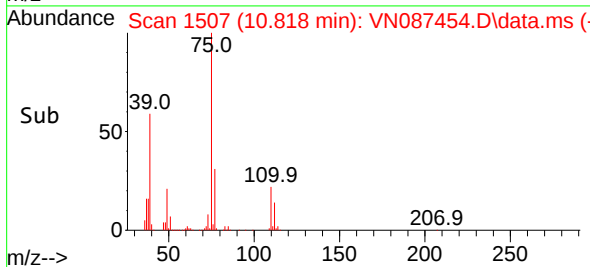
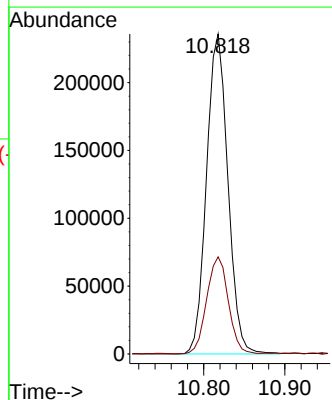
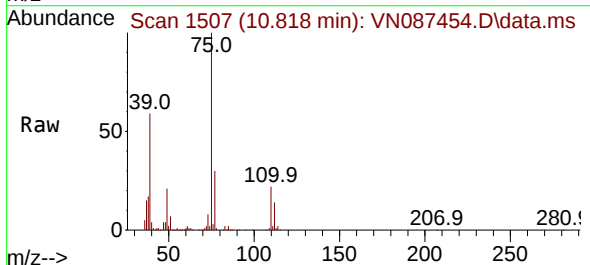
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#48
t-1,3-Dichloropropene
Concen: 46.014 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

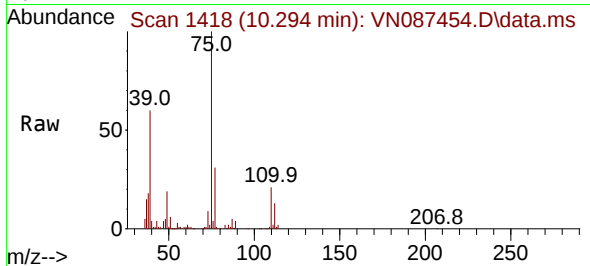
Tgt Ion: 75 Resp: 431587
Ion Ratio Lower Upper
75 100
77 30.3 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 46.521 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

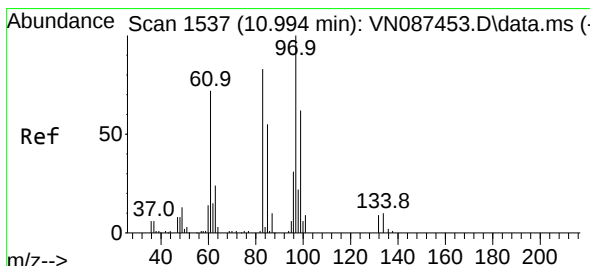
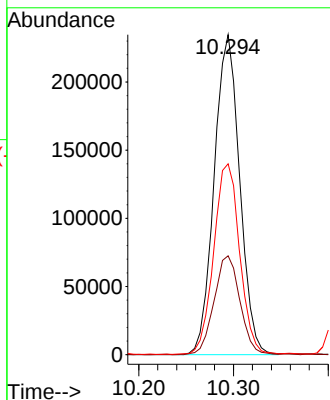
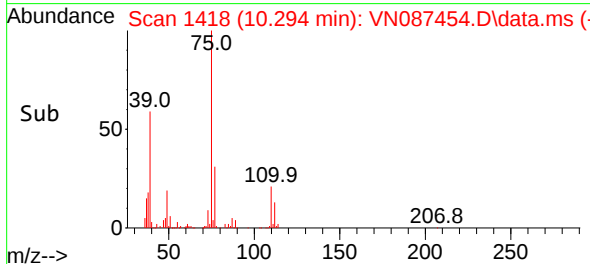
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 75 Resp: 43912
Ion Ratio Lower Upper
75 100
77 30.8 24.6 36.8
39 59.4 51.5 77.3

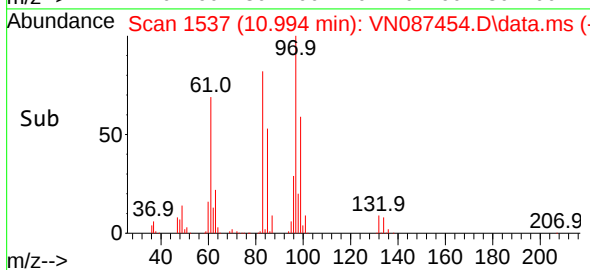
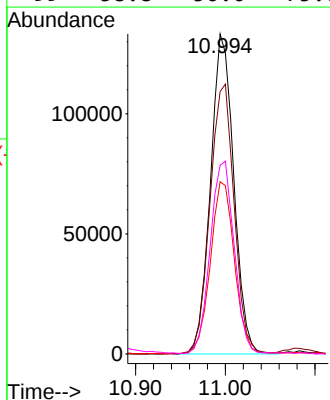
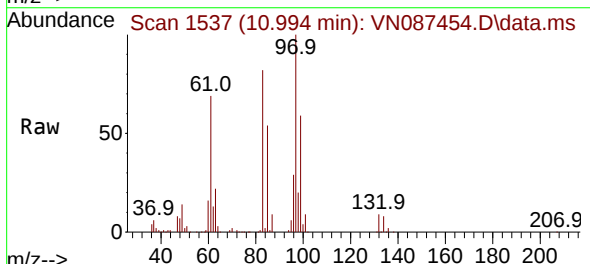
Manual Integrations
APPROVED

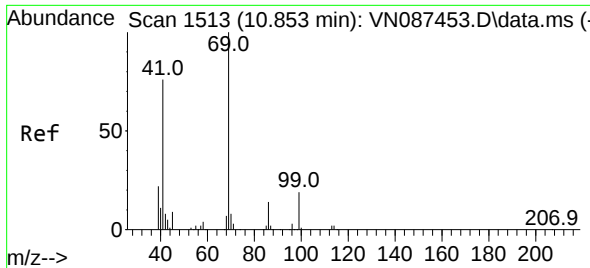
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#50
1,1,2-Trichloroethane
Concen: 45.786 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 97 Resp: 240010
Ion Ratio Lower Upper
97 100
83 82.0 66.2 99.2
85 53.7 43.9 65.9
99 58.8 50.0 75.0





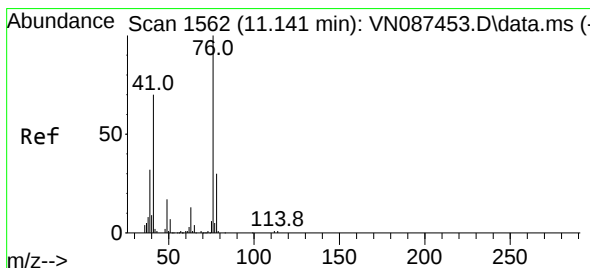
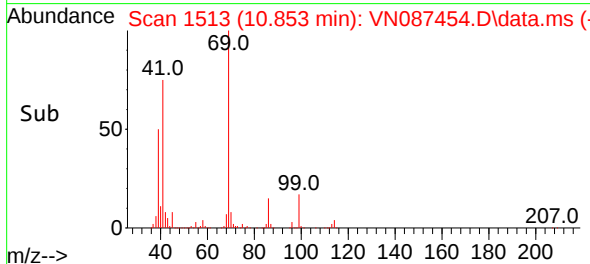
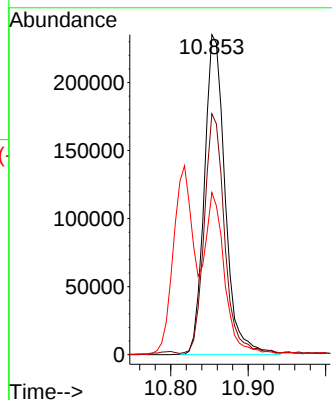
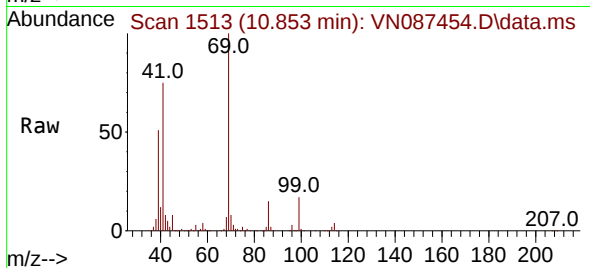
#51
Ethyl methacrylate
Concen: 47.164 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 69 Resp: 435415
Ion Ratio Lower Upper
69 100
41 74.9 38.0 114.1
39 50.1 23.2 69.5

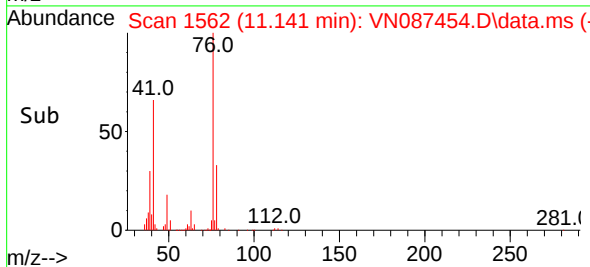
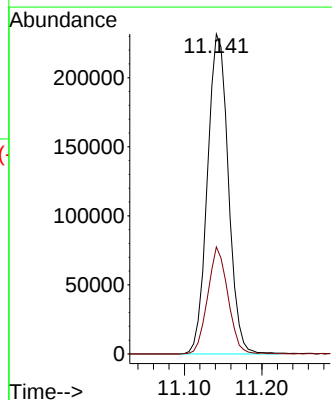
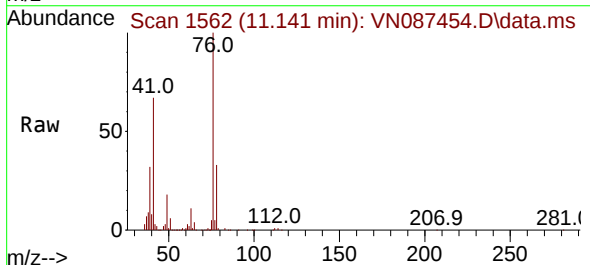
Manual Integrations
APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#52
1,3-Dichloropropane
Concen: 45.941 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

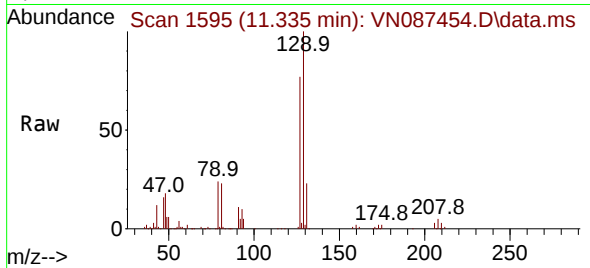
Tgt Ion: 76 Resp: 433869
Ion Ratio Lower Upper
76 100
78 32.3 0.0 63.0





#53
Dibromochloromethane
Concen: 46.341 ug/l
RT: 11.335 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

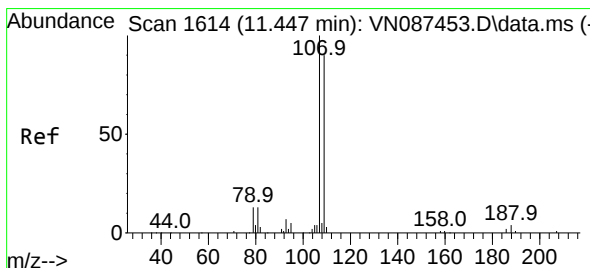
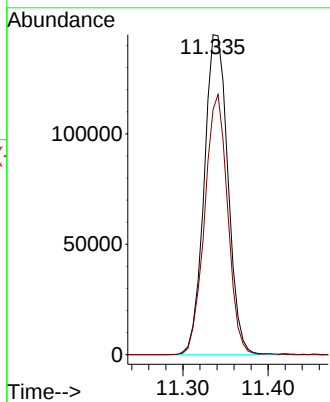
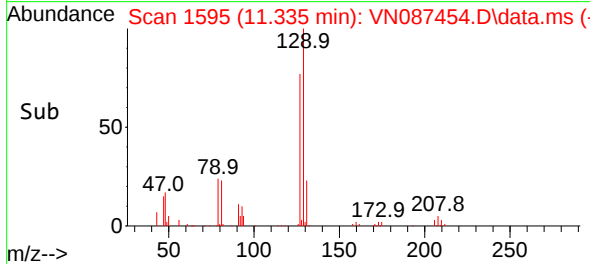
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



