

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087423.D
 Acq On : 28 Jul 2025 11:09
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 28 11:32:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:25:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2025
 Supervised By : Mahesh Dadoda 07/29/2025

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

Internal Standards						
1) Bromochloromethane	7.806	128	85090	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.082	114	484226	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	438458	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	200988	28.641	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.467%
60) 4-Bromofluorobenzene	12.829	95	217172	29.689	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.967%
63) Toluene-d8	10.547	98	600918	30.137	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.467%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	887278	170.419	ug/l	90
3) Chloromethane	2.383	50	917274	177.375	ug/l	94
4) Vinyl Chloride	2.536	62	903850	158.586	ug/l	96
5) Bromomethane	2.953	94	451616	128.050	ug/l	89
6) Chloroethane	3.124	64	502218	114.657	ug/l	87
7) Trichlorofluoromethane	3.500	101	1152387	118.891	ug/l	95
8) Diethyl Ether	3.959	74	468638	121.460	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	616302	119.979	ug/l #	71
10) 1,1-Dichloroethene	4.330	96	635138	119.097	ug/l	88
11) Methyl Iodide	4.577	142	737654	189.617	ug/l	88
12) Methyl Acetate	5.018	43	1395036	201.113	ug/l	96
13) Acrolein	4.171	56	645858	512.154	ug/l	97
14) Acrylonitrile	5.712	53	2965994	936.295	ug/l	98
15) Acetone	4.418	58	628469	561.933	ug/l	98
16) Carbon Disulfide	4.700	76	2163606	157.095	ug/l	97
17) Allyl chloride	5.012	41	1477974	202.307	ug/l	89
18) Methylene Chloride	5.259	84	901829	167.088	ug/l	86
19) trans-1,2-Dichloroethene	5.771	96	853536	162.974	ug/l	91
20) Diisopropyl ether	6.659	45	3355459	181.635	ug/l	96
21) 1,1-Dichloroethane	6.553	63	1659372	168.172	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	1039103	169.384	ug/l	98
23) tert-Butyl Alcohol	5.530	59	1115332	1027.310	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	3133581	181.825	ug/l	99
25) Chloroform	7.953	83	1693639	156.721	ug/l	93
26) Cyclohexane	8.241	56	1515664	206.046	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	1164864	140.999	ug/l	99
30) 2-Butanone	7.471	43	4192675	745.186	ug/l	99
31) 2,2-Dichloropropane	7.471	77	1417502	130.649	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	1407597	130.182	ug/l	99
33) Carbon Tetrachloride	8.347	117	1159544	123.445	ug/l	95
34) Benzene	8.588	78	3797675	142.331	ug/l	97
35) Methacrylonitrile	7.765	41	975762	164.918	ug/l	92
36) 1,2-Dichloroethane	8.653	62	1287860	122.349	ug/l	97
37) Trichloroethene	9.335	130	850471	139.670	ug/l	99
38) Methylcyclohexane	9.582	83	1459767	167.148	ug/l	97
39) 1,2-Dichloropropane	9.606	63	951754	141.986	ug/l	97
40) Dibromomethane	9.694	93	673138	129.796	ug/l	98
41) Bromodichloromethane	9.871	83	1385561	134.560	ug/l	91
42) Vinyl Acetate	6.594	43	13563324	711.638	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	1725978m	150.687	ug/l	
44) Isopropyl Acetate	8.677	43	2805264	155.138	ug/l	99
45) 1,4-Dioxane	9.682	88	338417	3037.633	ug/l #	53
46) Methyl methacrylate	9.665	41	1339708	160.887	ug/l	96
47) n-amyl Acetate	12.482	43	1803266	166.410	ug/l #	60
48) t-1,3-Dichloropropene	10.818	75	1593280	145.045	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	1644925	149.732	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	921075	137.520	ug/l	95
51) Ethyl methacrylate	10.859	69	1723847	168.305	ug/l	98
52) 1,3-Dichloropropane	11.141	76	1602154	139.125	ug/l	97
53) Dibromochloromethane	11.341	129	1069124	136.192	ug/l	100
54) 1,2-Dibromoethane	11.453	107	979971	142.742	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	2987223	524.274	ug/l	97
56) Bromoform	12.559	173	756099	135.423	ug/l	99
58) 4-Methyl-2-Pentanone	10.429	43	8049077	750.746	ug/l	99
59) 2-Hexanone	11.176	43	5903547	815.782	ug/l	98
61) Tetrachloroethene	11.082	164	690374	140.998	ug/l	91
62) Toluene	10.612	91	4106334	153.781	ug/l	97
64) Chlorobenzene	11.870	112	2523340	147.808	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.941	131	847400	135.830	ug/l	97
66) Ethyl Benzene	11.941	91	4462413	154.361	ug/l	96
67) m/p-Xylenes	12.053	106	3275723	286.328	ug/l	97
68) o-Xylene	12.376	106	1614502	147.118	ug/l	96
69) Styrene	12.388	104	2806625	146.993	ug/l	98
70) Isopropylbenzene	12.676	105	4192456	151.685	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	1427927	146.862	ug/l	96
72) 1,2,3-Trichloropropane	12.970	75	1301897m	149.882	ug/l	
73) Bromobenzene	12.959	156	965351	134.187	ug/l	90
74) n-propylbenzene	13.017	91	5155110	147.698	ug/l	99
75) 2-Chlorotoluene	13.106	91	3073937	146.634	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	3462485	144.023	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	607084	174.881	ug/l	86
78) 4-Chlorotoluene	13.200	91	3133622	140.158	ug/l	98
79) tert-butylbenzene	13.417	119	2945071	144.242	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	3355857	136.739	ug/l	96
81) sec-Butylbenzene	13.594	105	4372437	148.387	ug/l	99
82) p-Isopropyltoluene	13.706	119	3459843	136.804	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	1780579	122.841	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	1882449	131.573	ug/l	98
85) n-Butylbenzene	14.035	91	3588595	154.069	ug/l	97
86) Hexachloroethane	14.311	117	740407	150.446	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	1782463	130.608	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	329431	145.625	ug/l	97
89) 1,2,4-Trichlorobenzene	15.811	180	1118050	142.014	ug/l	98
90) Hexachlorobutadiene	15.476	225	406978	125.331	ug/l	97
91) Naphthalene	15.611	128	4255804	162.415	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	1118050	142.014	ug/l	98

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

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VSTDICC150

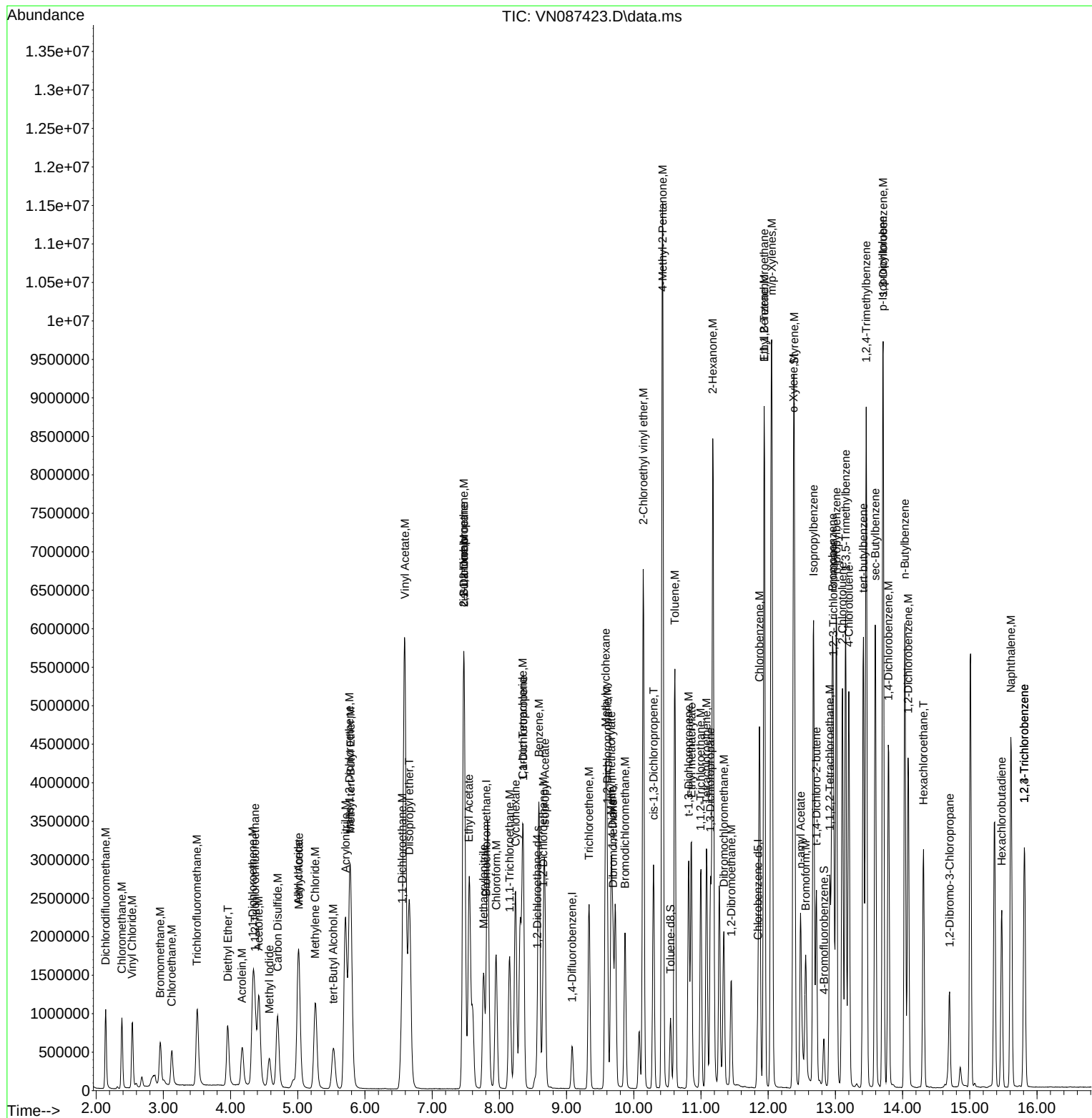
Manual Integrations

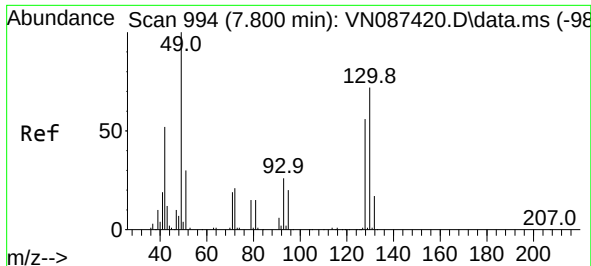
APPROVED

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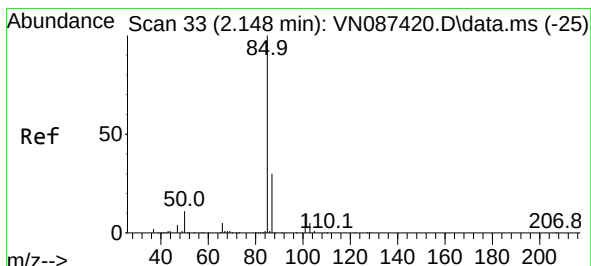
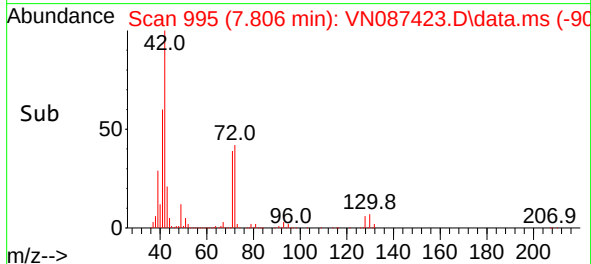
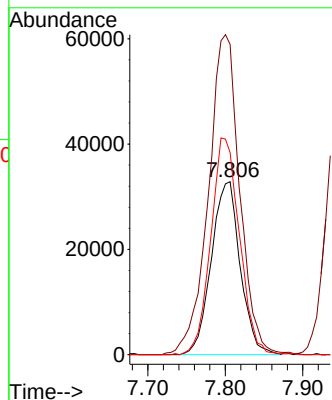
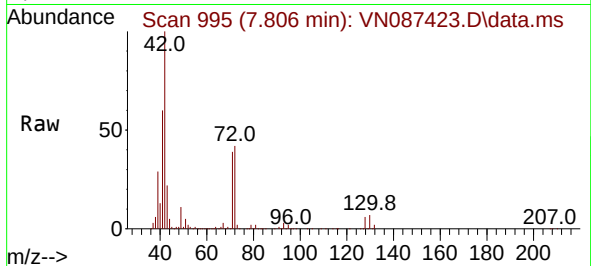
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 994
Delta R.T. 0.012 min
Lab File: VN087423.D
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VSTDICC150

Tgt Ion:128 Resp: 85090
Ion Ratio Lower Upper
128 100
49 200.7 0.0 446.2
130 124.7 0.0 331.0

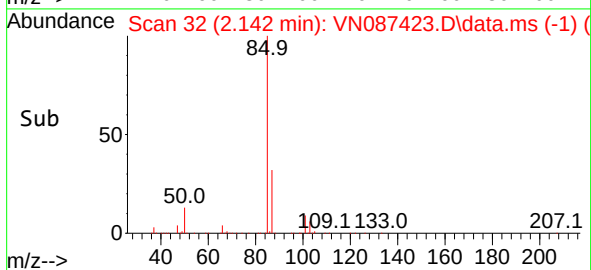
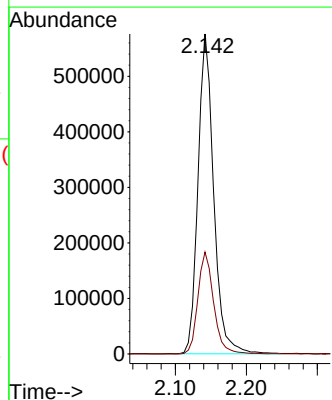
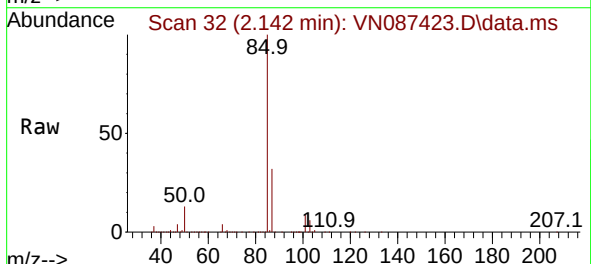
Manual Integrations
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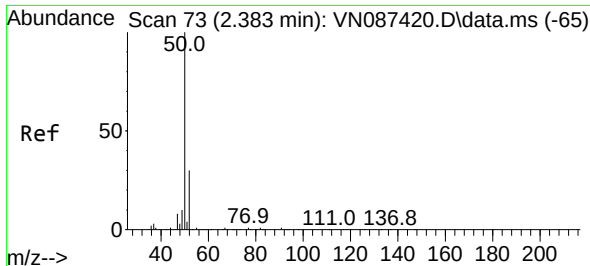
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#2
Dichlorodifluoromethane
Concen: 170.419 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

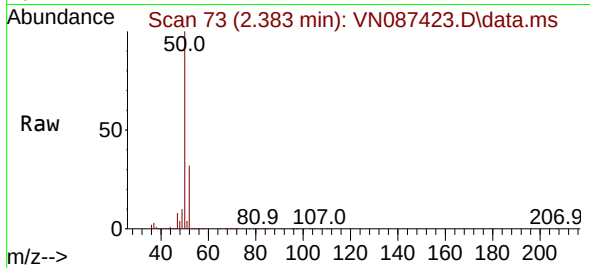
Tgt Ion: 85 Resp: 887278
Ion Ratio Lower Upper
85 100
87 31.9 18.9 56.9





#3
Chloromethane
Concen: 177.375 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