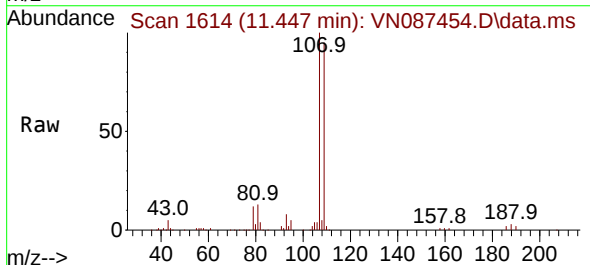
Tgt Ion:129 Resp: 28054
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3

Manual Integrations
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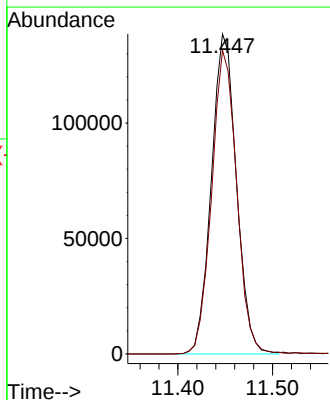
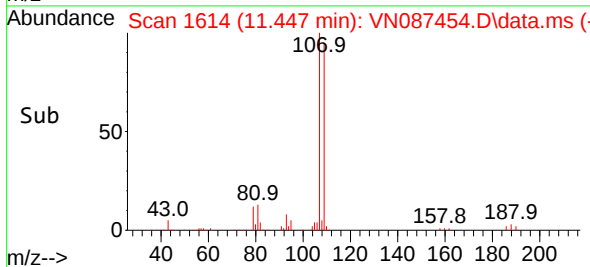
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

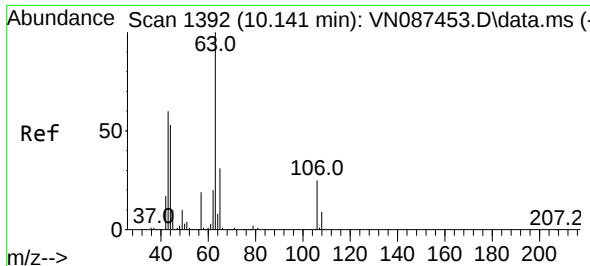


#54
1,2-Dibromoethane
Concen: 45.688 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



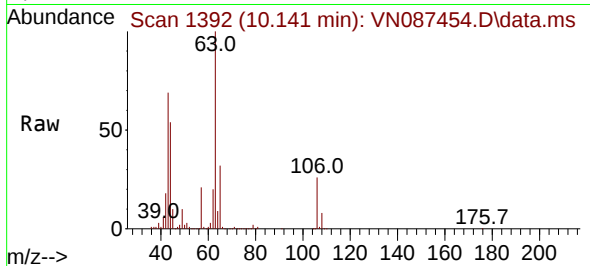
Tgt Ion:107 Resp: 254243
Ion Ratio Lower Upper
107 100
109 94.8 74.2 111.4





#55
2-Chloroethyl vinyl ether
Concen: 230.244 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

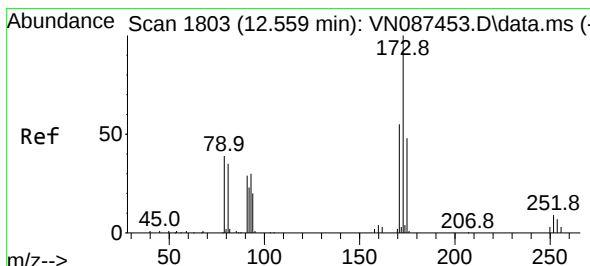
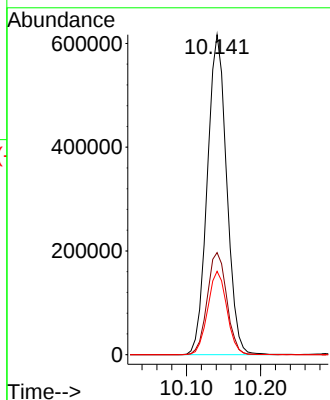
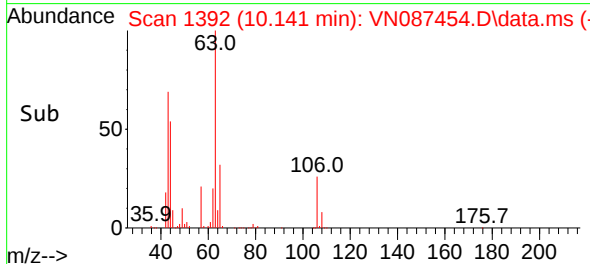
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 63 Resp: 111899
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 25.7 20.7 31.1

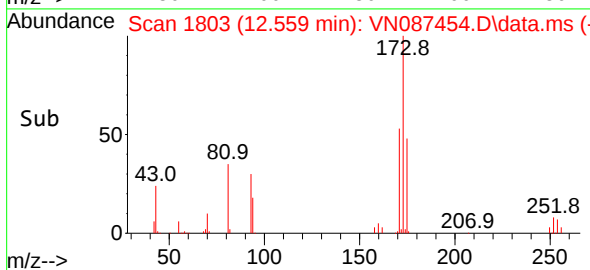
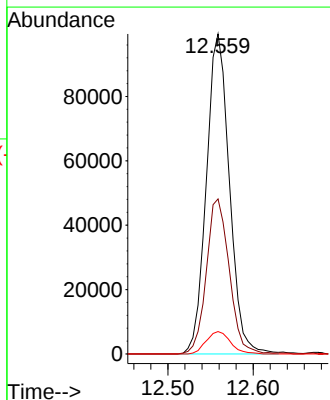
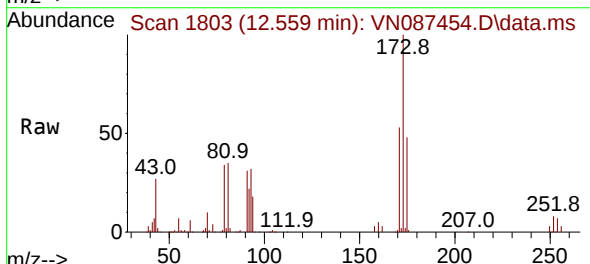
Manual Integrations
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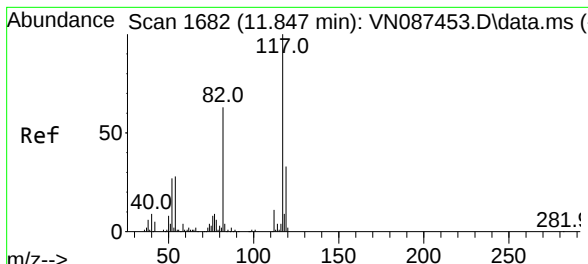
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#56
Bromoform
Concen: 46.656 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

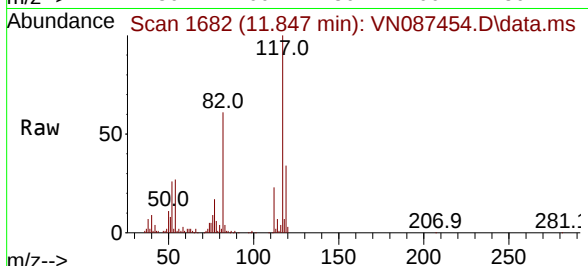
Tgt Ion:173 Resp: 186820
Ion Ratio Lower Upper
173 100
175 48.1 38.8 58.2
254 7.4 3.9 5.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

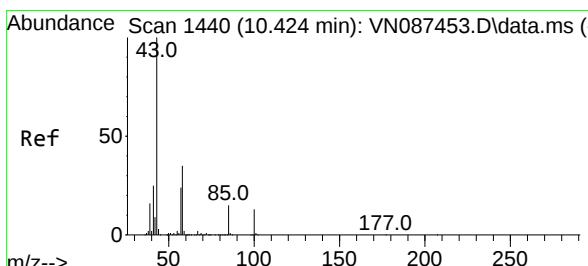
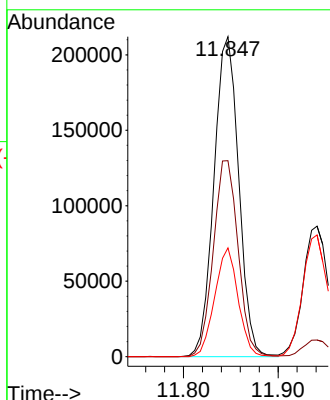
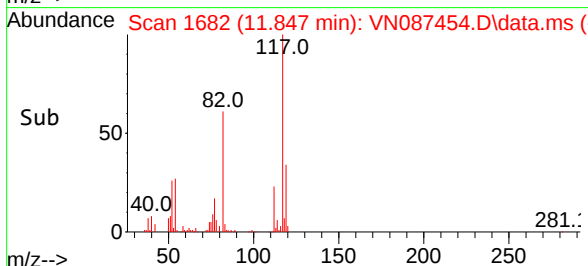
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	32.2	25.7	38.5

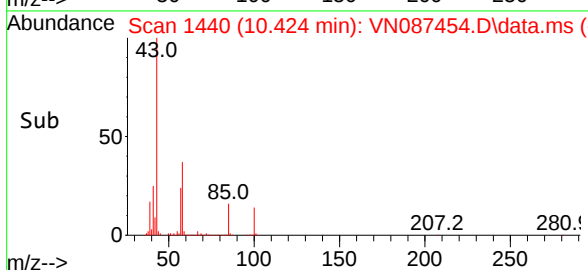
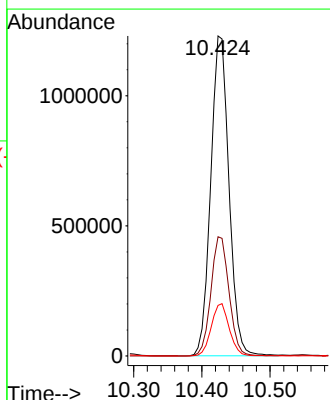
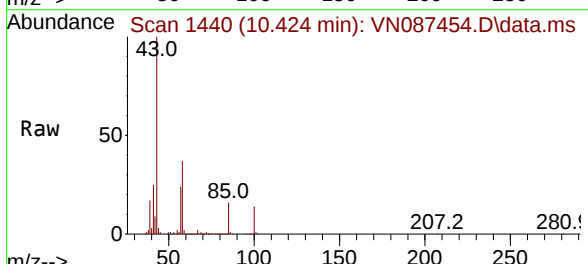
Manual Integrations
APPROVED

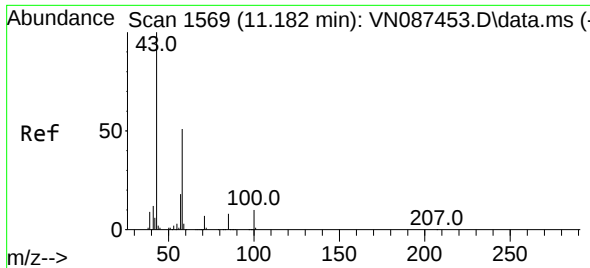
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#58
4-Methyl-2-Pentanone
Concen: 230.864 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

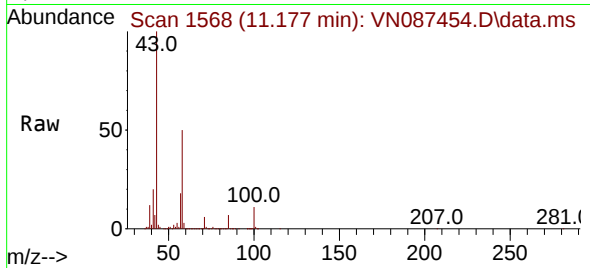
Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.0	43.6
85	16.1	12.7	19.1





#59
2-Hexanone
Concen: 240.439 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

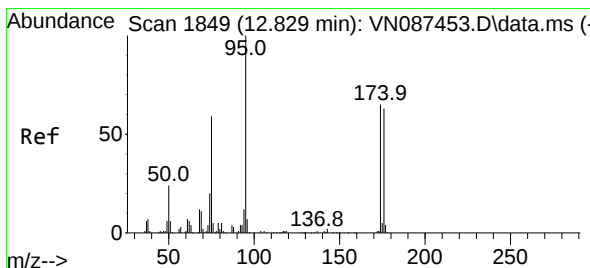
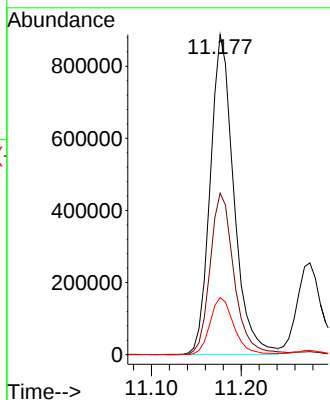
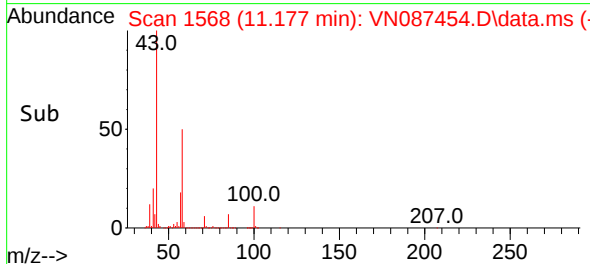
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 162074
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 18.1 14.6 21.8

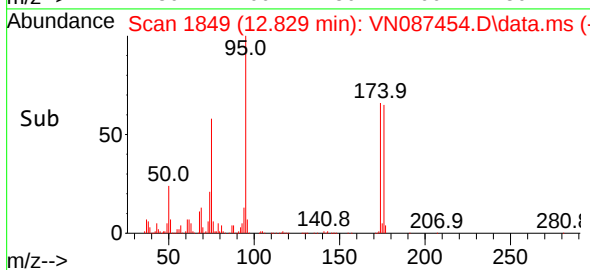
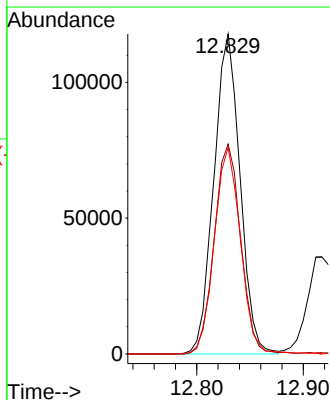
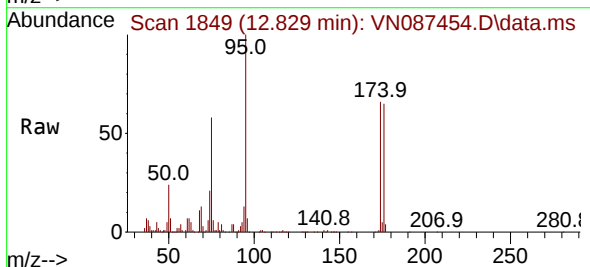
Manual Integrations
APPROVED

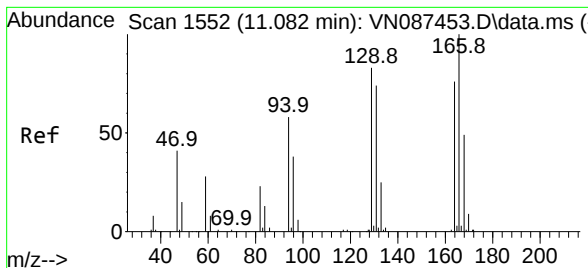
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#60
4-Bromofluorobenzene
Concen: 30.325 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

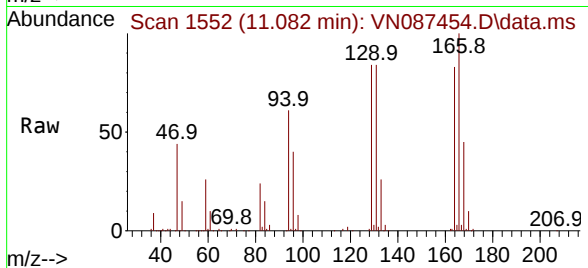
Tgt Ion: 95 Resp: 201264
Ion Ratio Lower Upper
95 100
174 66.0 52.3 78.5
176 64.6 49.8 74.8





#61
Tetrachloroethene
Concen: 46.177 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

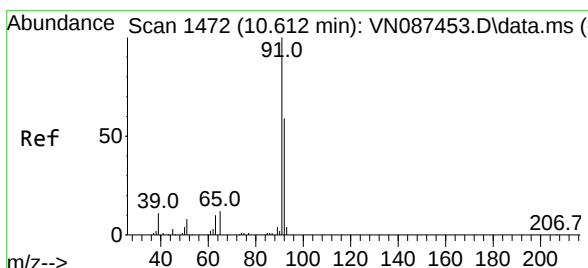
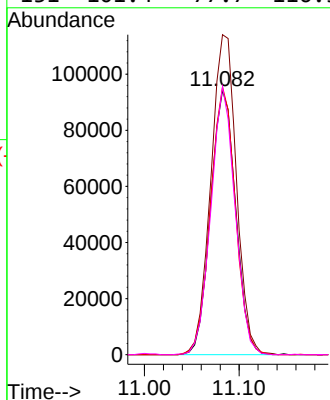
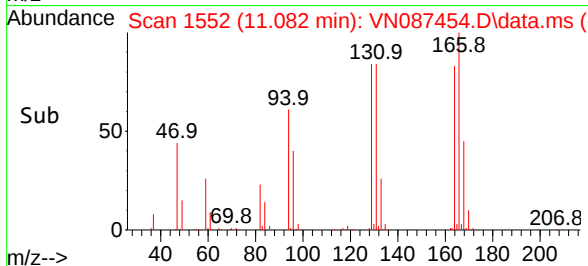
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



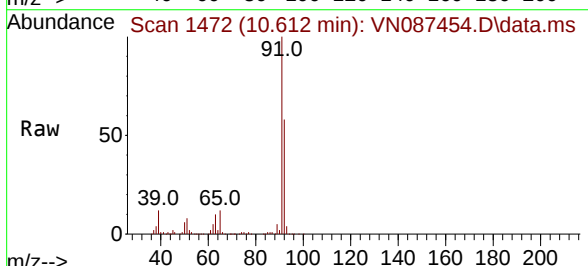
Tgt Ion:164 Resp: 173500
Ion Ratio Lower Upper
164 100
166 121.2 105.4 158.0
129 101.5 87.7 131.5
131 101.4 77.7 116.5

Manual Integrations
APPROVED

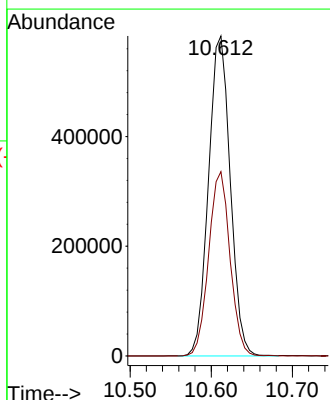
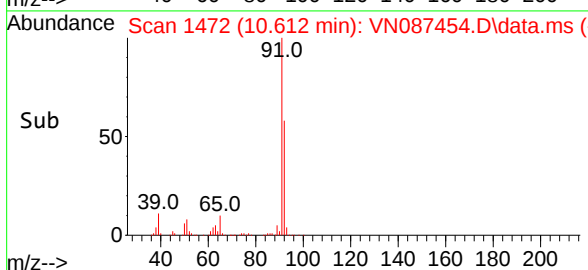
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

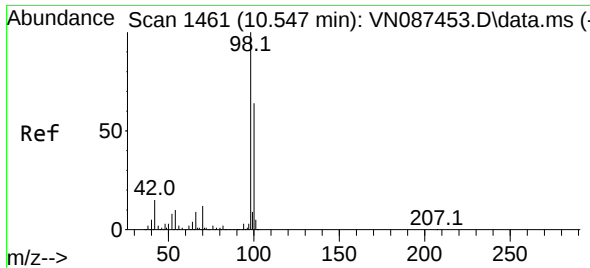


#62
Toluene
Concen: 45.620 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



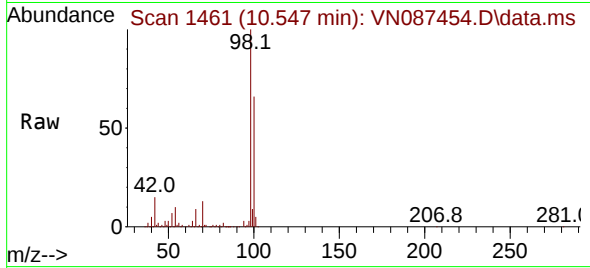
Tgt Ion: 91 Resp: 1085878
Ion Ratio Lower Upper
91 100
92 56.5 45.8 68.6





#63
Toluene-d8
Concen: 30.124 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

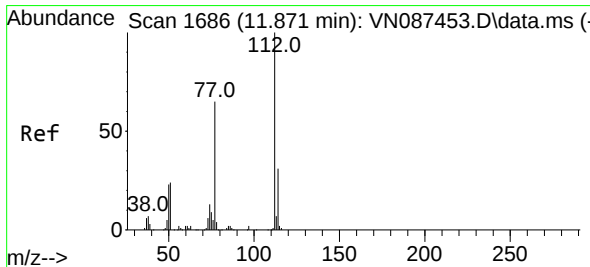
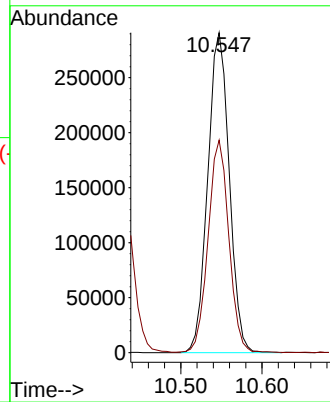
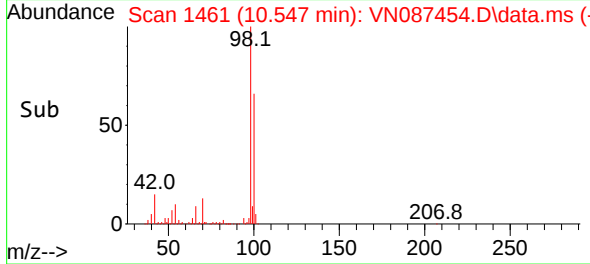
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



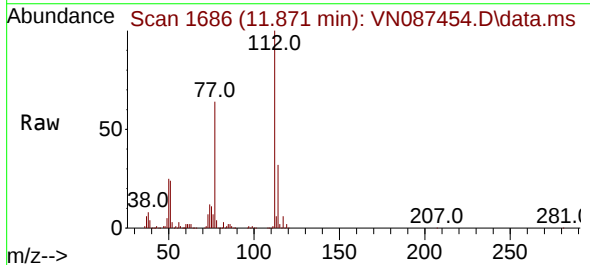
Tgt Ion: 98 Resp: 534559
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

Manual Integrations
APPROVED

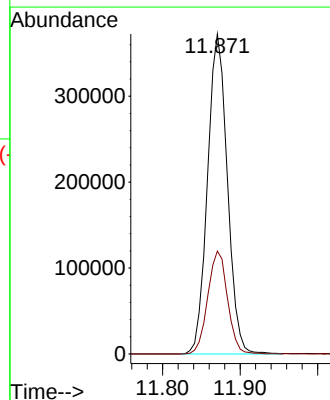
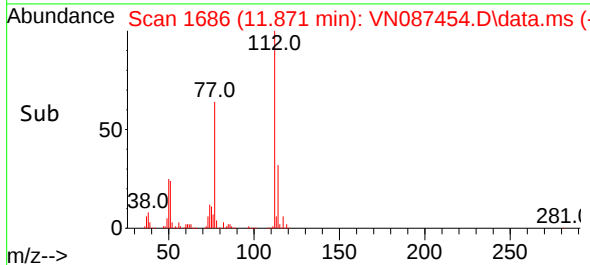
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

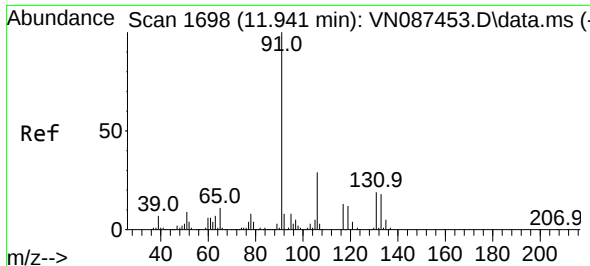


#64
Chlorobenzene
Concen: 45.283 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