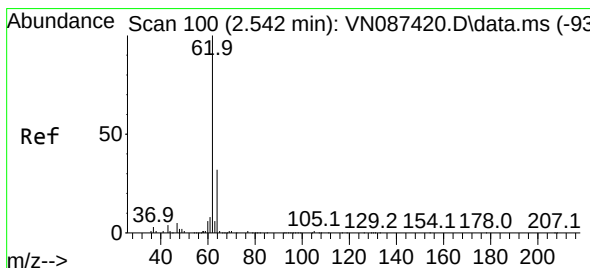
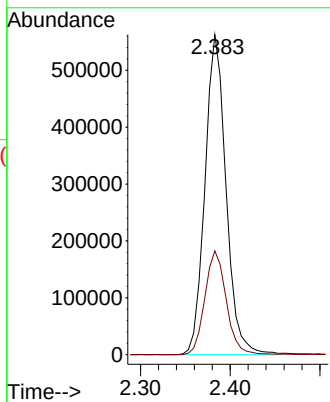
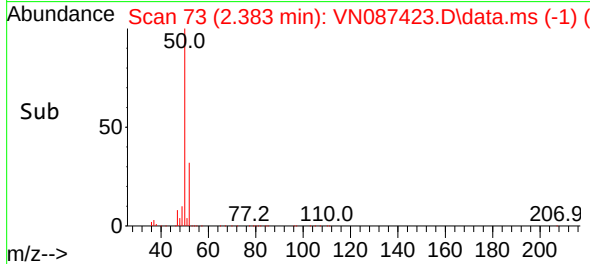
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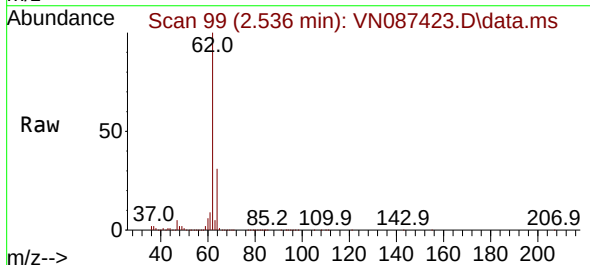
Tgt Ion: 50 Resp: 917274
Ion Ratio Lower Upper
50 100
52 32.4 23.2 34.8

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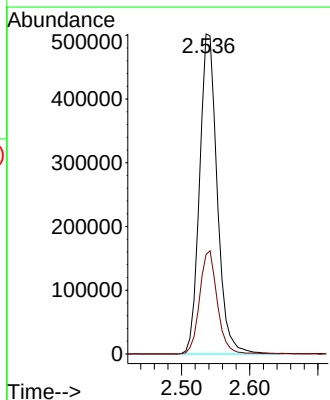
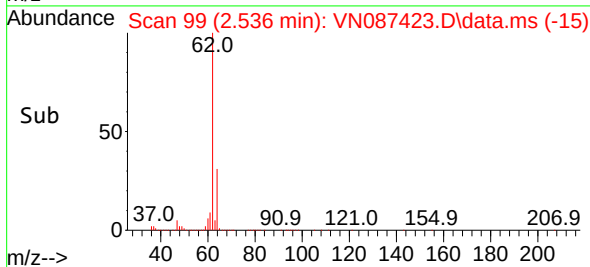
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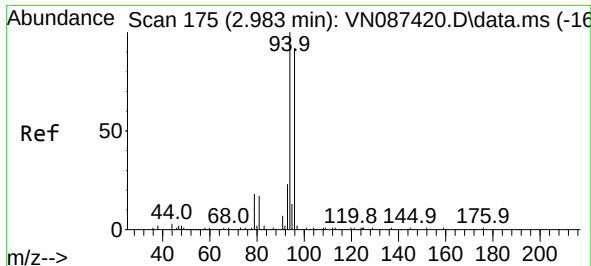


#4
Vinyl Chloride
Concen: 158.586 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



Tgt Ion: 62 Resp: 903850
Ion Ratio Lower Upper
62 100
64 31.0 23.2 34.8





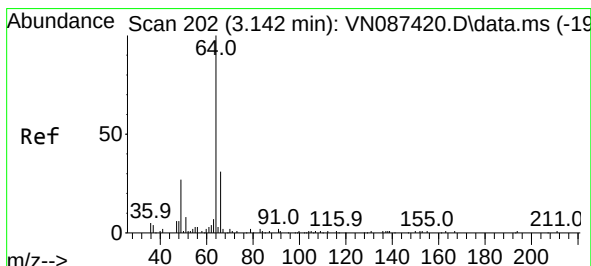
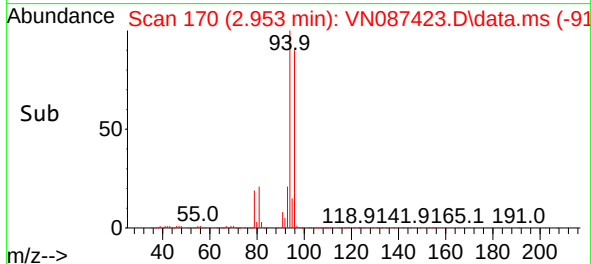
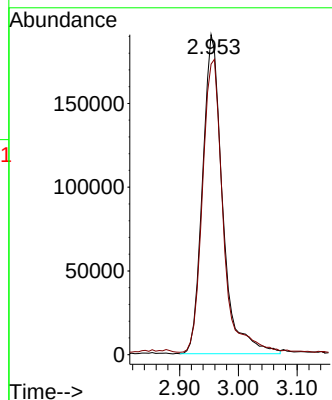
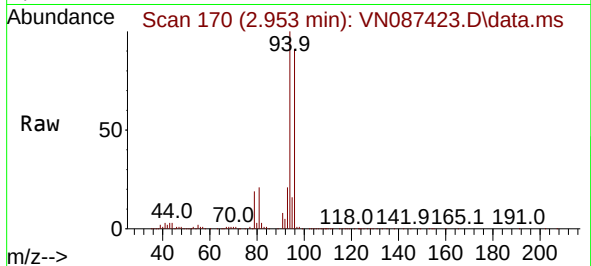
#5
Bromomethane
Concen: 128.050 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN087423.D
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Tgt Ion: 94 Resp: 451610
Ion Ratio Lower Upper
94 100
96 90.3 64.6 96.8

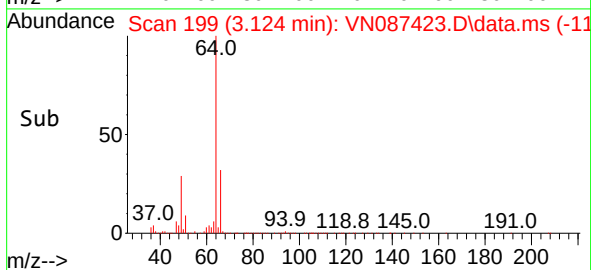
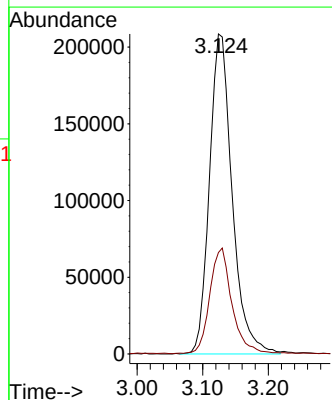
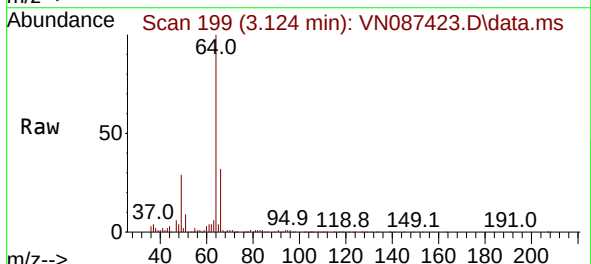
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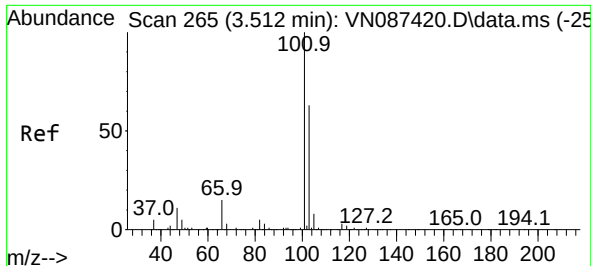
Reviewed By :John Carlone 07/28/2025
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#6
Chloroethane
Concen: 114.657 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.018 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 64 Resp: 502218
Ion Ratio Lower Upper
64 100
66 31.5 31.4 47.2





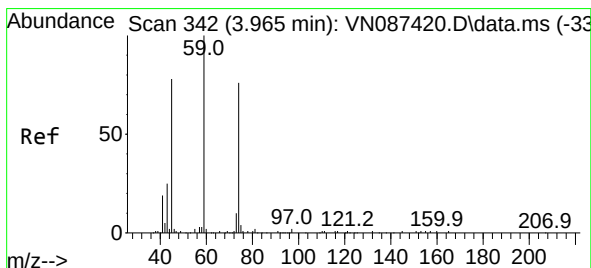
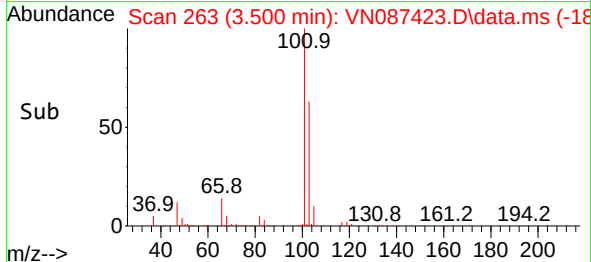
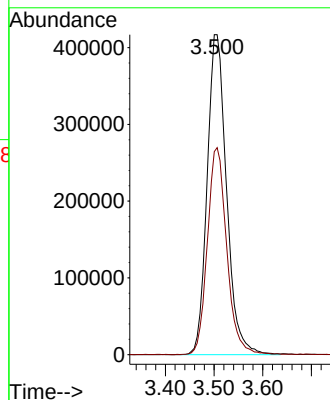
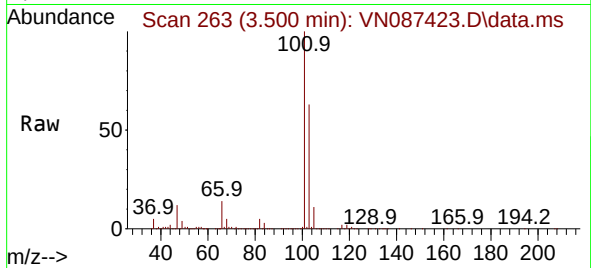
#7
Trichlorofluoromethane
Concen: 118.891 ug/l
RT: 3.500 min Scan# 20
Delta R.T. -0.012 min
Lab File: VN087423.D
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Instrument :
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ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 115238
Ion Ratio Lower Upper
101 100
103 63.4 53.7 80.5

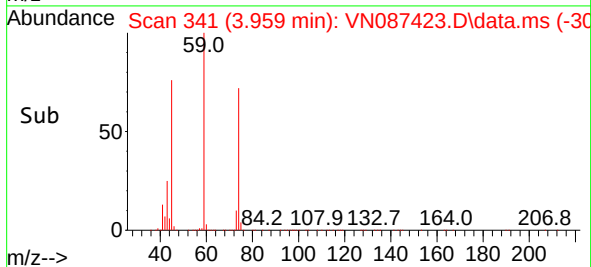
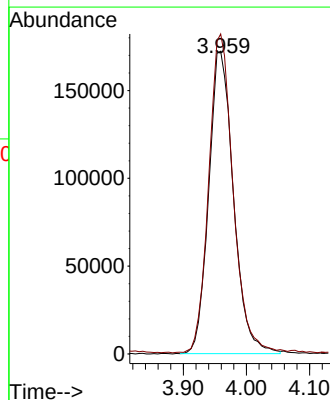
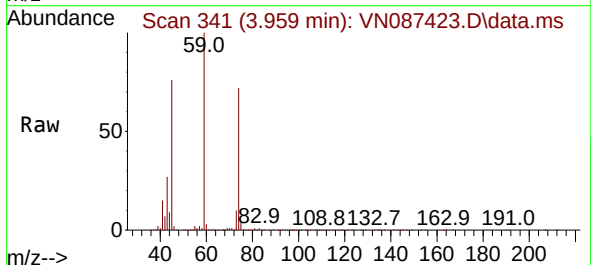
Manual Integrations
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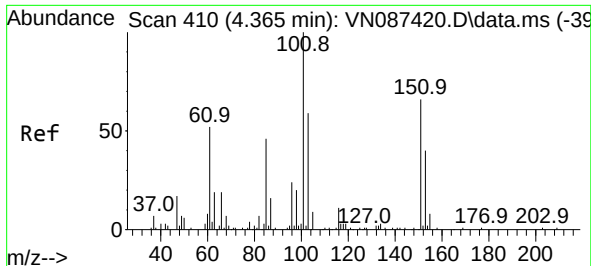
Reviewed By :John Carlone 07/28/2025
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#8
Diethyl Ether
Concen: 121.460 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 74 Resp: 468638
Ion Ratio Lower Upper
74 100
45 103.5 21.4 192.8





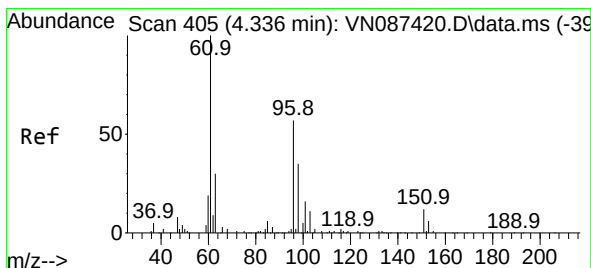
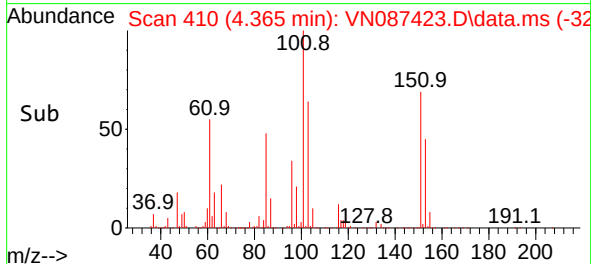
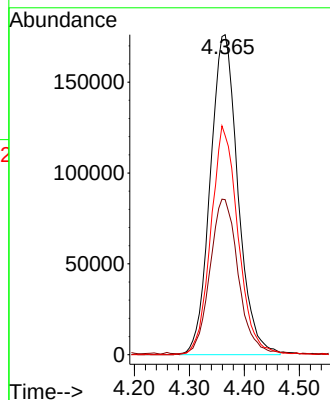
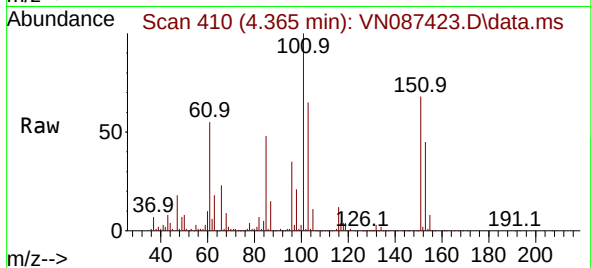
#9
1,1,2-Trichlorotrifluoroethane
Concen: 119.979 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087423.D
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Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 61630
Ion Ratio Lower Upper
101 100
85 49.0 0.0 94.8
151 70.2 0.0 64.8

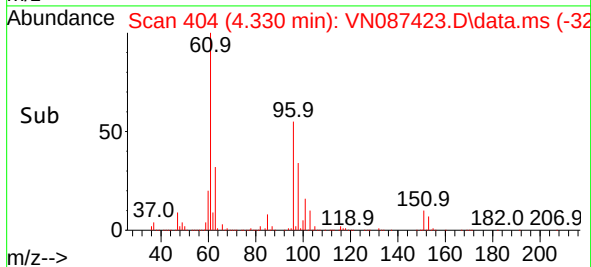
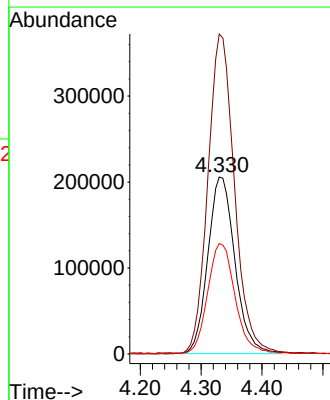
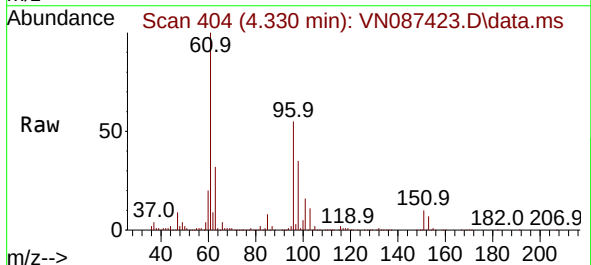
Manual Integrations
APPROVED

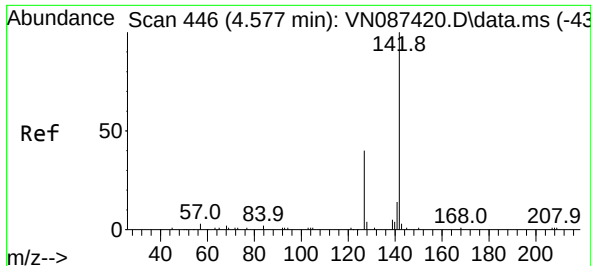
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#10
1,1-Dichloroethene
Concen: 119.097 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

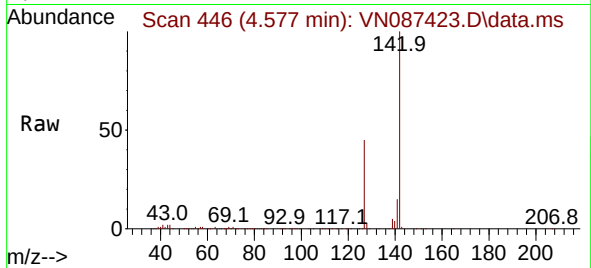
Tgt Ion: 96 Resp: 635138
Ion Ratio Lower Upper
96 100
61 181.1 131.8 197.8
98 62.2 43.0 64.4





#11
Methyl Iodide
Concen: 189.617 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

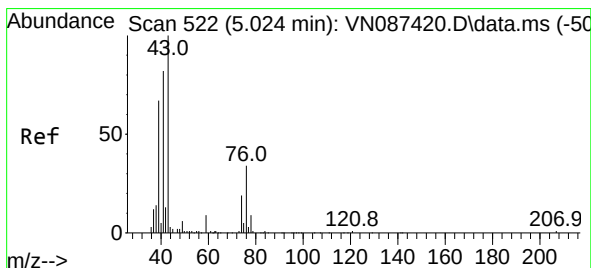
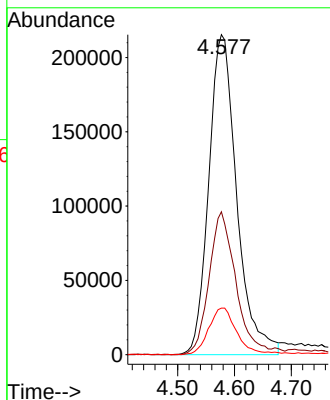
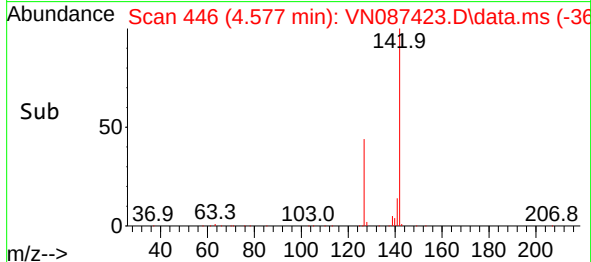
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:142 Resp: 737654
Ion Ratio Lower Upper
142 100
127 44.4 27.7 83.0
141 14.5 7.2 21.6

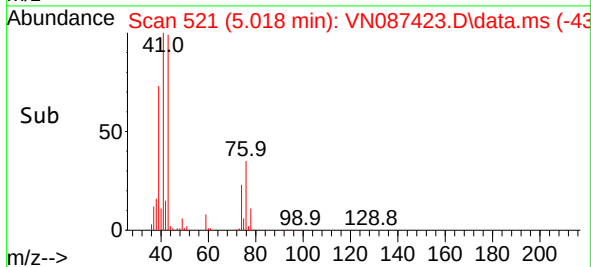
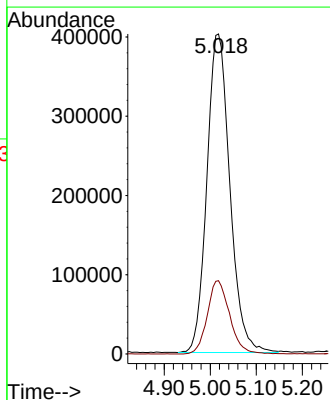
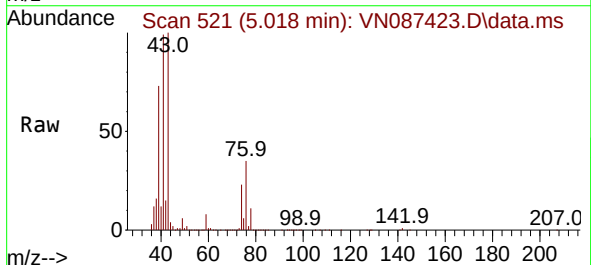
Manual Integrations
APPROVED

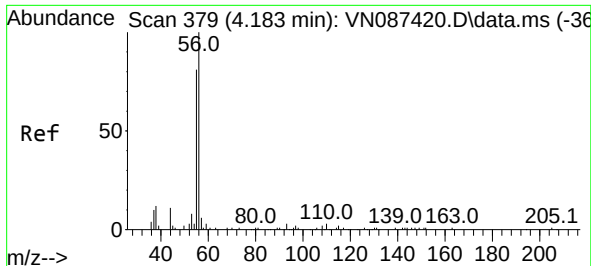
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#12
Methyl Acetate
Concen: 201.113 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

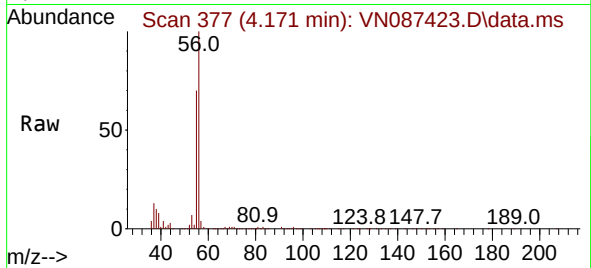
Tgt Ion: 43 Resp: 1395036
Ion Ratio Lower Upper
43 100
74 23.0 16.9 25.3





#13
Acrolein
Concen: 512.154 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

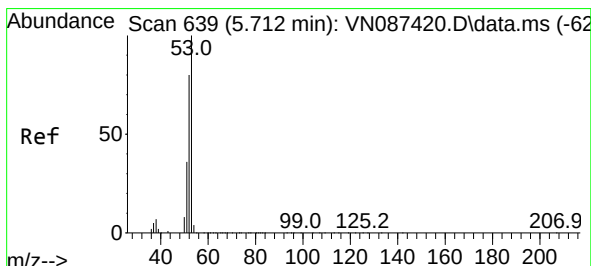
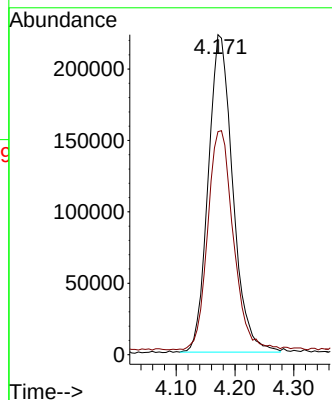
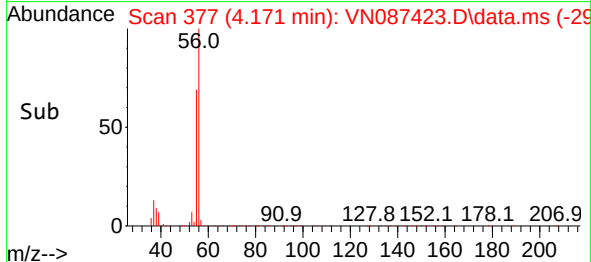
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



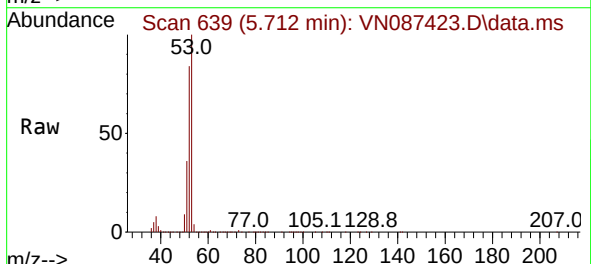
Tgt Ion: 56 Resp: 64585
Ion Ratio Lower Upper
56 100
55 73.2 56.8 85.2

Manual Integrations
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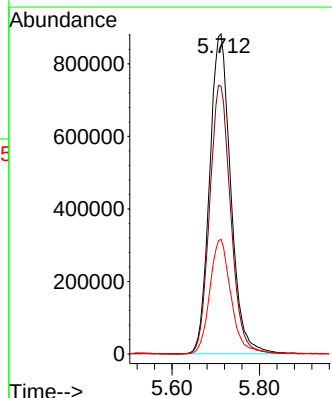
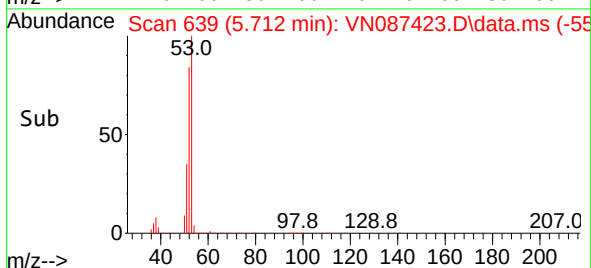
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

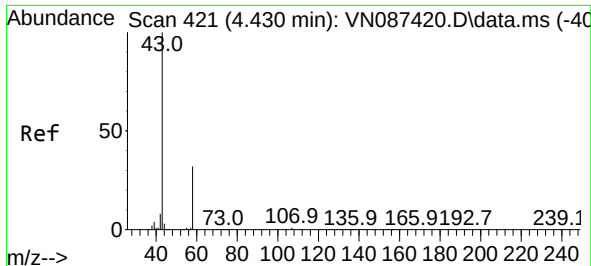


#14
Acrylonitrile
Concen: 936.295 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



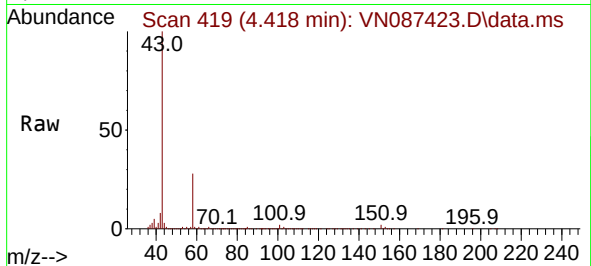
Tgt Ion: 53 Resp: 2965994
Ion Ratio Lower Upper
53 100
52 83.5 41.5 124.6
51 36.2 19.4 58.4





#15
Acetone
Concen: 561.933 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

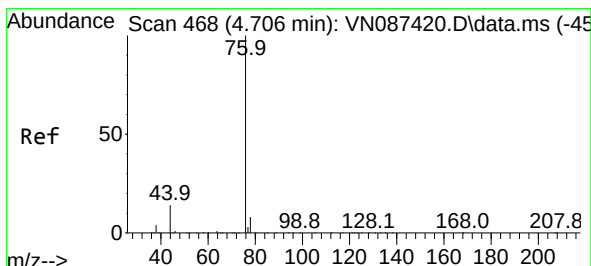
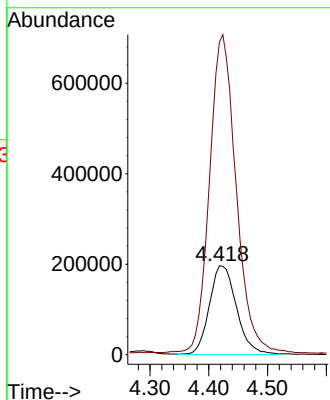
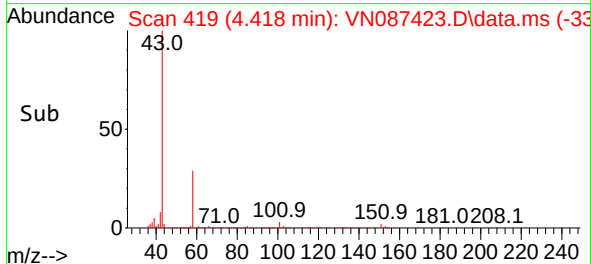
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



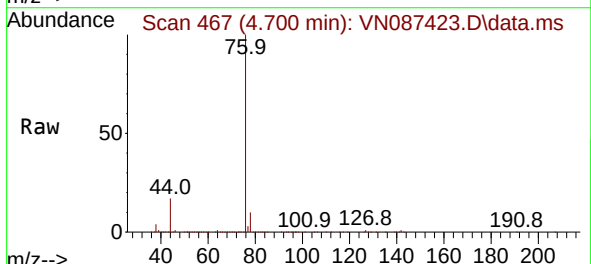
Tgt Ion: 58 Resp: 628469
Ion Ratio Lower Upper
58 100
43 350.5 283.4 425.0

Manual Integrations
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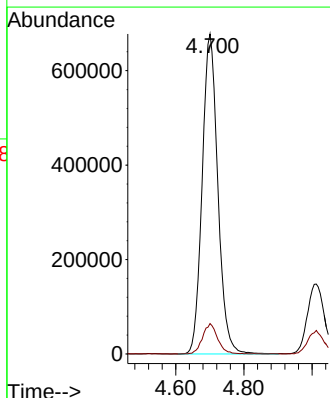
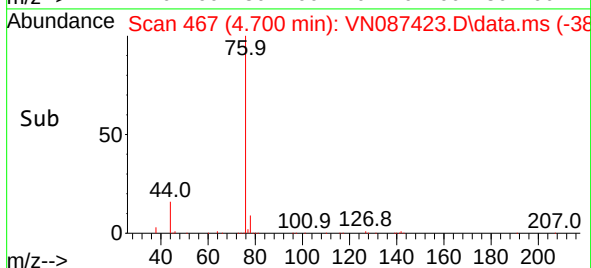
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

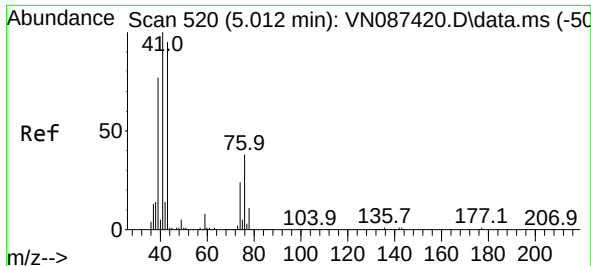


#16
Carbon Disulfide
Concen: 157.095 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



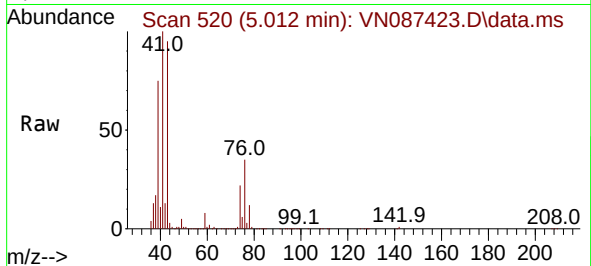
Tgt Ion: 76 Resp: 2163606
Ion Ratio Lower Upper
76 100
78 9.5 6.6 10.0





#17
 Allyl chloride
 Concen: 202.307 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN087423.D
 Acq: 28 Jul 2025 11:09

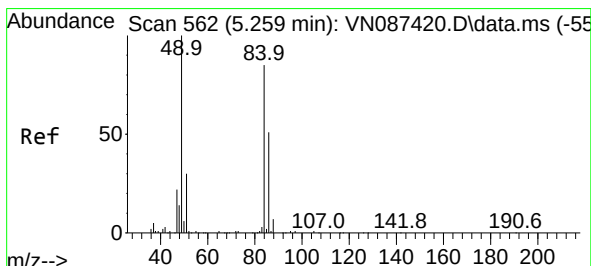
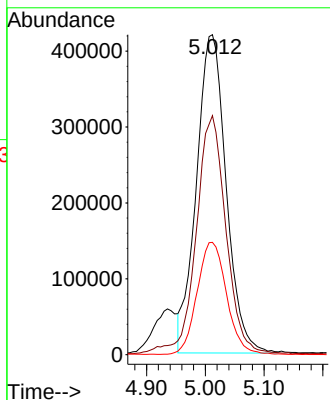
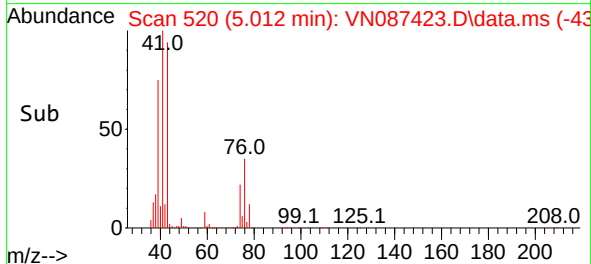
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