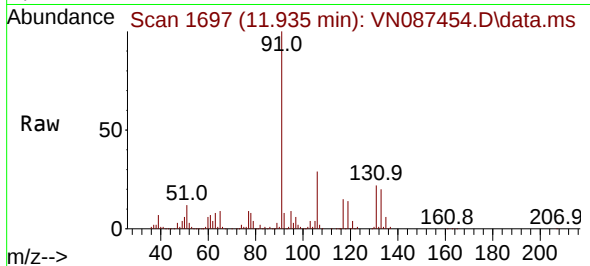
Tgt Ion:112 Resp: 662306
Ion Ratio Lower Upper
112 100
114 32.1 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 45.493 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

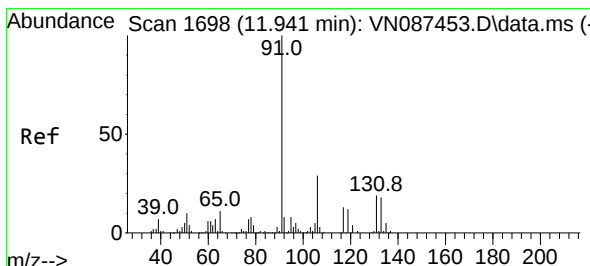
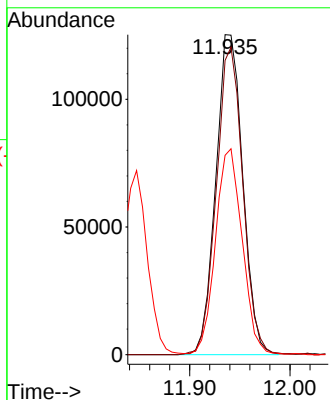
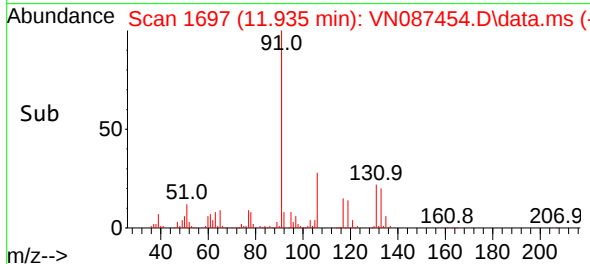
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:131 Resp: 23394
Ion Ratio Lower Upper
131 100
133 94.4 0.0 189.8
119 63.8 0.0 133.2

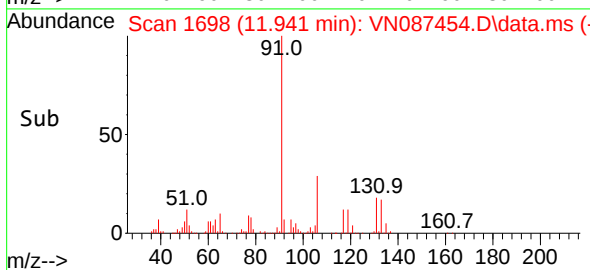
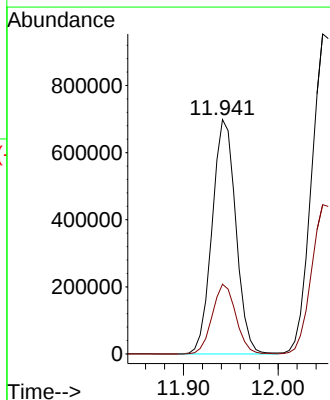
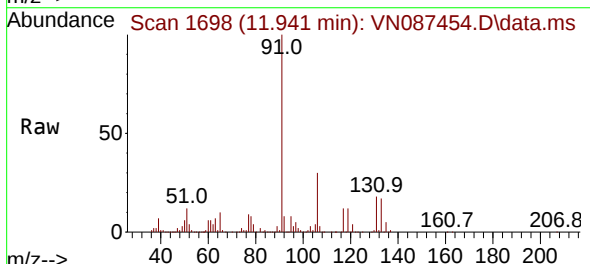
Manual Integrations
APPROVED

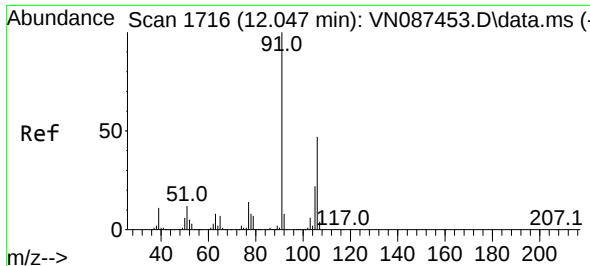
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#66
Ethyl Benzene
Concen: 45.832 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion: 91 Resp: 1215937
Ion Ratio Lower Upper
91 100
106 29.8 22.9 34.3





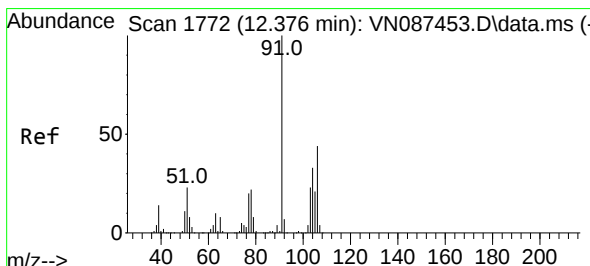
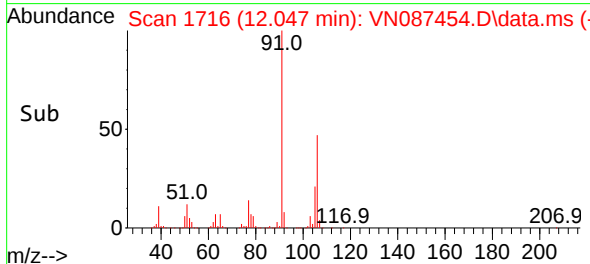
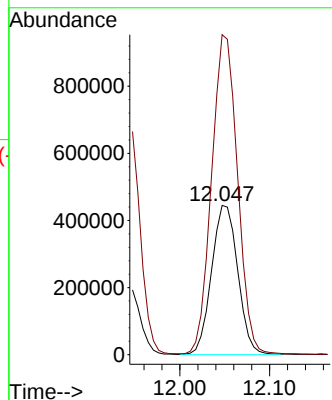
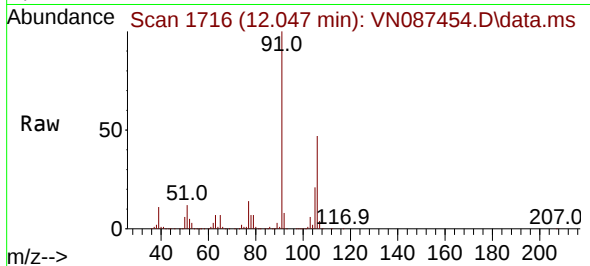
#67
m/p-Xylenes
Concen: 92.702 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 902750
Ion Ratio Lower Upper
106 100
91 212.6 174.2 261.2

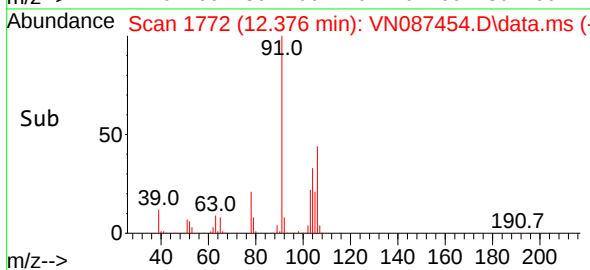
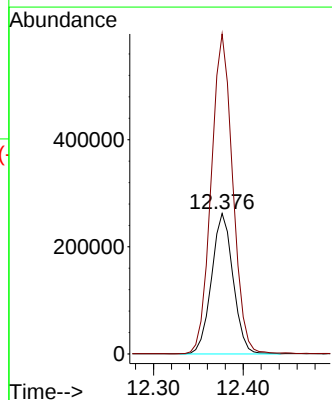
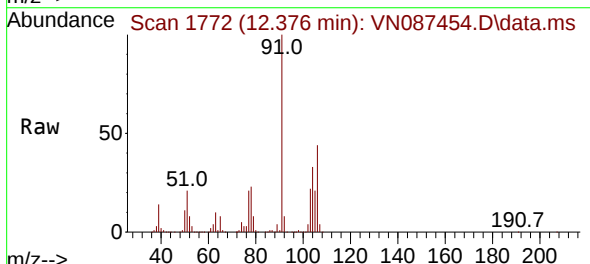
Manual Integrations
APPROVED

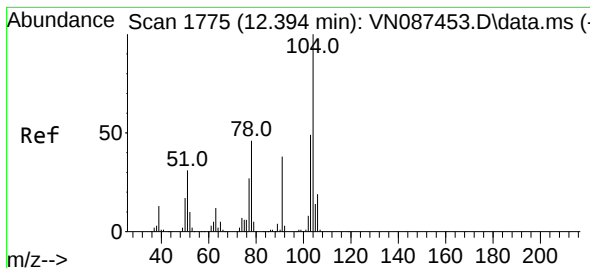
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#68
o-Xylene
Concen: 45.667 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:106 Resp: 437515
Ion Ratio Lower Upper
106 100
91 227.1 114.5 343.5





#69

Styrene

Concen: 46.428 ug/l

RT: 12.388 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:104 Resp: 75949

Ion Ratio Lower Upper

104 100

78 55.1 43.8 65.8

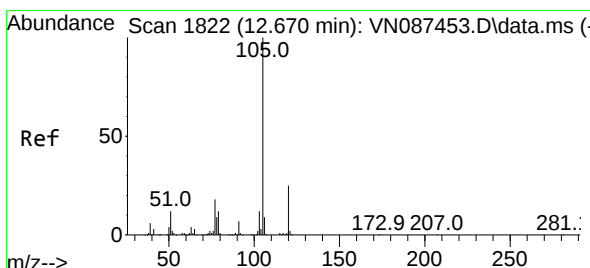
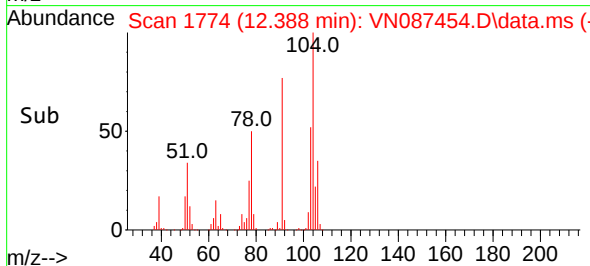
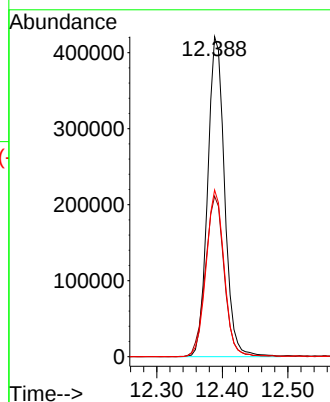
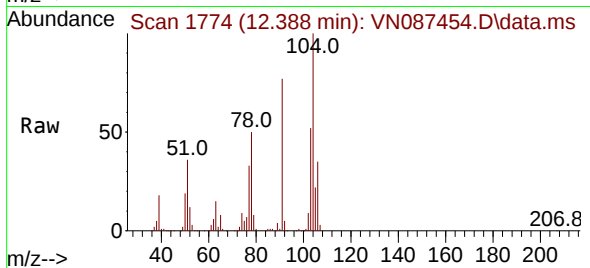
103 55.3 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#70

Isopropylbenzene

Concen: 45.666 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.006 min

Lab File: VN087454.D

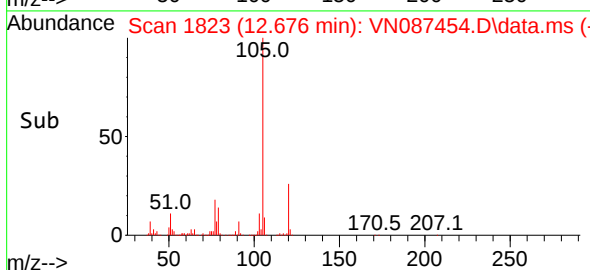
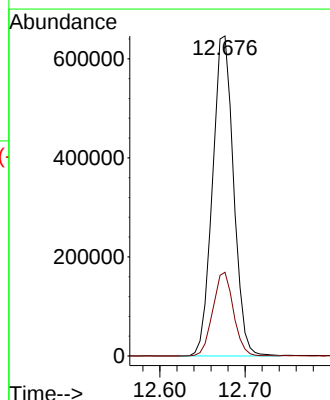
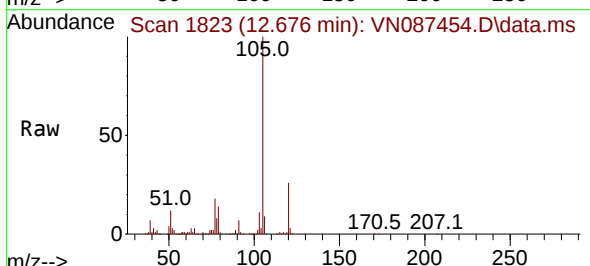
Acq: 05 Aug 2025 14:19

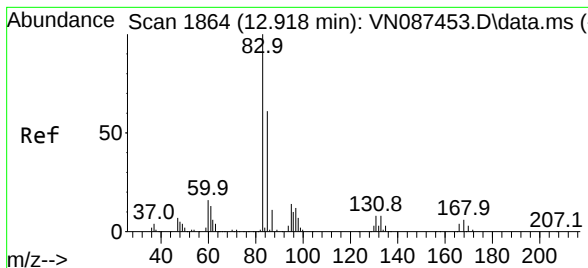
Tgt Ion:105 Resp: 1111500

Ion Ratio Lower Upper

105 100

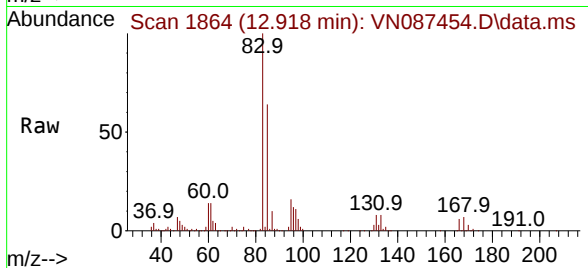
120 25.5 17.5 32.5





#71
 1,1,2,2-Tetrachloroethane
 Concen: 45.508 ug/l
 RT: 12.918 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

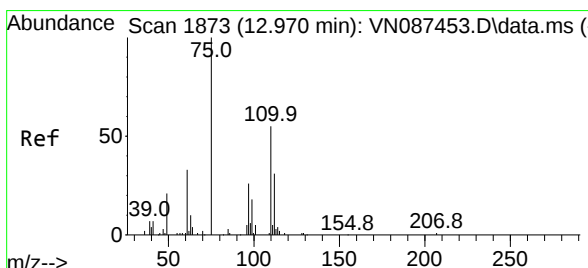
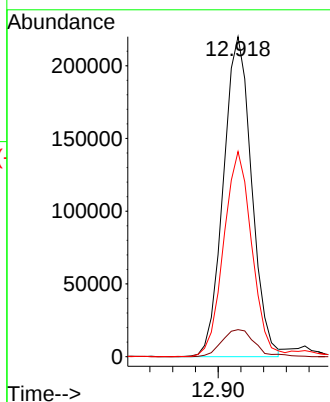
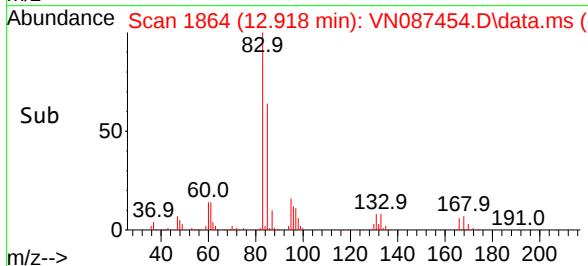
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 83 Resp: 37952
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 64.0 31.7 95.1

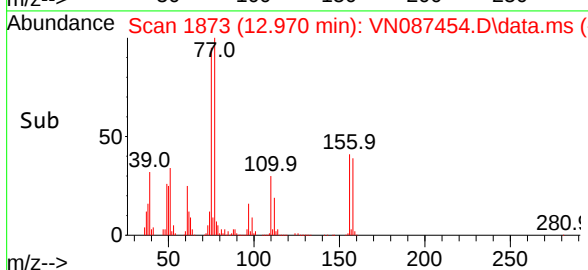
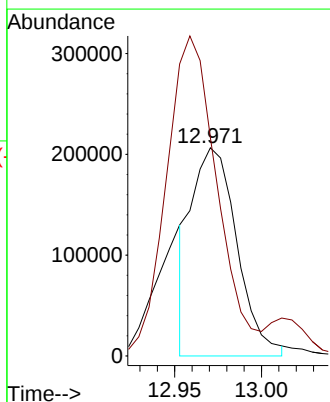
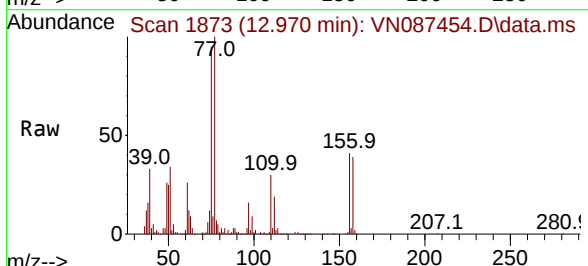
Manual Integrations
 APPROVED

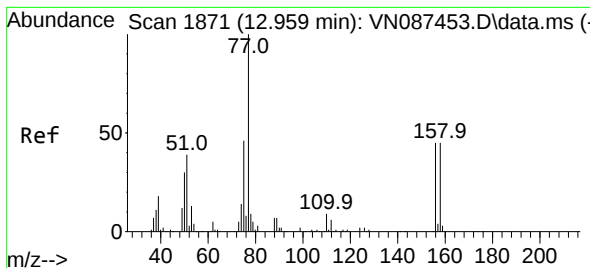
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025



#72
 1,2,3-Trichloropropane
 Concen: 43.638 ug/l m
 RT: 12.970 min Scan# 1873
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Tgt Ion: 75 Resp: 374092
 Ion Ratio Lower Upper
 75 100
 77 173.6 0.0 385.0





#73

Bromobenzene

Concen: 45.330 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

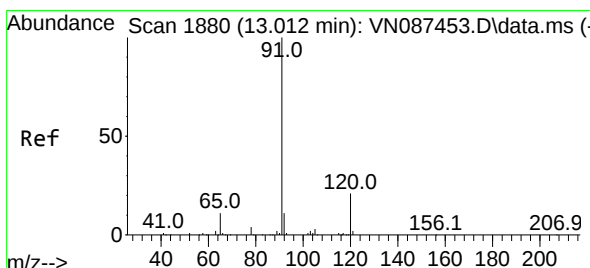
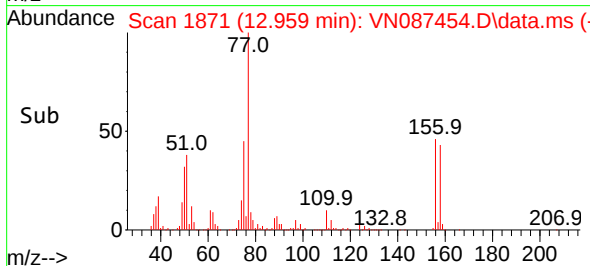
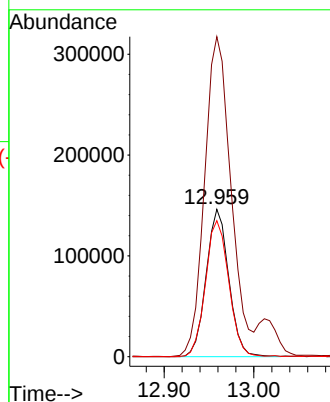
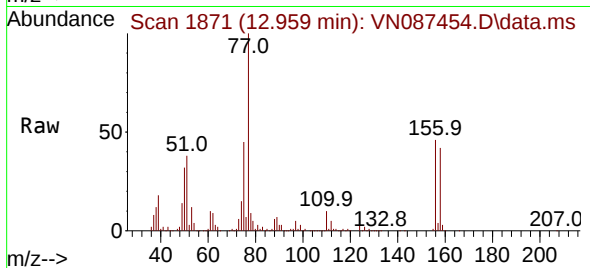
Tgt Ion:	156	Resp:	25577
Ion Ratio	Lower	Upper	
156	100		
77	253.9	0.0	506.6
158	94.9	0.0	193.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/06/2025

Supervised By :Mahesh Dadoda 08/06/2025



#74

n-propylbenzene

Concen: 45.781 ug/l

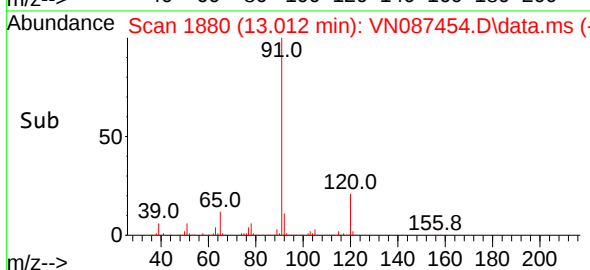
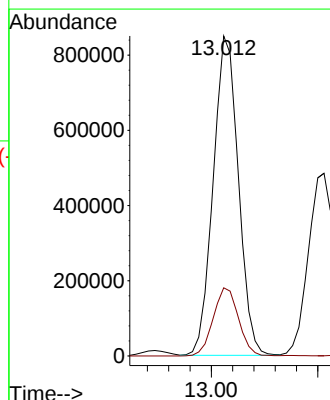
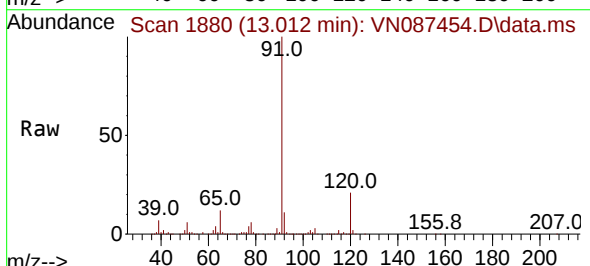
RT: 13.012 min Scan# 1880

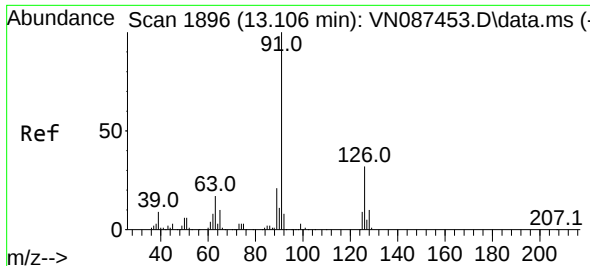
Delta R.T. 0.000 min

Lab File: VN087454.D

Acq: 05 Aug 2025 14:19

Tgt Ion:	91	Resp:	1391658
Ion Ratio	Lower	Upper	
91	100		
120	21.4	0.0	41.8





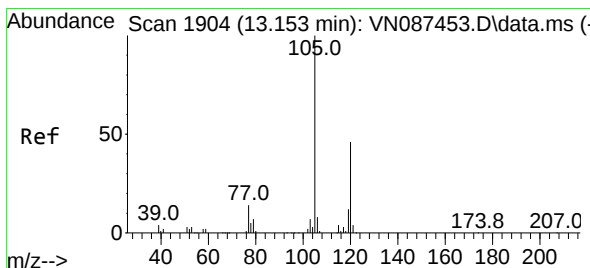
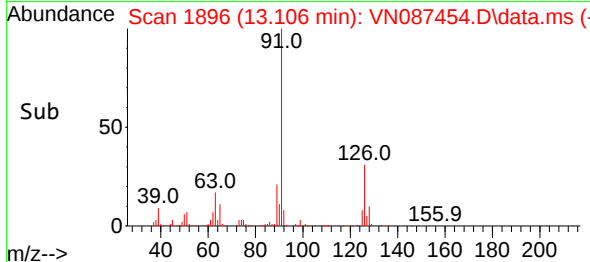
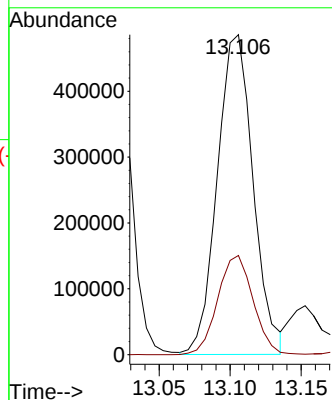
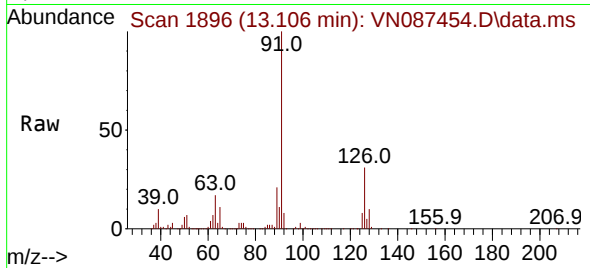
#75
2-Chlorotoluene
Concen: 45.659 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 85376
Ion Ratio Lower Upper
91 100
126 30.6 0.0 60.4