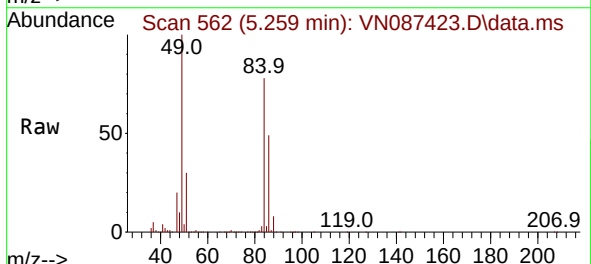
Tgt Ion: 41 Resp: 1477974
 Ion Ratio Lower Upper
 41 100
 39 74.7 42.9 128.7
 76 35.2 19.8 59.4

Manual Integrations
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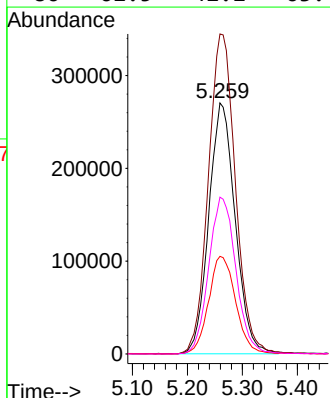
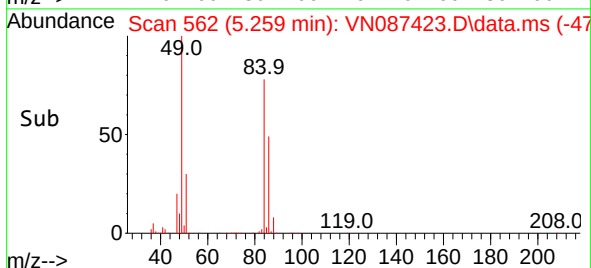
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

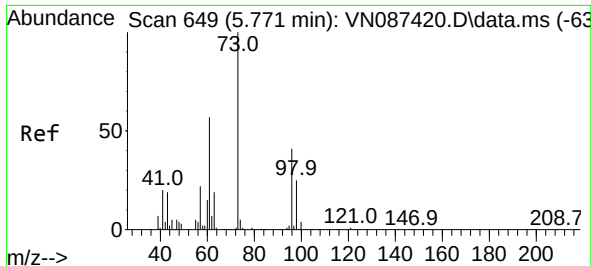


#18
 Methylene Chloride
 Concen: 167.088 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: VN087423.D
 Acq: 28 Jul 2025 11:09



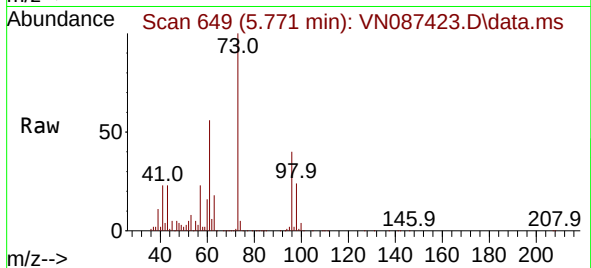
Tgt Ion: 84 Resp: 901829
 Ion Ratio Lower Upper
 84 100
 49 127.5 88.4 132.6
 51 38.8 27.3 40.9
 86 62.5 42.2 63.4





#19
trans-1,2-Dichloroethene
Concen: 162.974 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

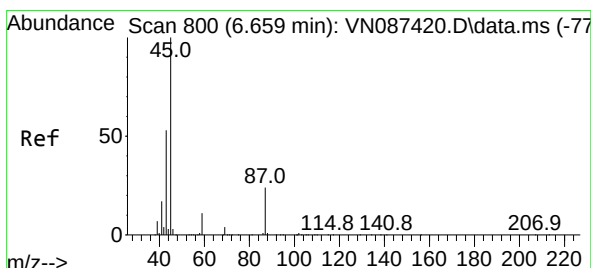
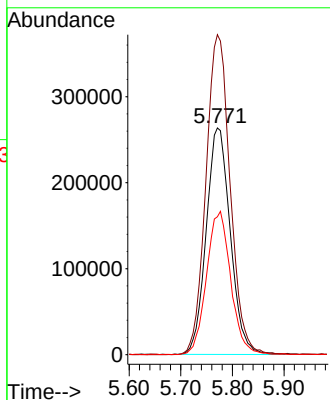
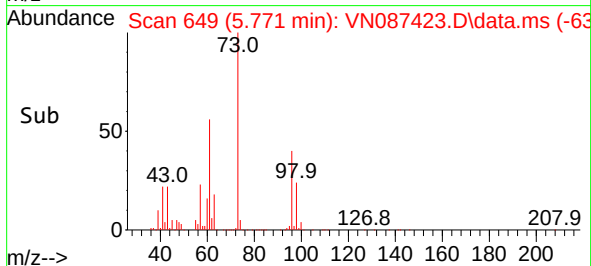
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 853530
Ion Ratio Lower Upper
96 100
61 141.2 101.7 152.5
98 60.8 48.2 72.4

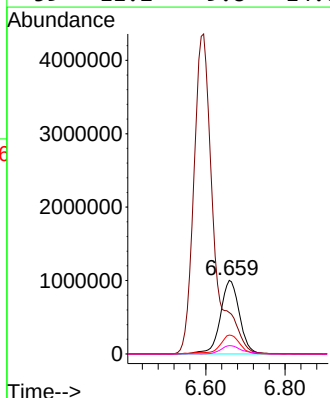
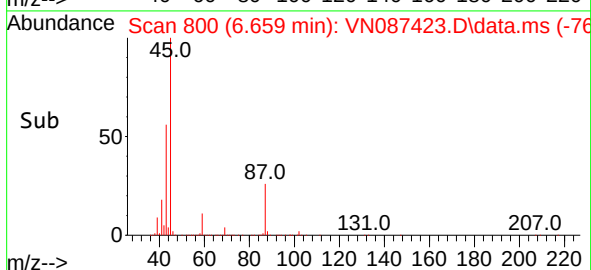
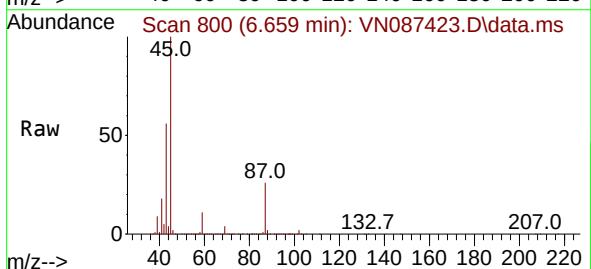
Manual Integrations
APPROVED

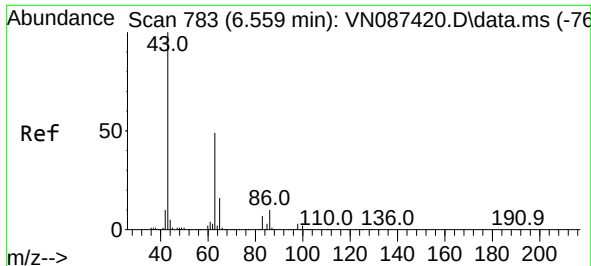
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#20
Diisopropyl ether
Concen: 181.635 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 45 Resp: 3355459
Ion Ratio Lower Upper
45 100
43 55.9 46.0 69.0
87 25.6 23.4 35.2
59 11.2 9.8 14.6





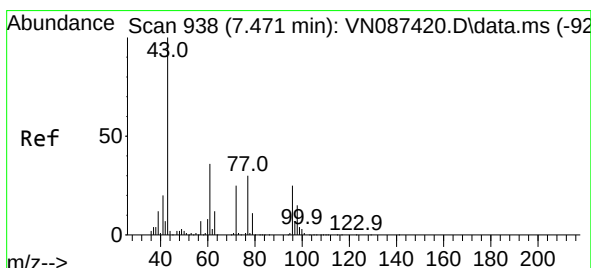
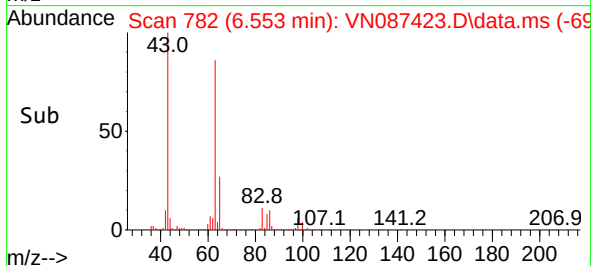
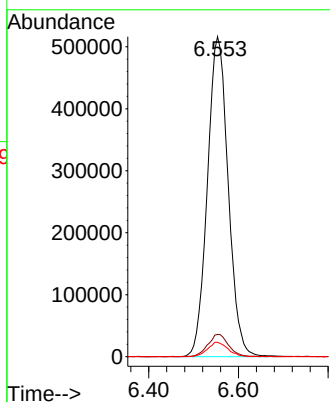
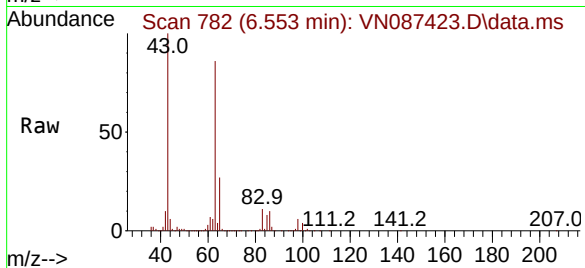
#21
1,1-Dichloroethane
Concen: 168.172 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 165937
Ion Ratio Lower Upper
63 100
98 6.9 2.9 8.6
100 4.5 3.6 10.8

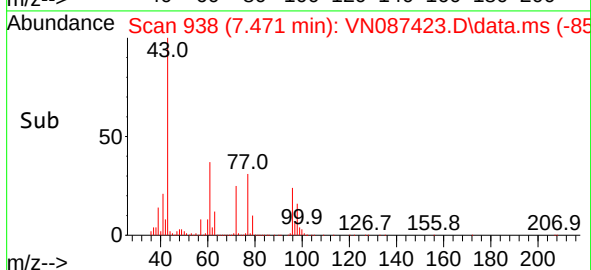
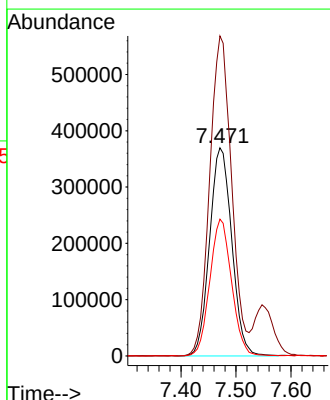
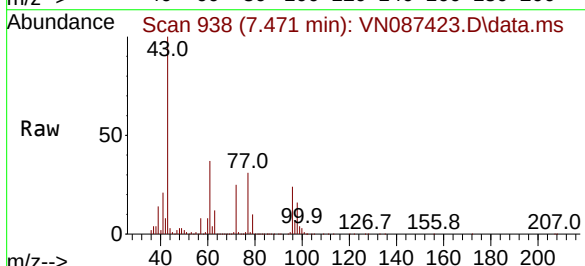
Manual Integrations
APPROVED

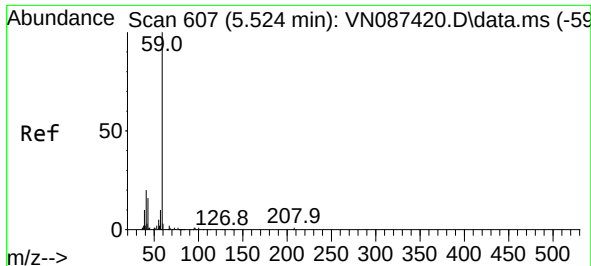
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#22
cis-1,2-Dichloroethene
Concen: 169.384 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

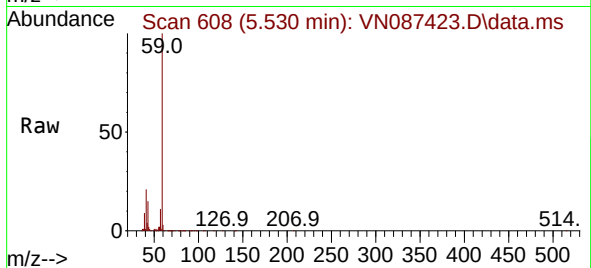
Tgt Ion: 96 Resp: 1039103
Ion Ratio Lower Upper
96 100
61 151.9 120.4 180.6
98 64.1 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 1027.310 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

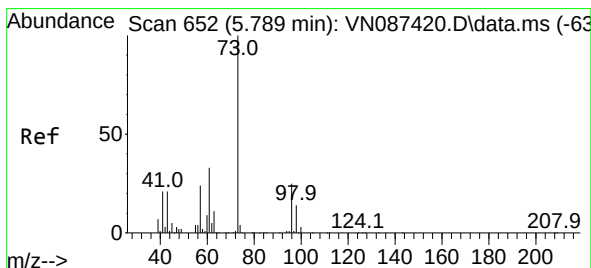
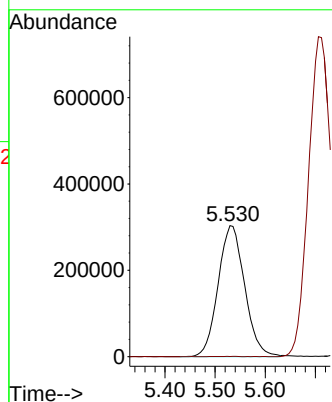
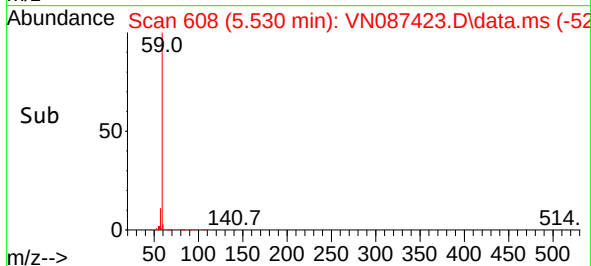
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 59 Resp: 1115332
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

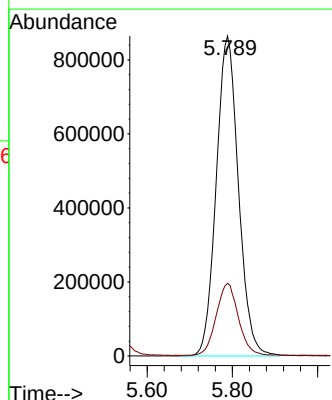
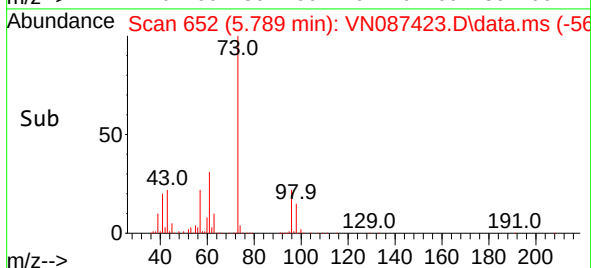
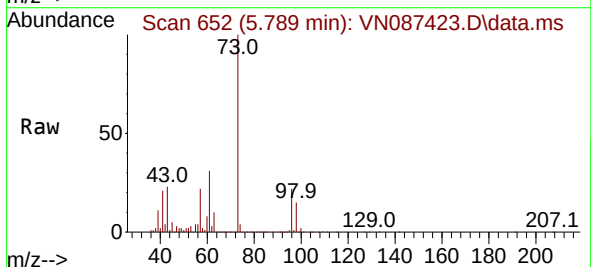
Manual Integrations
APPROVED

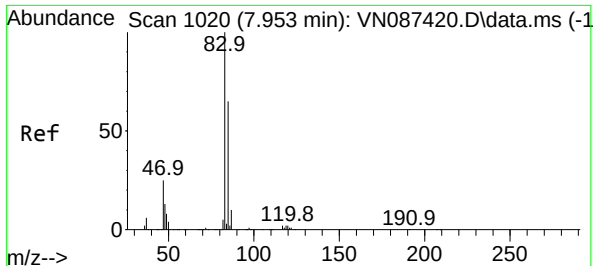
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#24
Methyl tert-Butyl Ether
Concen: 181.825 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

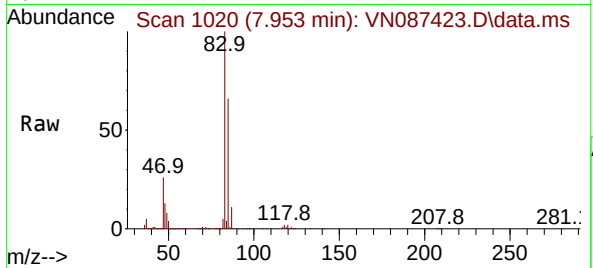
Tgt Ion: 73 Resp: 3133581
Ion Ratio Lower Upper
73 100
43 22.4 17.7 26.5