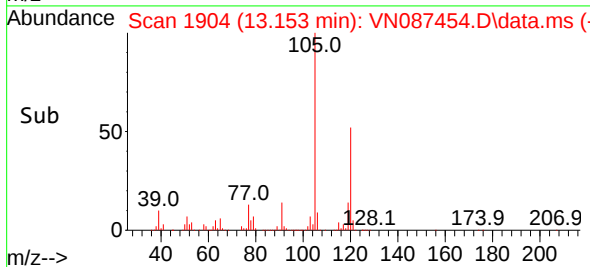
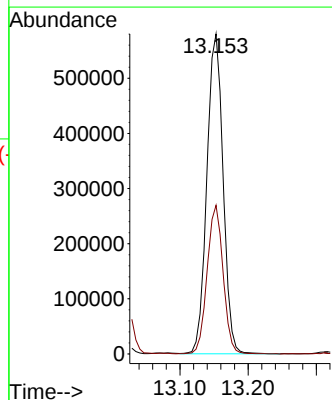
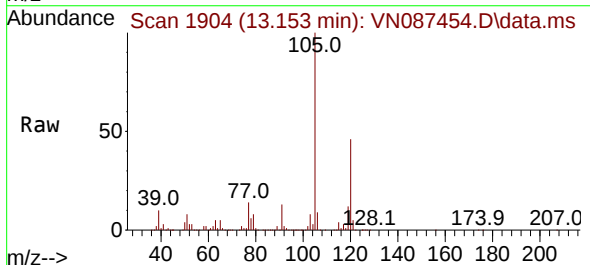
Manual Integrations
APPROVED

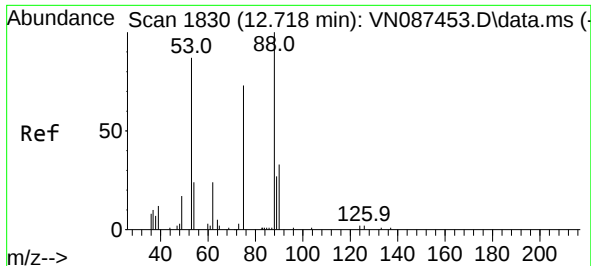
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#76
1,3,5-Trimethylbenzene
Concen: 46.118 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

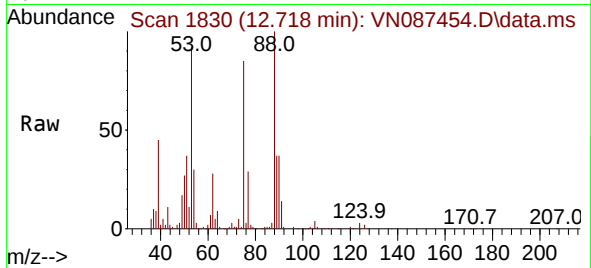
Tgt Ion:105 Resp: 961117
Ion Ratio Lower Upper
105 100
120 45.8 0.0 91.2





#77
t-1,4-Dichloro-2-butene
Concen: 48.111 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

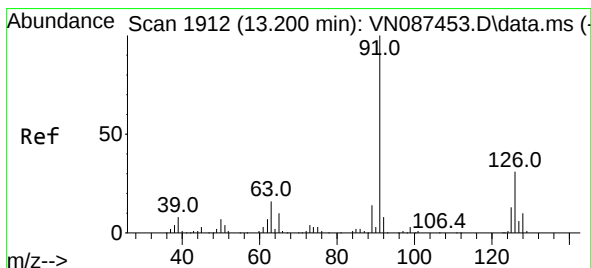
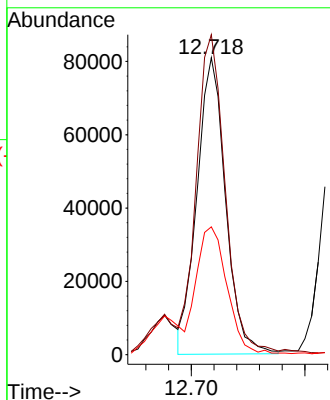
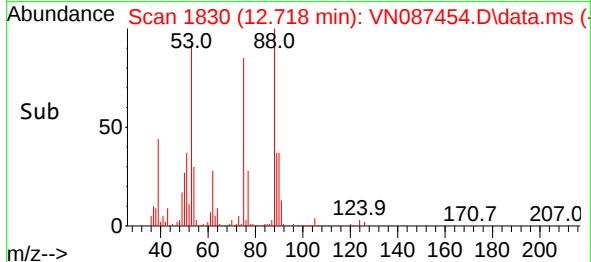
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 75 Resp: 141490
Ion Ratio Lower Upper
75 100
53 107.7 59.0 176.8
89 43.0 22.1 66.5

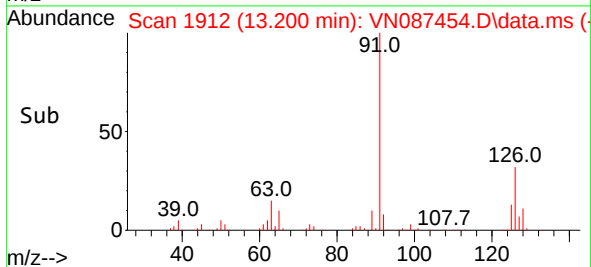
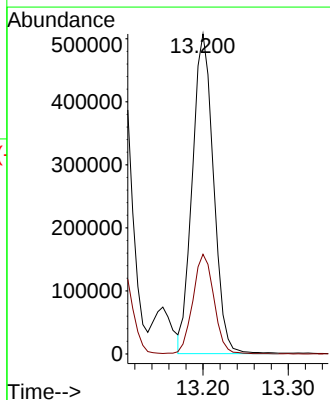
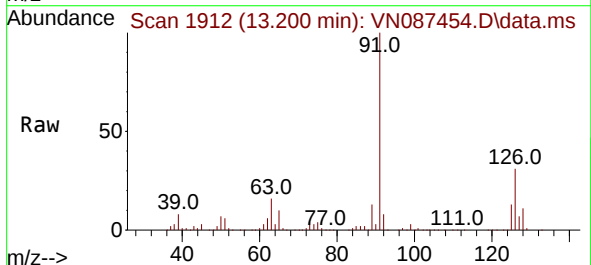
Manual Integrations
APPROVED

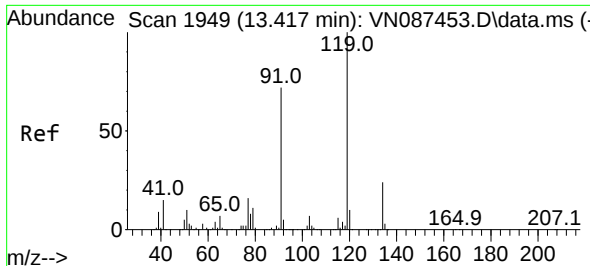
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#78
4-Chlorotoluene
Concen: 46.192 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

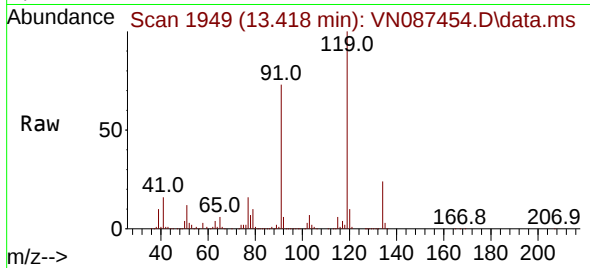
Tgt Ion: 91 Resp: 875292
Ion Ratio Lower Upper
91 100
126 31.1 0.0 63.2





#79
tert-butylbenzene
Concen: 46.311 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

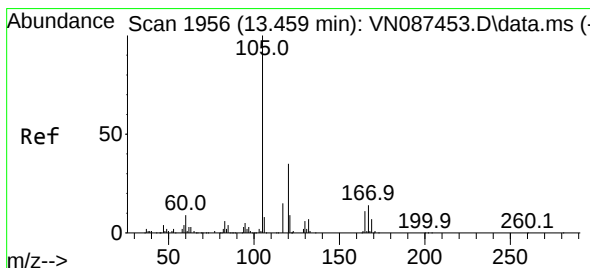
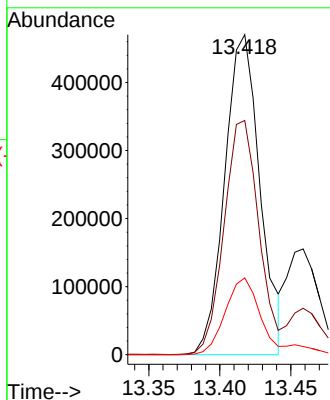
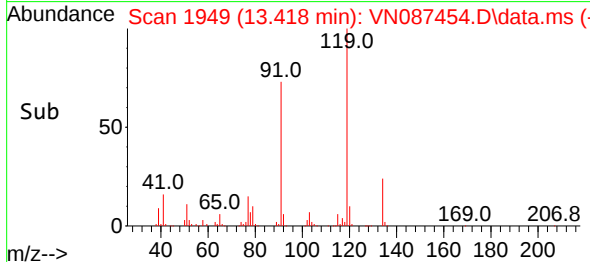
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



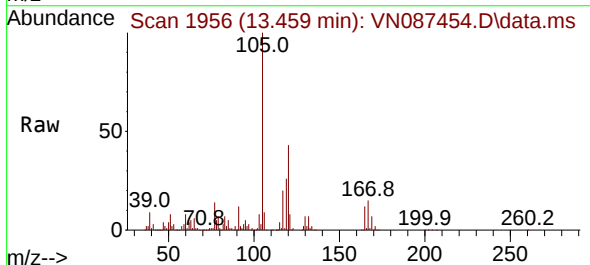
Tgt Ion:119 Resp: 813723
Ion Ratio Lower Upper
119 100
91 72.0 0.0 141.6
134 23.1 0.0 45.6

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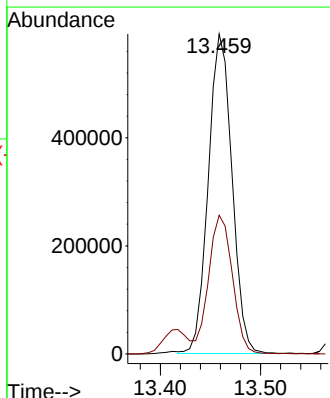
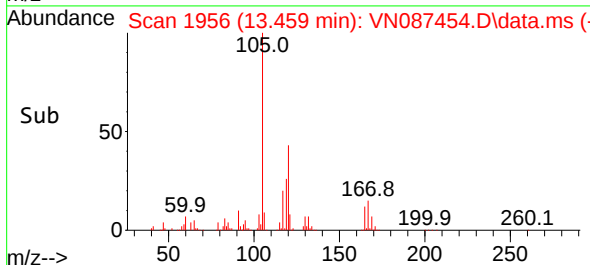
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

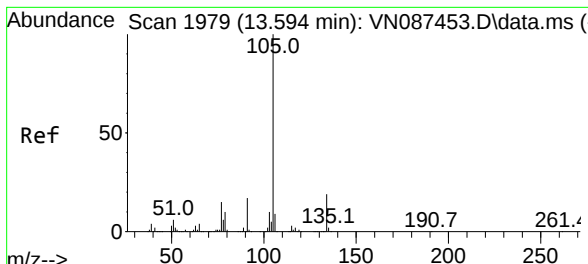


#80
1,2,4-Trimethylbenzene
Concen: 46.640 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



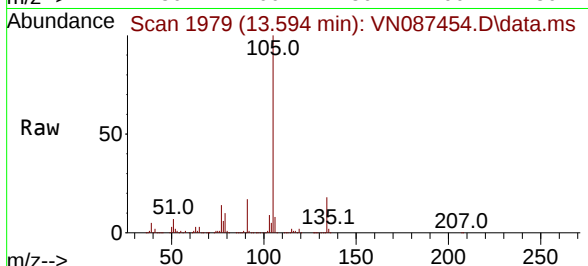
Tgt Ion:105 Resp: 971243
Ion Ratio Lower Upper
105 100
120 43.9 0.0 87.2





#81
 sec-Butylbenzene
 Concen: 46.465 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

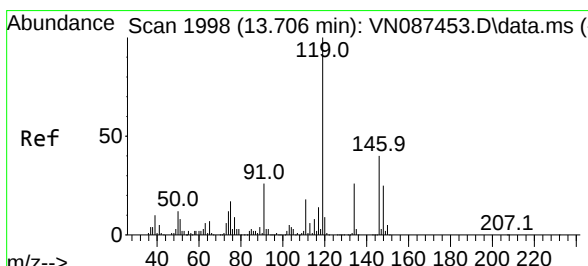
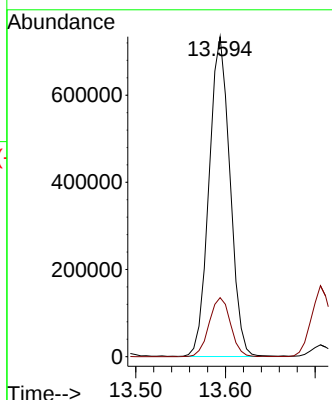
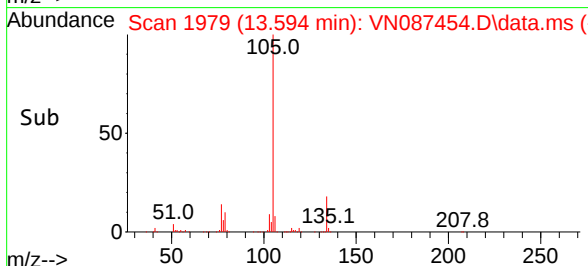
Instrument : MSVOA_N
 ClientSampleId : VSTDIC050



Tgt Ion:105 Resp: 118855
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 37.6

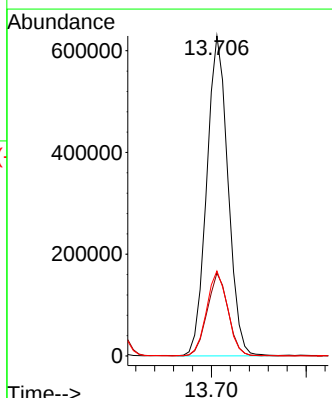
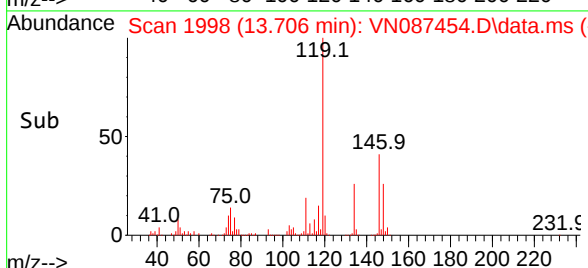
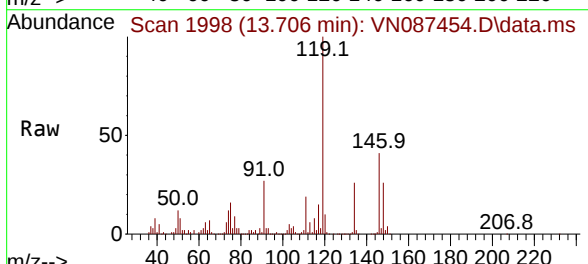
Manual Integrations
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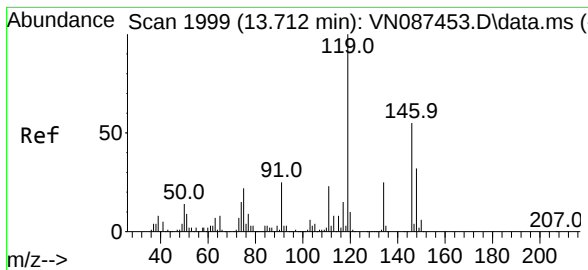
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025



#82
 p-Isopropyltoluene
 Concen: 46.251 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

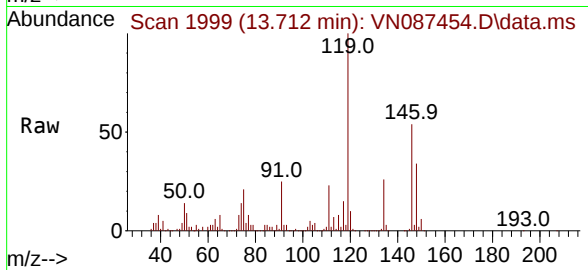
Tgt Ion:119 Resp: 982310
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 51.4
 91 26.1 0.0 52.0





#83
 1,3-Dichlorobenzene
 Concen: 46.509 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

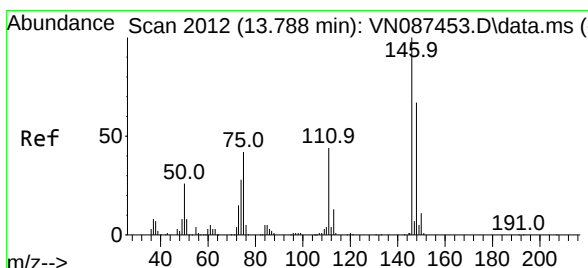
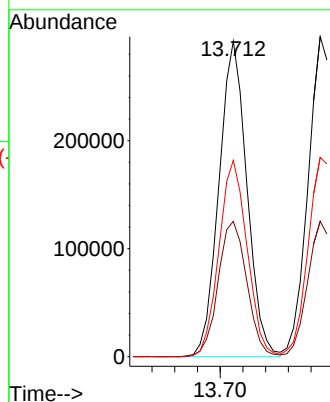
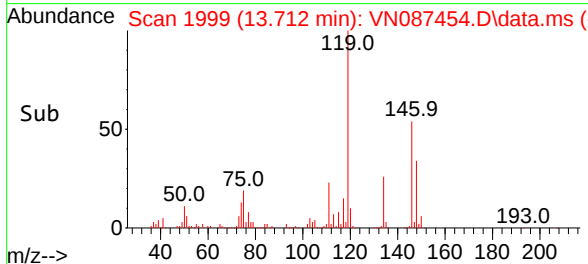
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



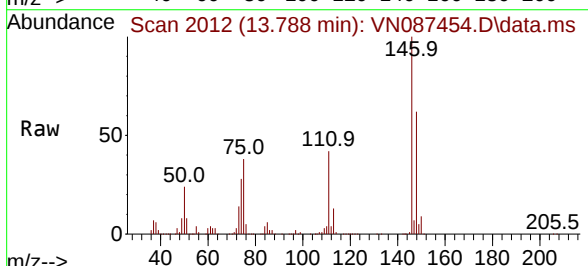
Tgt Ion:146 Resp: 499720
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.9 65.5
 148 62.7 31.3 93.9

Manual Integrations
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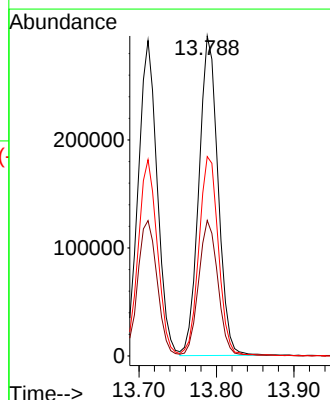
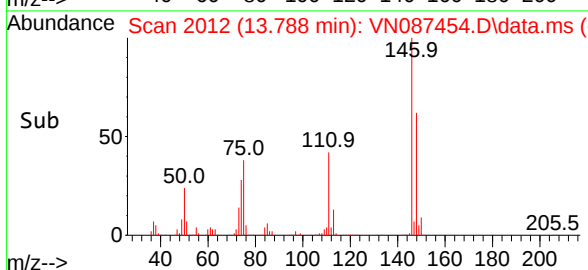
Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025

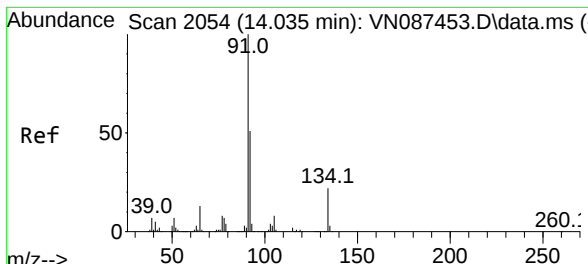


#84
 1,4-Dichlorobenzene
 Concen: 46.603 ug/l
 RT: 13.788 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19



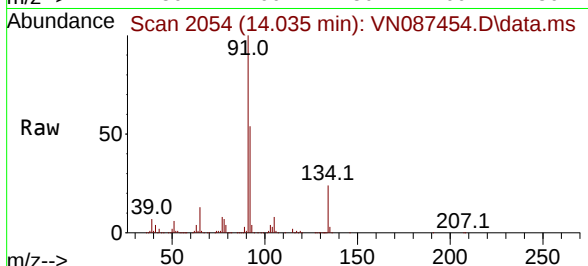
Tgt Ion:146 Resp: 507658
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.1 63.1
 148 63.3 31.4 94.3





#85
n-Butylbenzene
Concen: 46.785 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

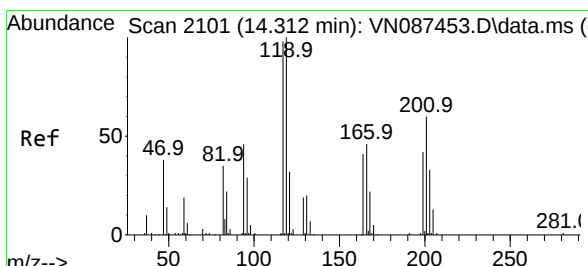
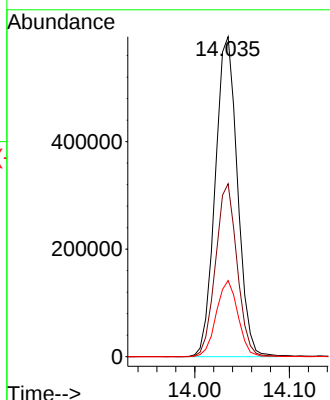
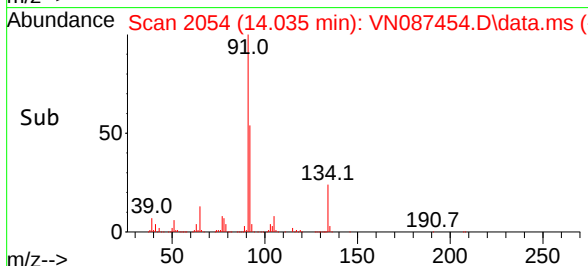
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 91 Resp: 972192
Ion Ratio Lower Upper
91 100
92 52.4 0.0 106.6
134 23.2 0.0 44.4

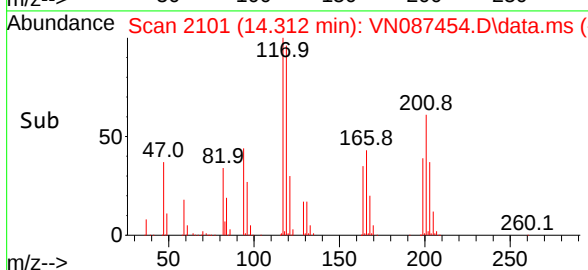
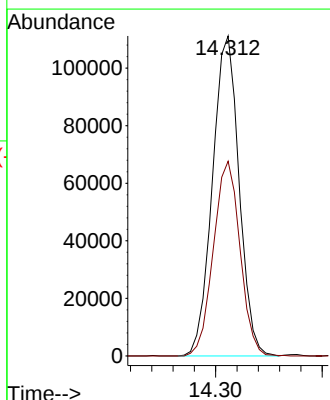
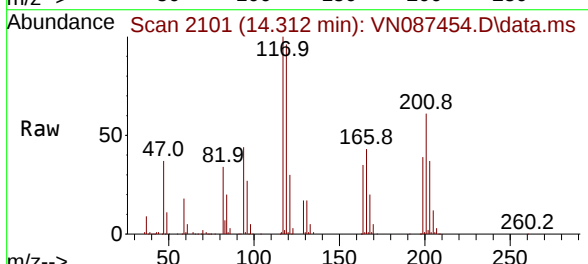
Manual Integrations
APPROVED

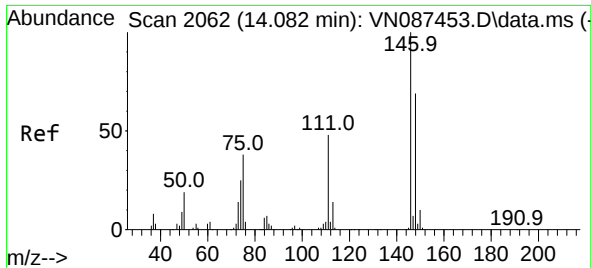
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#86
Hexachloroethane
Concen: 46.458 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Tgt Ion:117 Resp: 192686
Ion Ratio Lower Upper
117 100
201 60.7 29.1 87.4