#25
Chloroform
Concen: 156.721 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

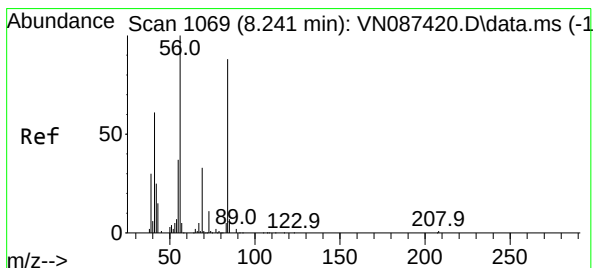
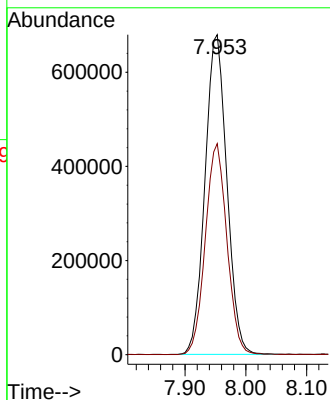
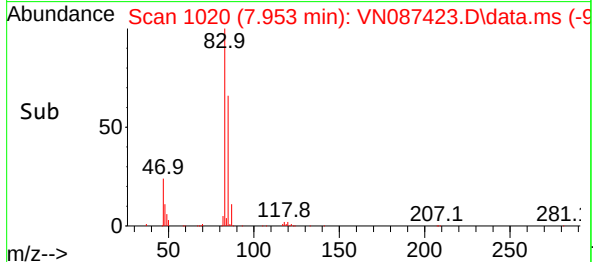
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



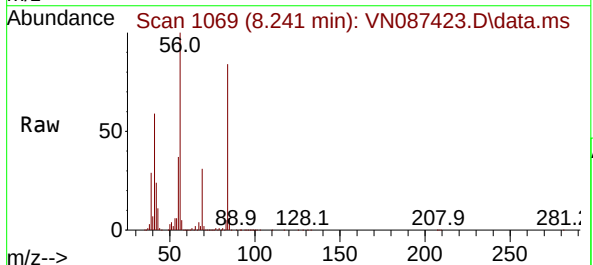
Tgt Ion: 83 Resp: 1693639
Ion Ratio Lower Upper
83 100
85 65.9 48.6 73.0

Manual Integrations
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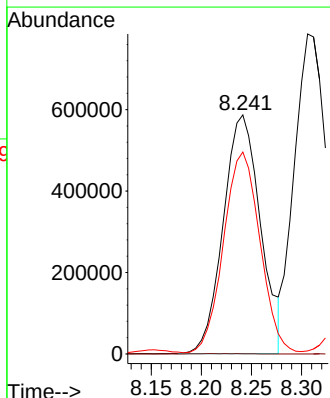
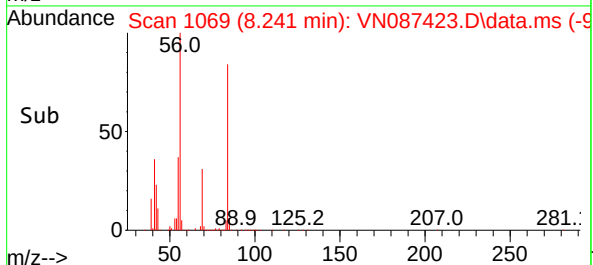
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

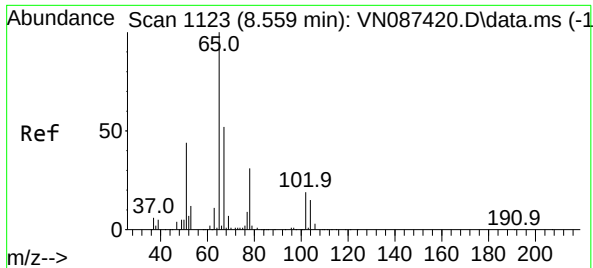


#26
Cyclohexane
Concen: 206.046 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



Tgt Ion: 56 Resp: 1515664
Ion Ratio Lower Upper
56 100
89 0.1 1.5 2.3#
84 83.2 71.2 106.8





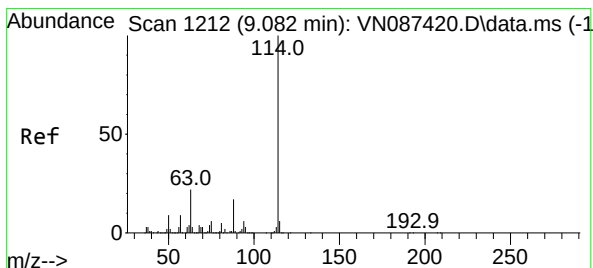
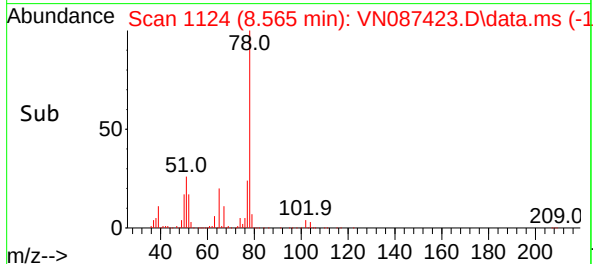
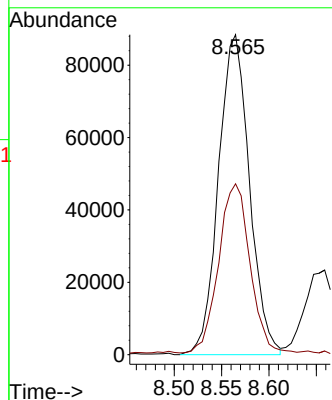
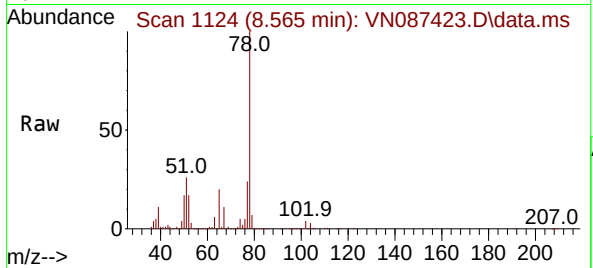
#27
1,2-Dichloroethane-d4
Concen: 28.641 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 65 Resp: 200988
Ion Ratio Lower Upper
65 100
67 53.4 40.2 60.4

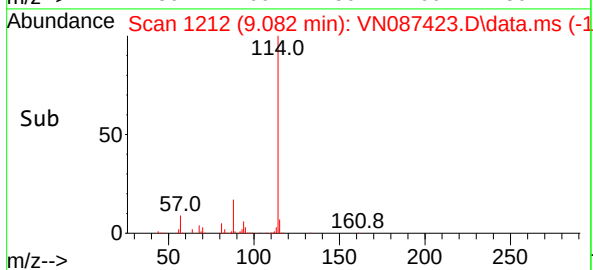
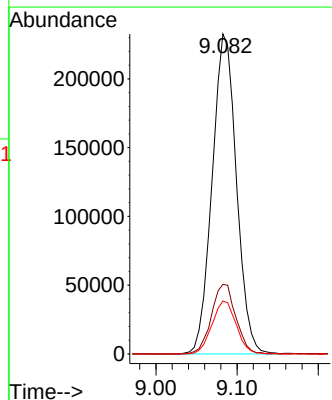
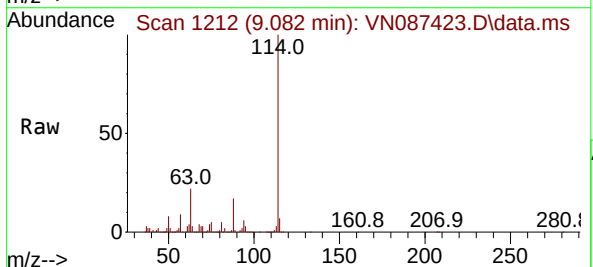
Manual Integrations
APPROVED

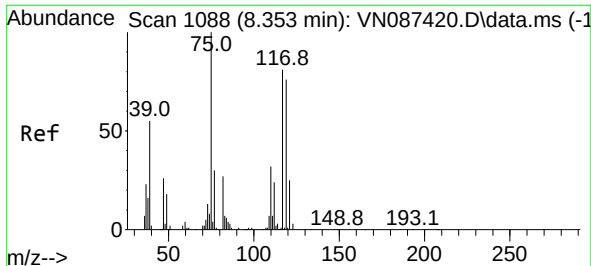
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion:114 Resp: 484226
Ion Ratio Lower Upper
114 100
63 21.8 16.8 25.2
88 16.4 12.5 18.7





#29
1,1-Dichloropropene
Concen: 140.999 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

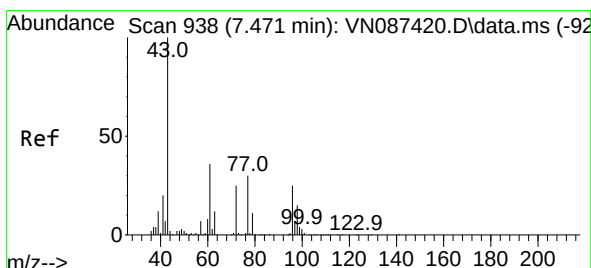
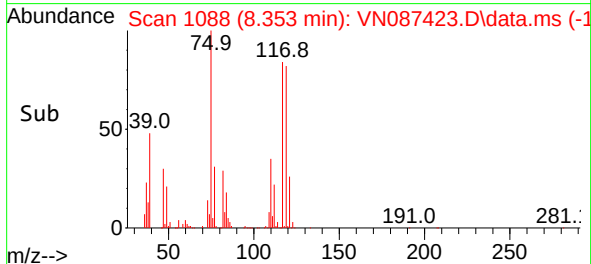
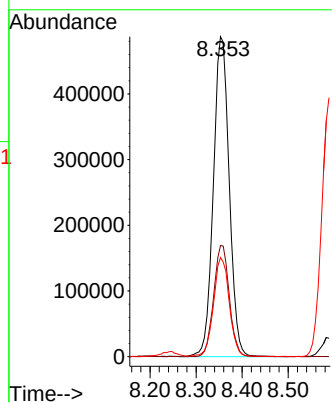
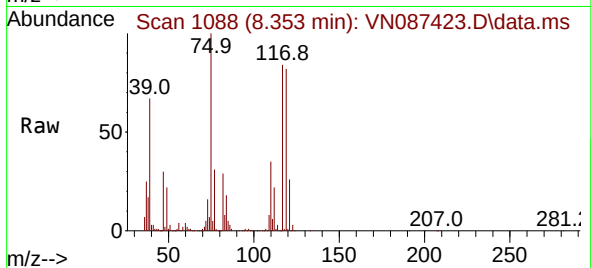
Tgt Ion: 75 Resp: 1164864
Ion Ratio Lower Upper
75 100
110 34.2 0.0 66.4
77 30.8 0.0 61.6

Manual Integrations

APPROVED

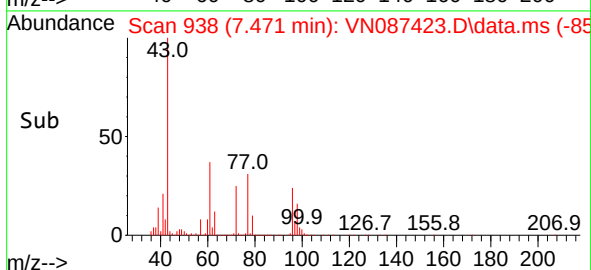
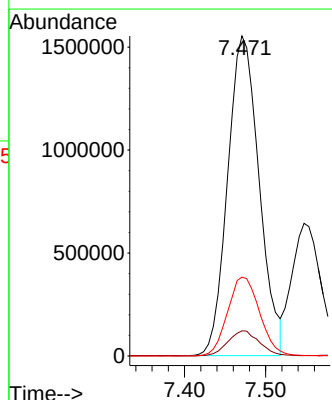
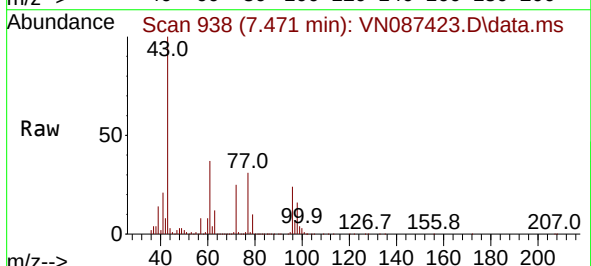
Reviewed By :John Carlone 07/28/2025

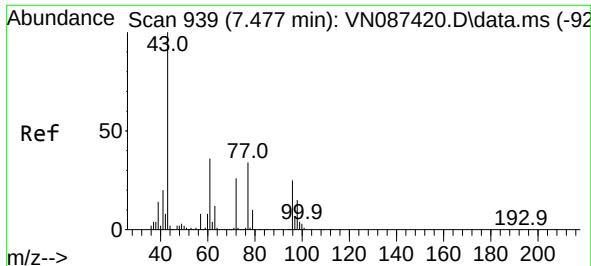
Supervised By :Mahesh Dadoda 07/29/2025



#30
2-Butanone
Concen: 745.186 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 43 Resp: 4192675
Ion Ratio Lower Upper
43 100
57 7.8 6.6 9.8
72 25.1 20.6 30.8





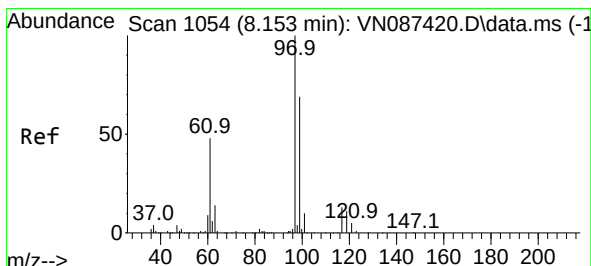
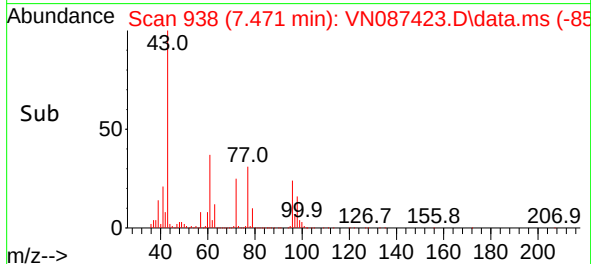
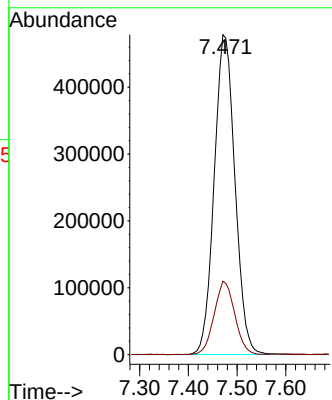
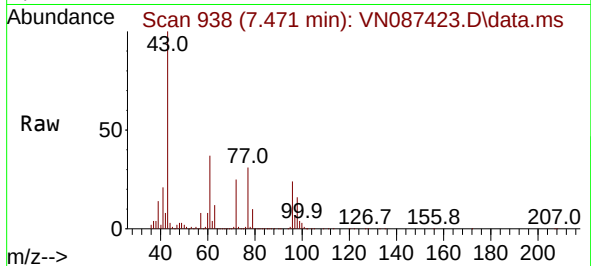
#31
2,2-Dichloropropane
Concen: 130.649 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 77 Resp: 141750
Ion Ratio Lower Upper
77 100
97 22.7 17.1 25.7

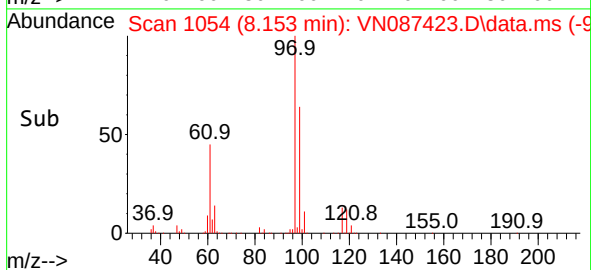
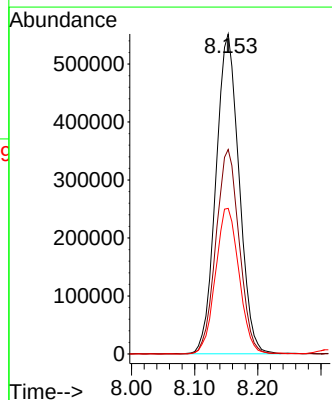
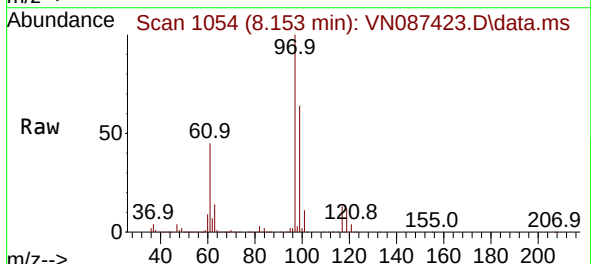
Manual Integrations
APPROVED

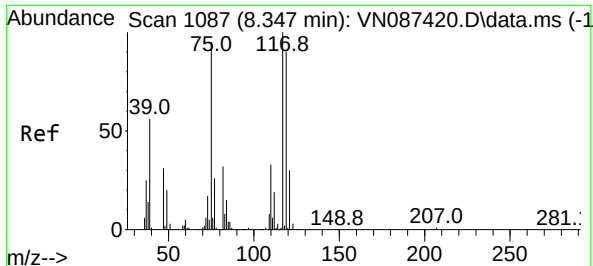
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#32
1,1,1-Trichloroethane
Concen: 130.182 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

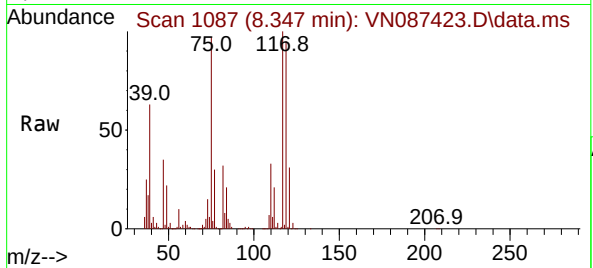
Tgt Ion: 97 Resp: 1407597
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 46.4 36.1 54.1





#33
Carbon Tetrachloride
Concen: 123.445 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

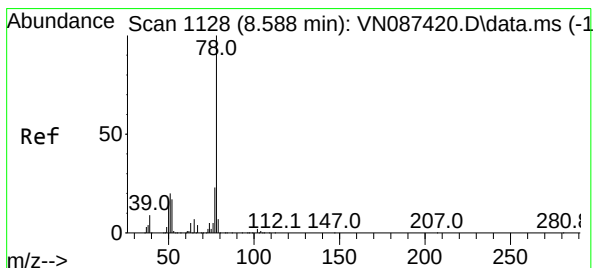
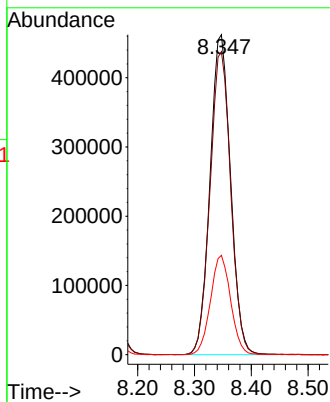
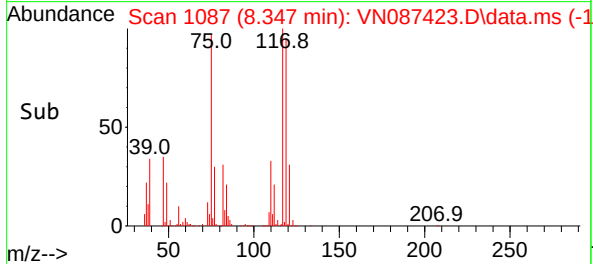
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



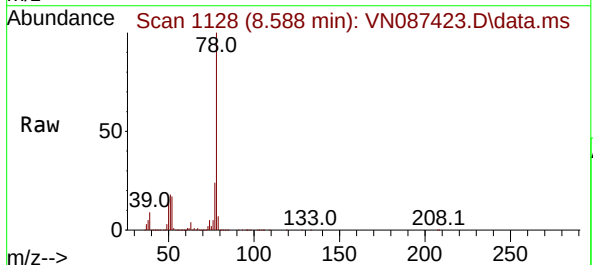
Tgt Ion:117 Resp: 1159544
Ion Ratio Lower Upper
117 100
119 94.7 72.7 109.1
121 31.0 21.1 31.7

Manual Integrations
APPROVED

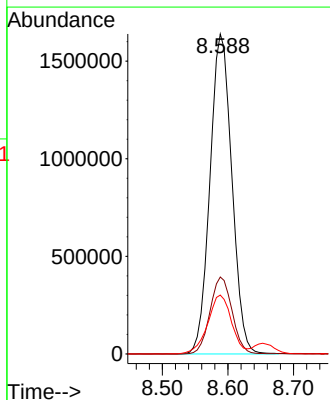
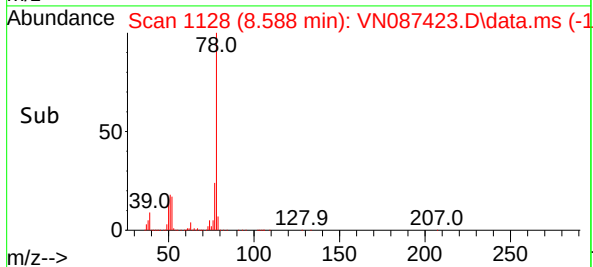
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

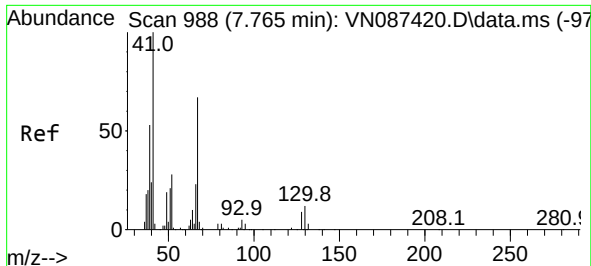


#34
Benzene
Concen: 142.331 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



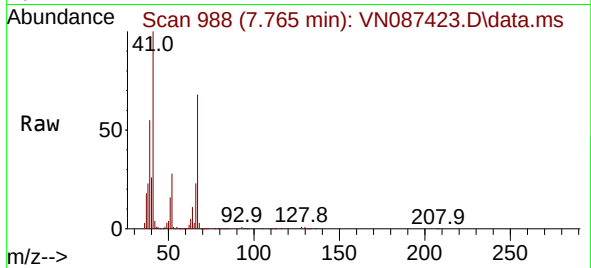
Tgt Ion: 78 Resp: 3797675
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2
51 18.3 13.8 20.8





#35
Methacrylonitrile
Concen: 164.918 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

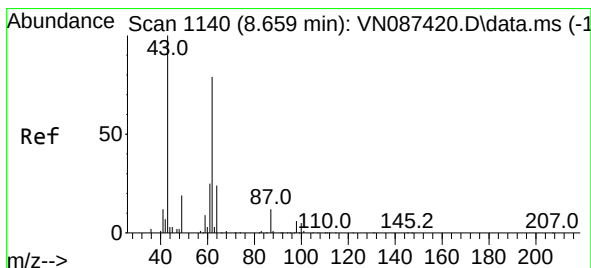
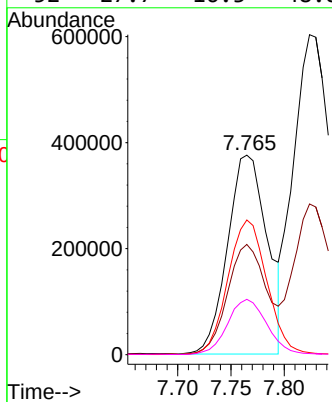
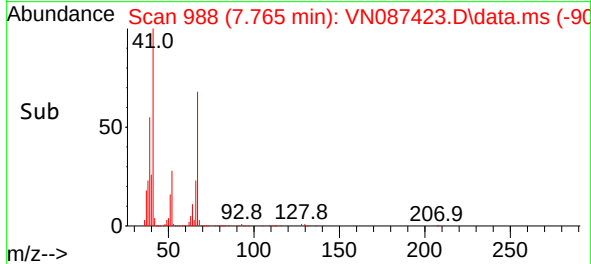
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 975762
Ion Ratio Lower Upper
41 100
39 55.1 31.0 93.0
67 67.6 36.8 110.3
52 27.7 16.3 48.8

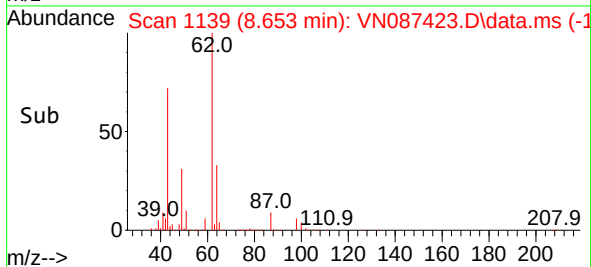
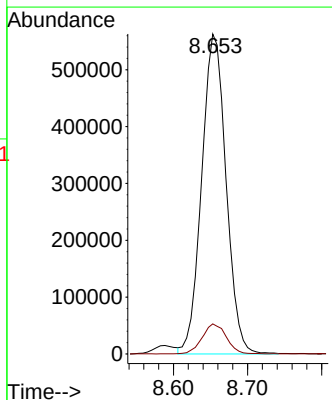
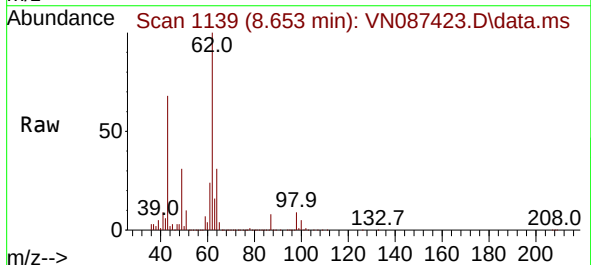
Manual Integrations
APPROVED

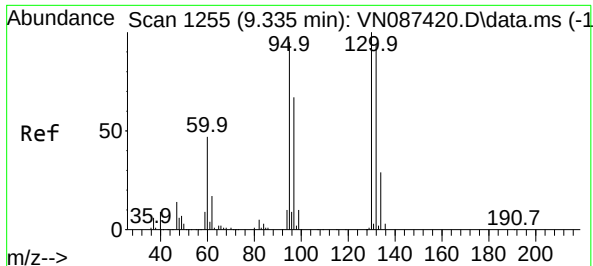
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#36
1,2-Dichloroethane
Concen: 122.349 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 62 Resp: 1287860
Ion Ratio Lower Upper
62 100
98 9.2 6.6 9.8





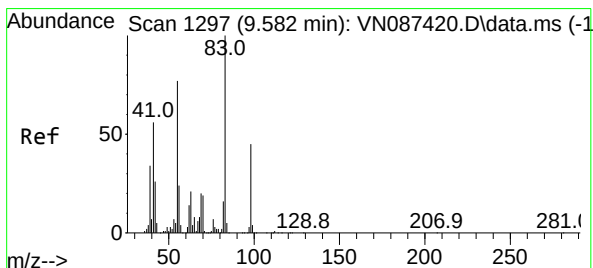
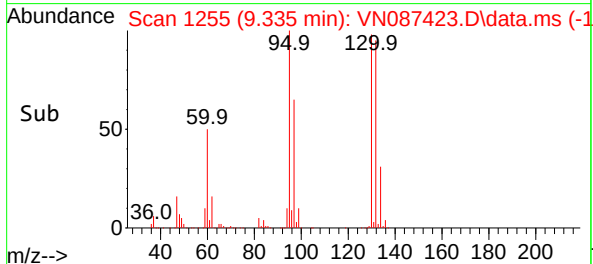
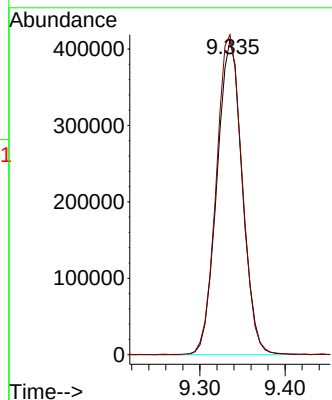
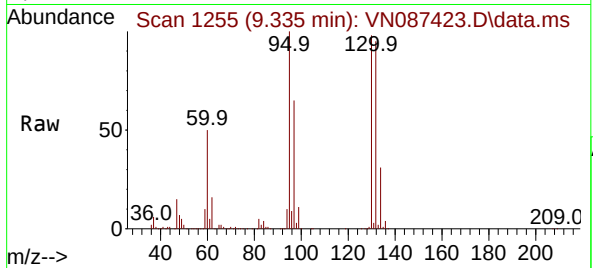
#37
Trichloroethene
Concen: 139.670 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:130 Resp: 85047
Ion Ratio Lower Upper
130 100
95 101.6 82.4 123.6

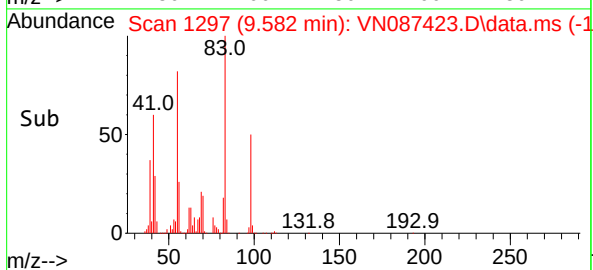
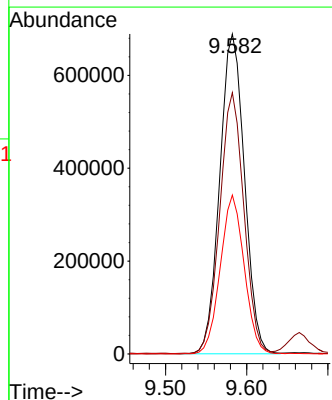
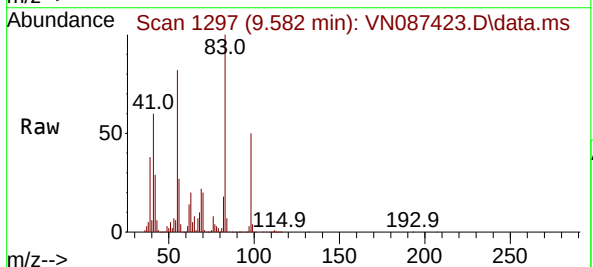
Manual Integrations
APPROVED

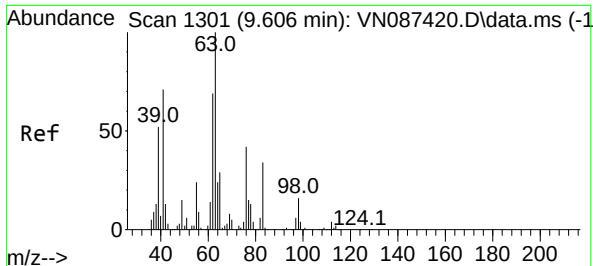
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#38
Methylcyclohexane
Concen: 167.148 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 83 Resp: 1459767
Ion Ratio Lower Upper
83 100
55 79.3 40.9 122.8
98 48.2 25.6 76.6





#39

1,2-Dichloropropane

Concen: 141.986 ug/l

RT: 9.606 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087423.D

Acq: 28 Jul 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 951754

Ion Ratio Lower Upper

63 100

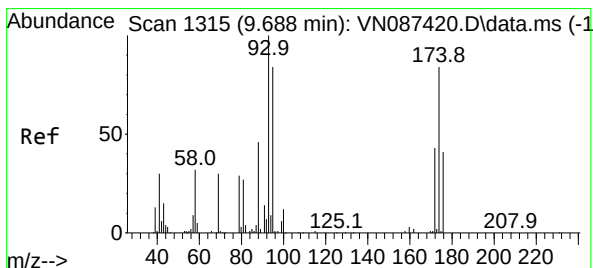
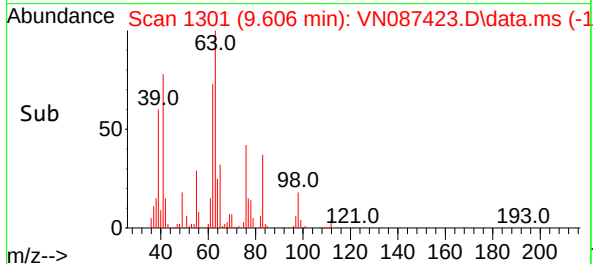
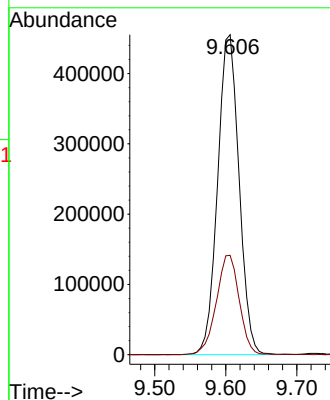
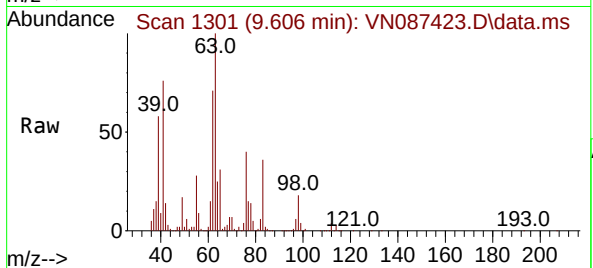
65 31.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#40