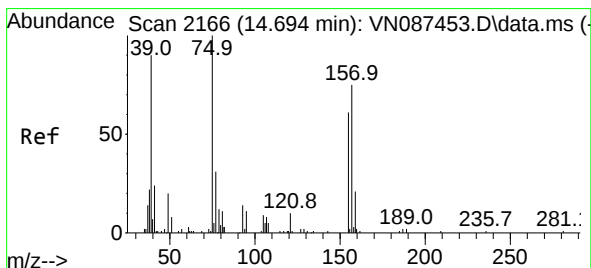
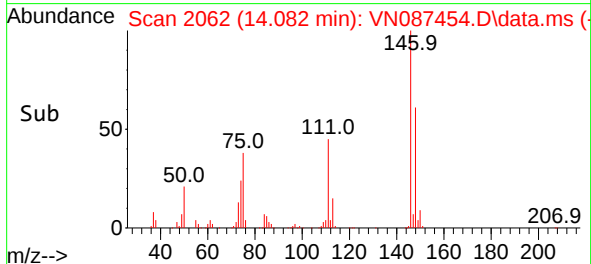
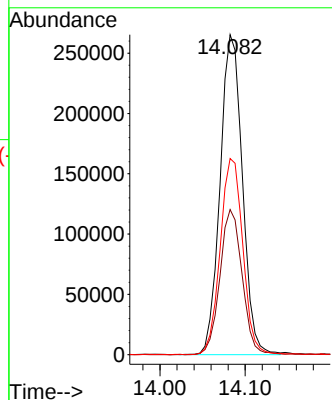
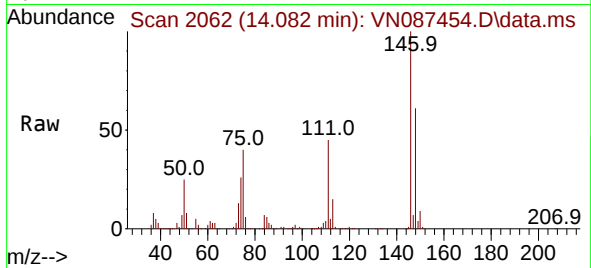
#87
1,2-Dichlorobenzene
Concen: 47.005 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:146 Resp: 48209
Ion Ratio Lower Upper
146 100
111 45.2 22.9 68.7
148 62.4 31.6 94.7

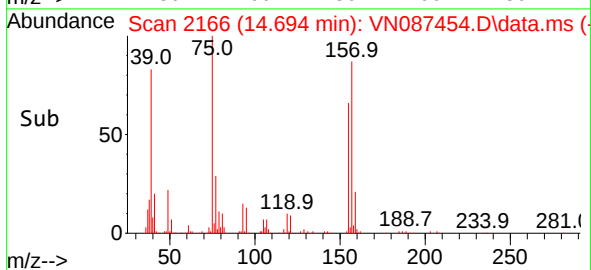
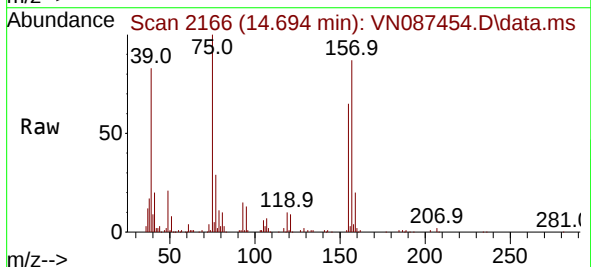
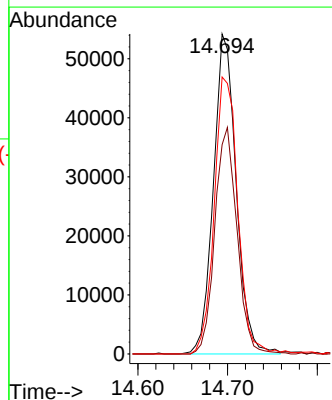
Manual Integrations
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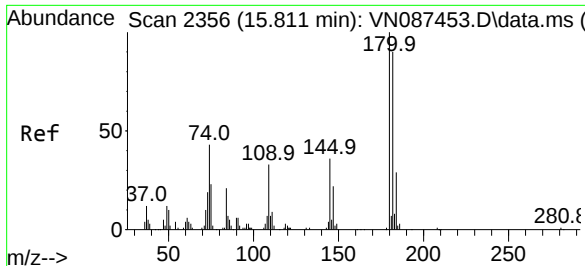
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 45.236 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

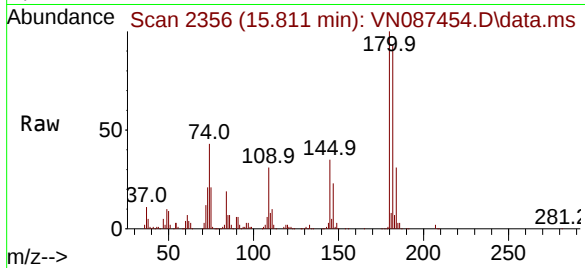
Tgt Ion: 75 Resp: 95570
Ion Ratio Lower Upper
75 100
155 69.0 55.7 83.5
157 89.7 65.8 98.6





#89
1,2,4-Trichlorobenzene
Concen: 45.643 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19

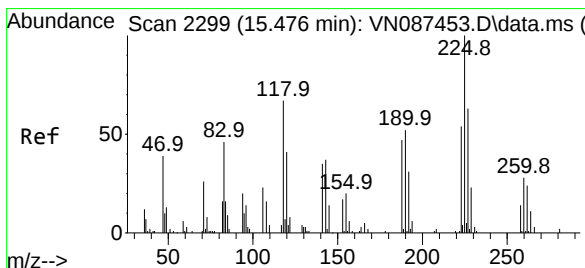
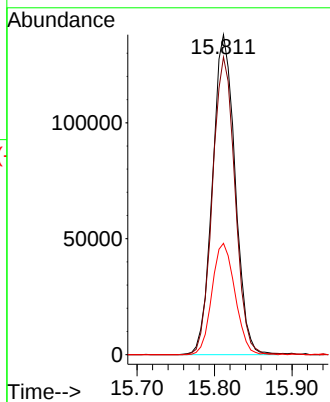
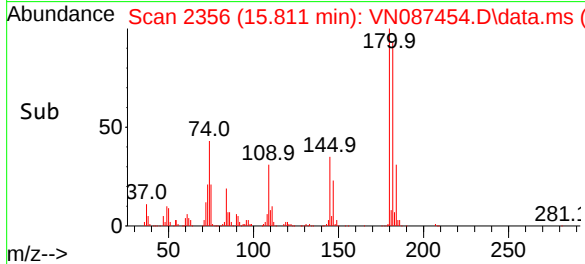
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



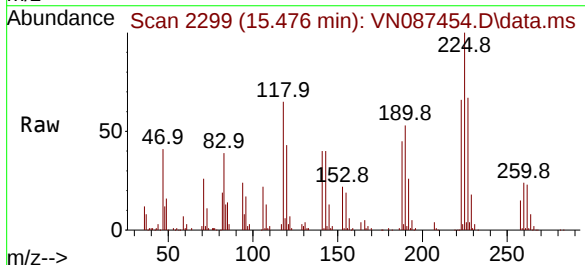
Tgt Ion:180 Resp: 279770
Ion Ratio Lower Upper
180 100
182 92.5 75.0 112.4
145 35.5 28.6 43.0

Manual Integrations
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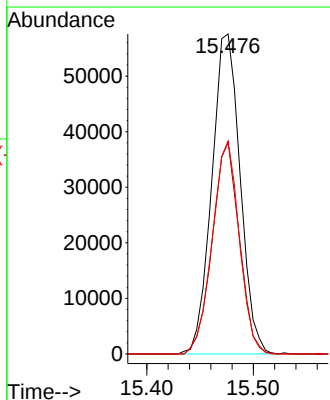
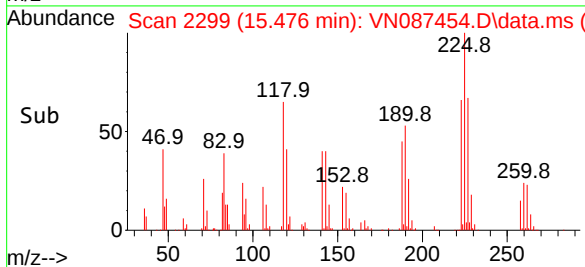
Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

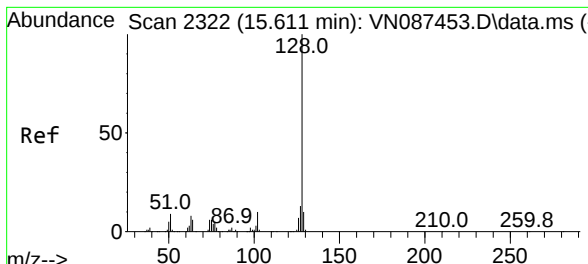


#90
Hexachlorobutadiene
Concen: 44.624 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087454.D
Acq: 05 Aug 2025 14:19



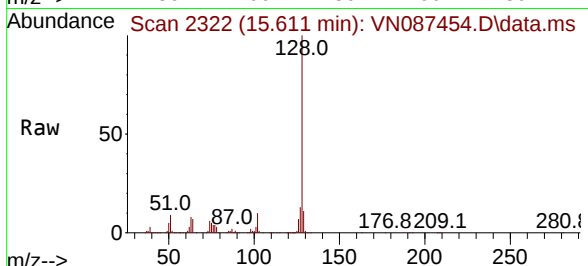
Tgt Ion:225 Resp: 106360
Ion Ratio Lower Upper
225 100
223 63.0 0.0 116.0
227 63.2 0.0 127.0





#91
 Naphthalene
 Concen: 46.078 ug/l
 RT: 15.611 min Scan# 2322
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19

Instrument : MSVOA_N
 ClientSampleId : VSTDIC050

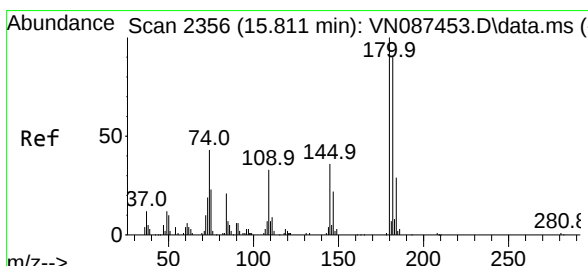
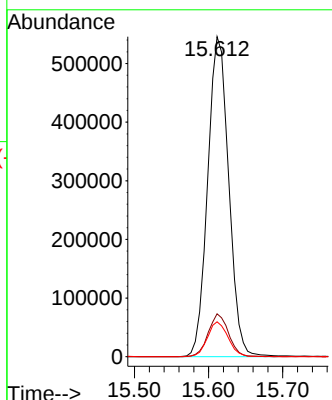
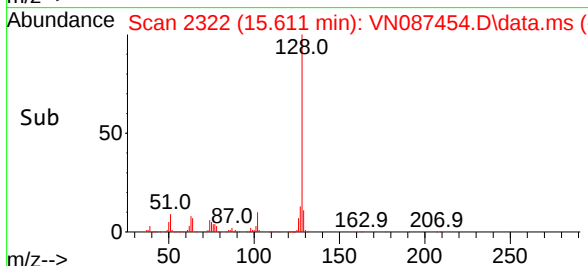


Tgt Ion:128 Resp: 107691

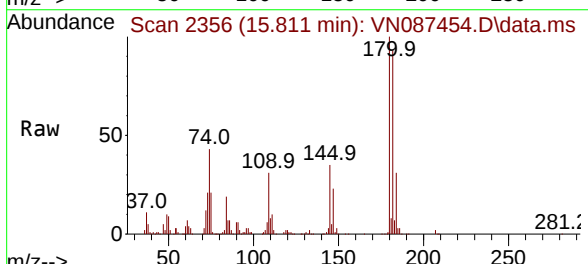
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.9	13.3

Manual Integrations
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Reviewed By :John Carlone 08/06/2025
 Supervised By :Mahesh Dadoda 08/06/2025



#92
 1,2,3-Trichlorobenzene
 Concen: 45.643 ug/l
 RT: 15.811 min Scan# 2356
 Delta R.T. 0.000 min
 Lab File: VN087454.D
 Acq: 05 Aug 2025 14:19



Tgt Ion:180 Resp: 279770

Ion	Ratio	Lower	Upper
180	100		
182	92.5	0.0	187.4
145	35.5	0.0	71.6