Dibromomethane

Concen: 129.796 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN087423.D

Acq: 28 Jul 2025 11:09

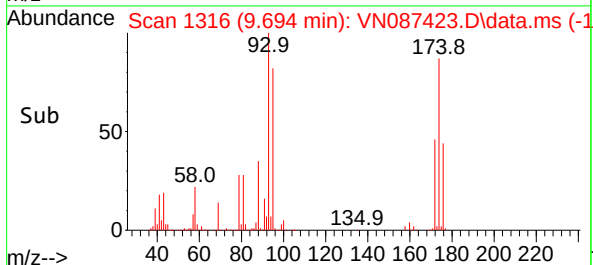
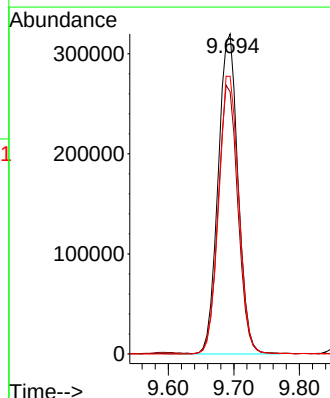
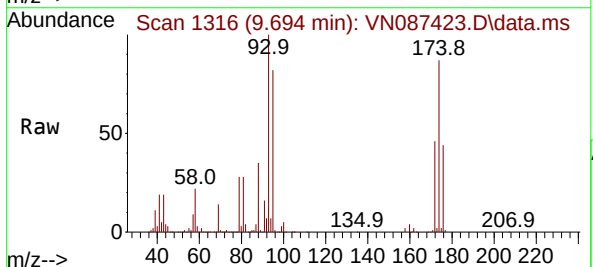
Tgt Ion: 93 Resp: 673138

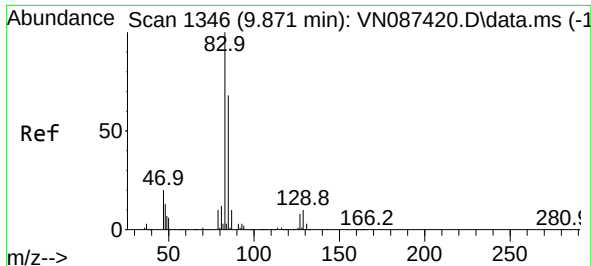
Ion Ratio Lower Upper

93 100

95 82.8 0.0 161.8

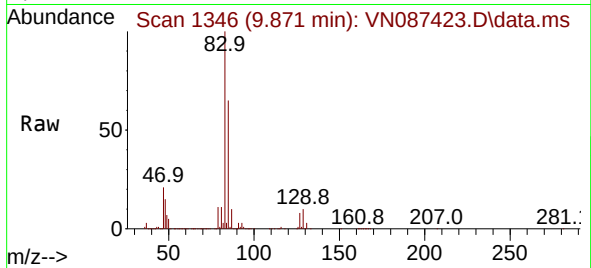
174 87.1 0.0 177.6





#41
Bromodichloromethane
Concen: 134.560 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

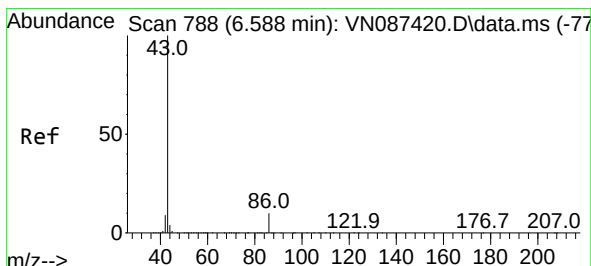
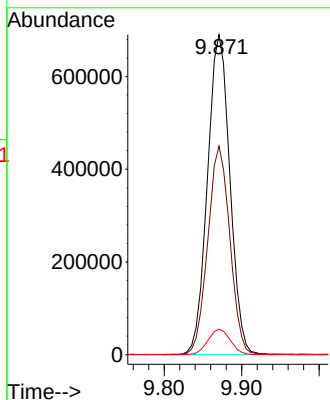
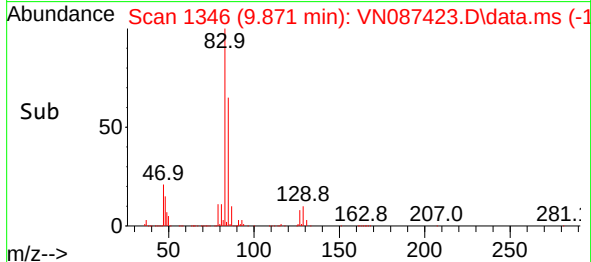
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 138556
Ion Ratio Lower Upper
83 100
85 65.1 46.2 69.2
127 7.9 6.1 9.1

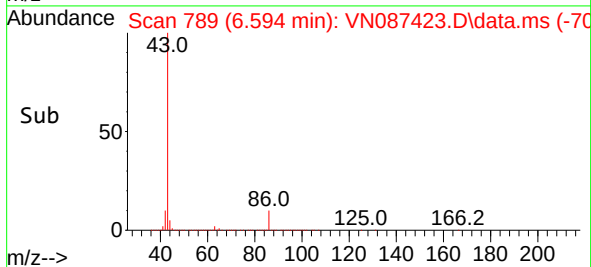
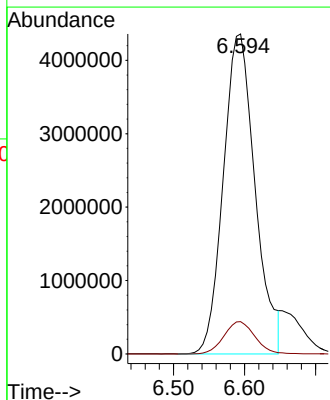
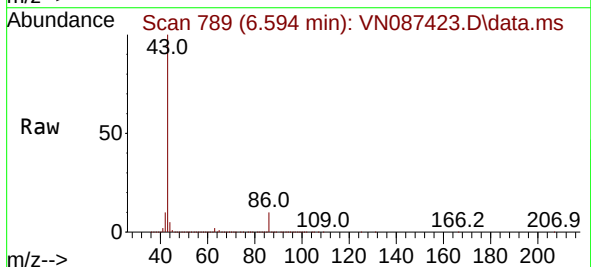
Manual Integrations
APPROVED

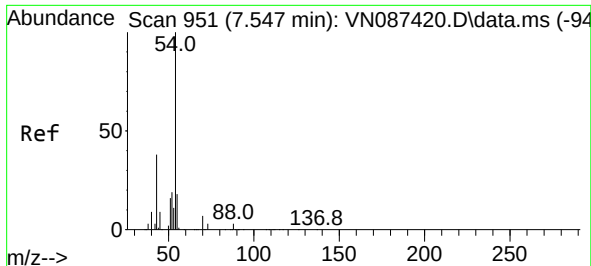
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#42
Vinyl Acetate
Concen: 711.638 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

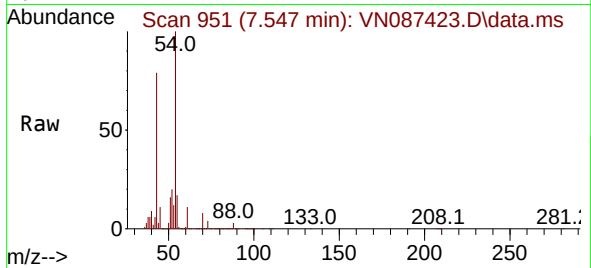
Tgt Ion: 43 Resp:13563324
Ion Ratio Lower Upper
43 100
86 9.9 8.1 12.1





#43
Ethyl Acetate
Concen: 150.687 ug/l m
RT: 7.547 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

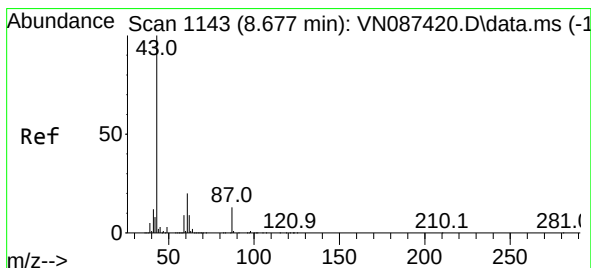
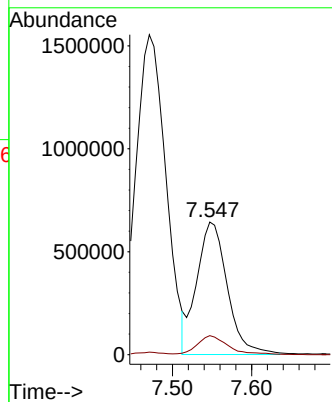
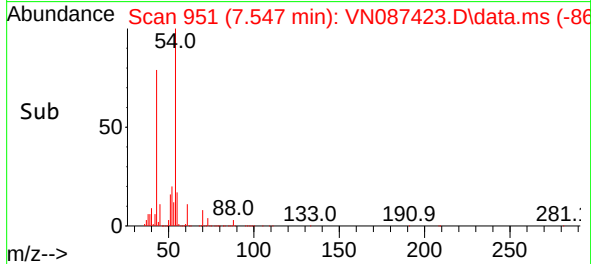
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



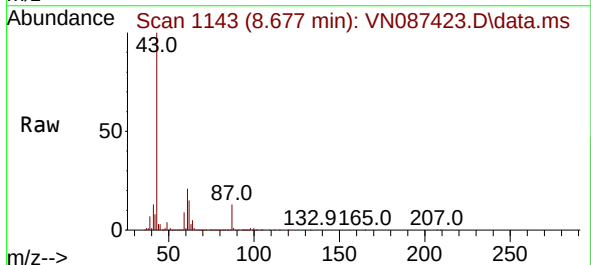
Tgt Ion: 43 Resp: 1725978
Ion Ratio Lower Upper
43 100
45 2.0 5.6 8.4

Manual Integrations
APPROVED

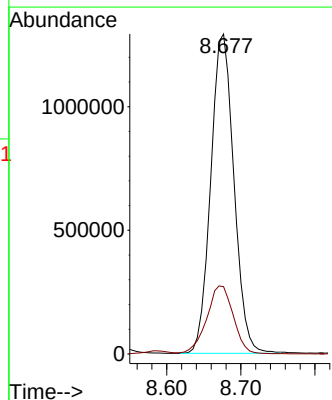
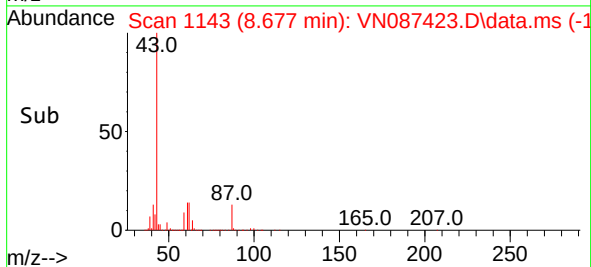
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

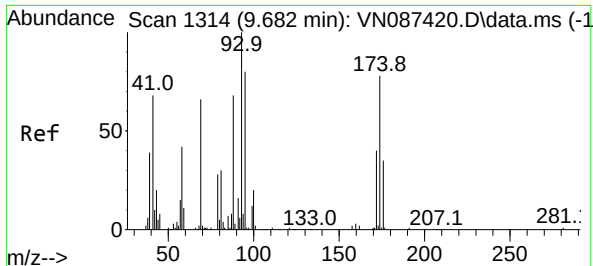


#44
Isopropyl Acetate
Concen: 155.138 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



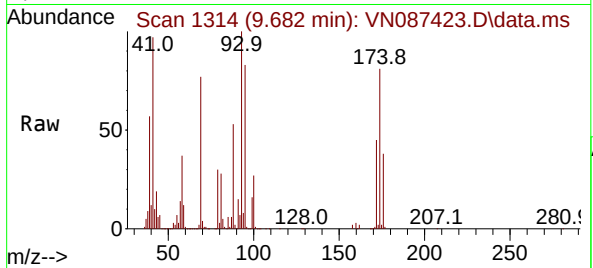
Tgt Ion: 43 Resp: 2805264
Ion Ratio Lower Upper
43 100
61 24.6 20.1 30.1





#45
1,4-Dioxane
Concen: 3037.633 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

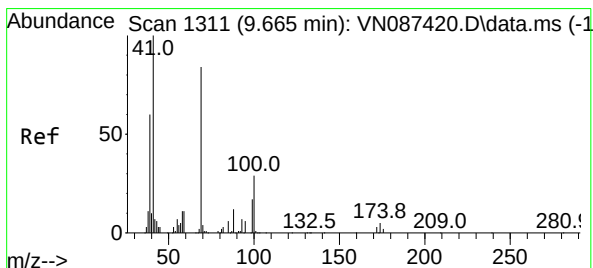
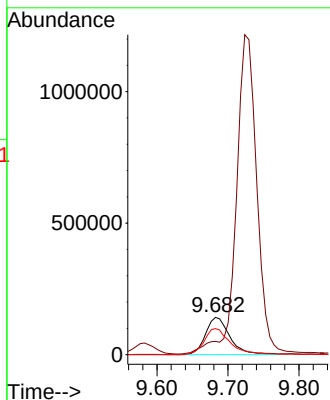
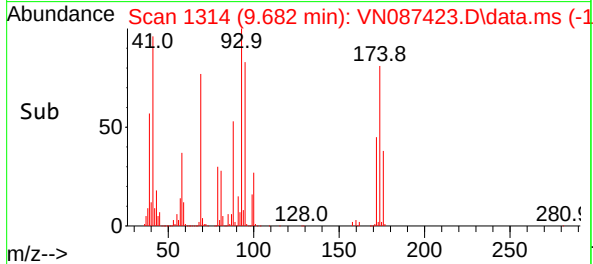
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



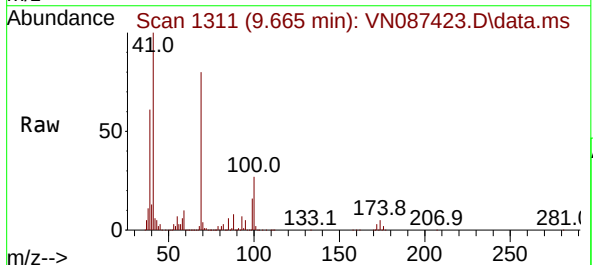
Tgt Ion: 88 Resp: 338417
Ion Ratio Lower Upper
88 100
43 26.7 29.6 44.4
58 74.1 23.5 35.3

Manual Integrations
APPROVED

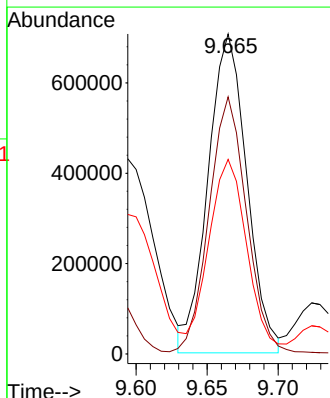
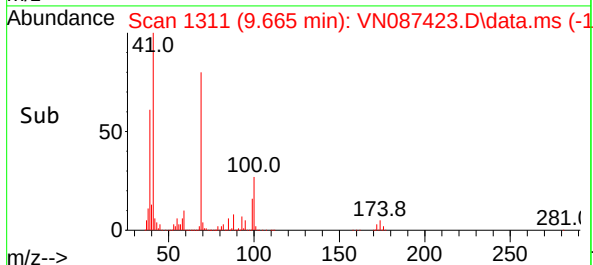
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

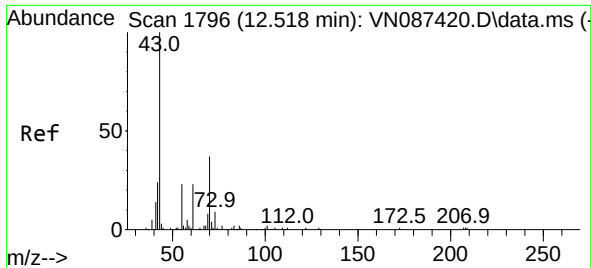


#46
Methyl methacrylate
Concen: 160.887 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



Tgt Ion: 41 Resp: 1339708
Ion Ratio Lower Upper
41 100
69 82.7 39.5 118.5
39 60.6 31.6 94.7





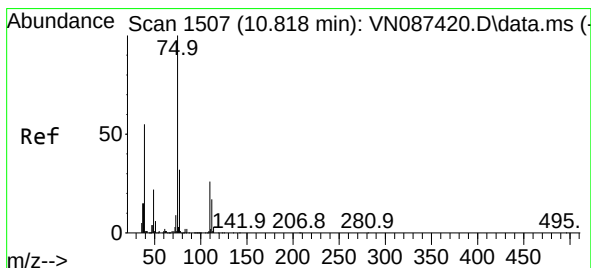
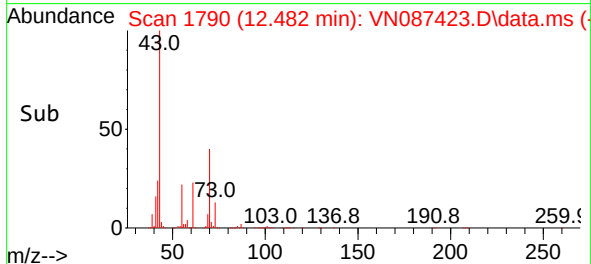
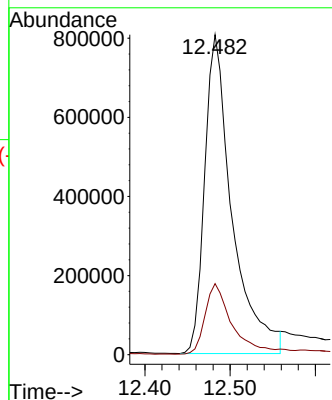
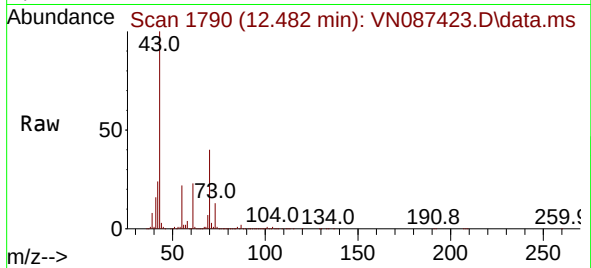
#47
n-amy1 Acetate
Concen: 166.410 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1803260
Ion Ratio Lower Upper
43 100
55 21.7 0.6 0.8

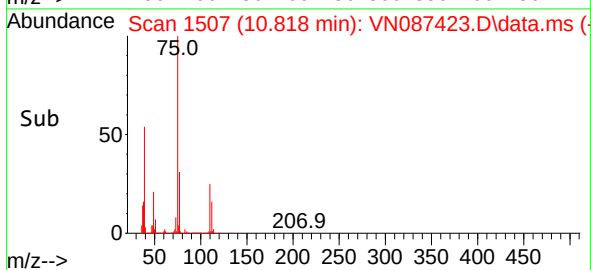
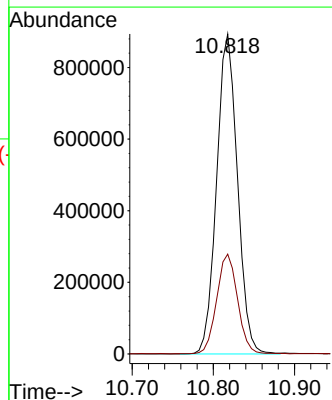
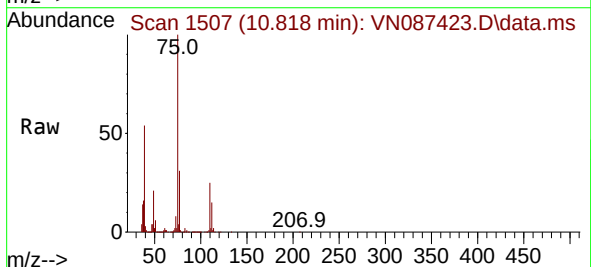
Manual Integrations
APPROVED

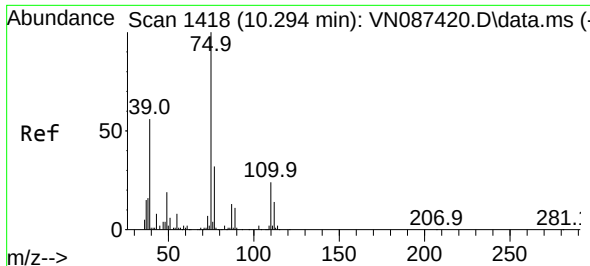
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#48
t-1,3-Dichloropropene
Concen: 145.045 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

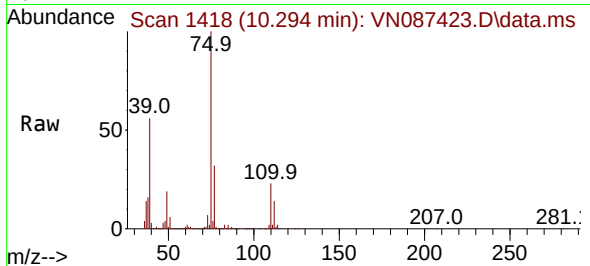
Tgt Ion: 75 Resp: 1593280
Ion Ratio Lower Upper
75 100
77 31.1 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 149.732 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VN087423.D
 Acq: 28 Jul 2025 11:09

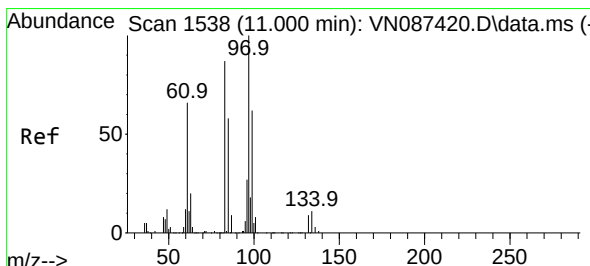
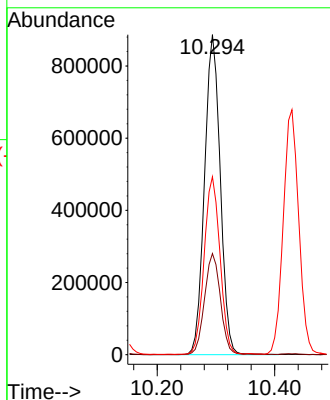
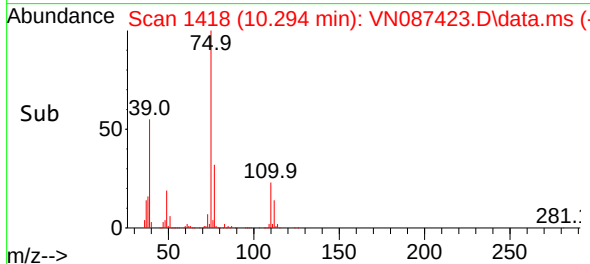
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion: 75 Resp: 1644925
 Ion Ratio Lower Upper
 75 100
 77 31.5 27.4 41.0
 39 55.5 46.3 69.5

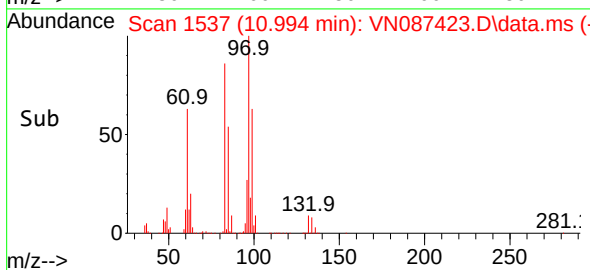
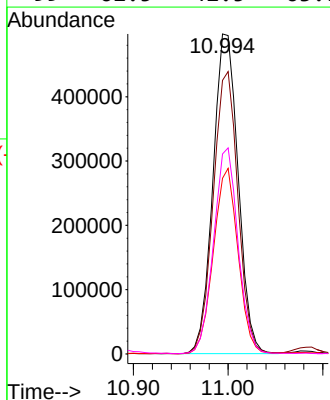
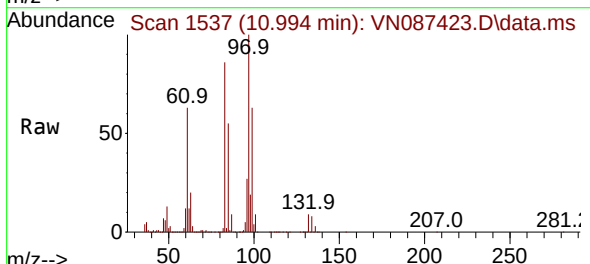
Manual Integrations
 APPROVED

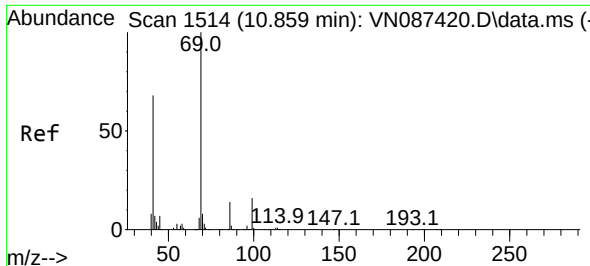
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#50
 1,1,2-Trichloroethane
 Concen: 137.520 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN087423.D
 Acq: 28 Jul 2025 11:09

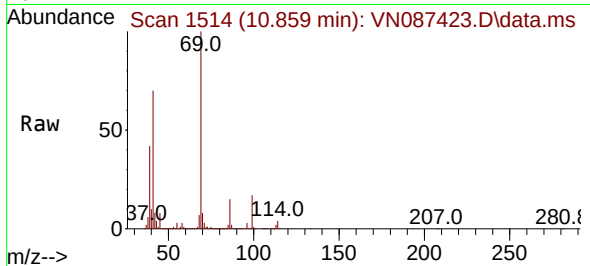
Tgt Ion: 97 Resp: 921075
 Ion Ratio Lower Upper
 97 100
 83 85.5 68.9 103.3
 85 54.9 42.2 63.2
 99 62.5 42.5 63.7





#51
Ethyl methacrylate
Concen: 168.305 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

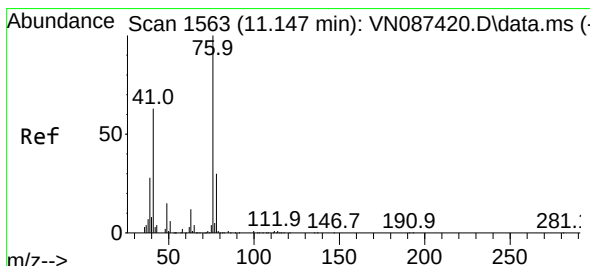
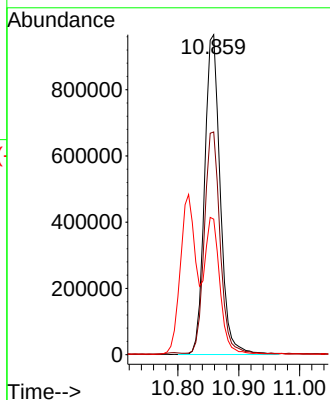
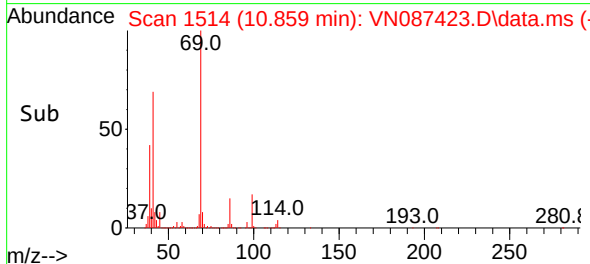
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 69 Resp: 172384
Ion Ratio Lower Upper
69 100
41 69.3 33.7 101.1
39 42.1 21.6 65.0

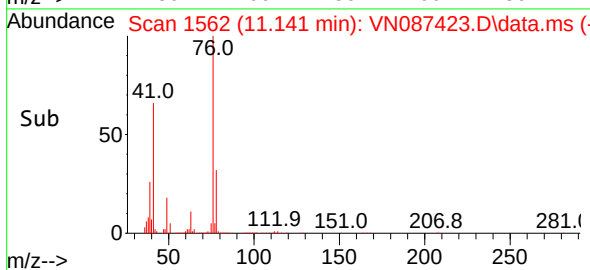
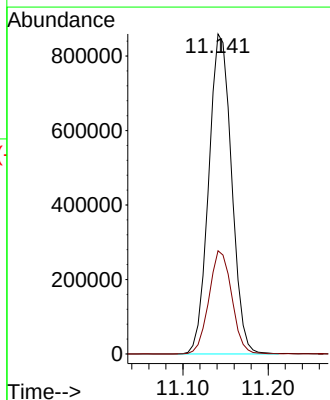
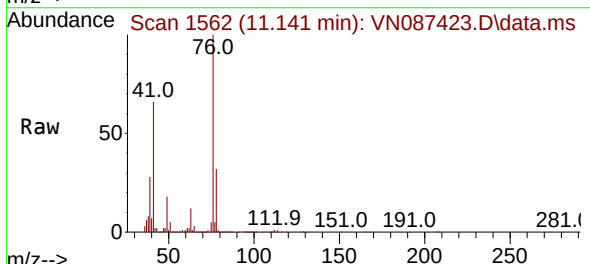
Manual Integrations
APPROVED

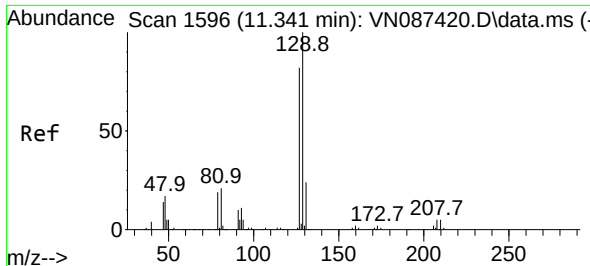
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
1,3-Dichloropropane
Concen: 139.125 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 76 Resp: 1602154
Ion Ratio Lower Upper
76 100
78 32.1 0.0 67.4





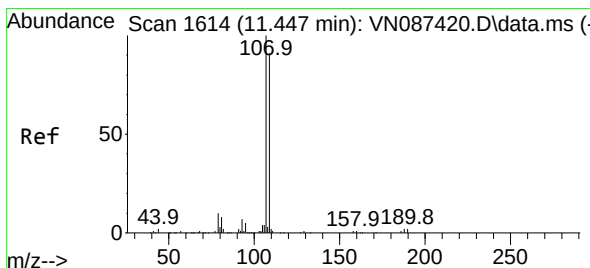
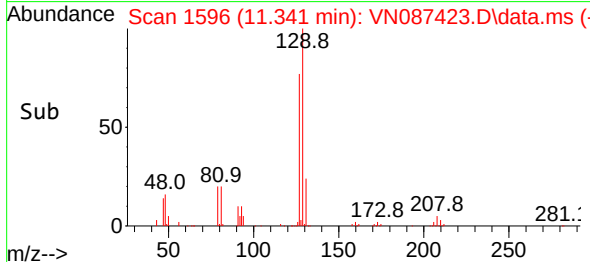
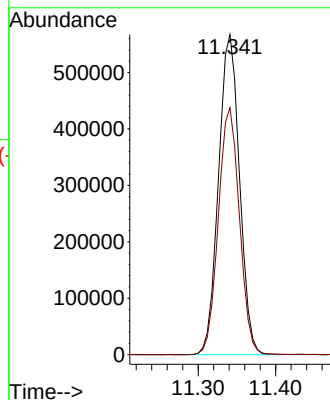
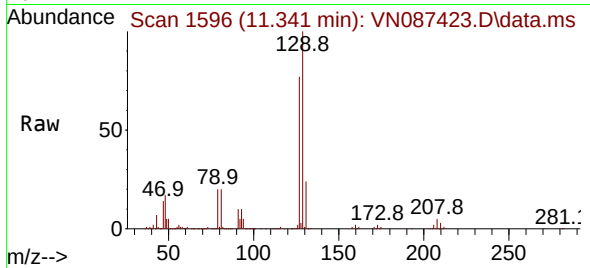
#53
Dibromochloromethane
Concen: 136.192 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:129 Resp: 1069124
Ion Ratio Lower Upper
129 100
127 77.5 38.7 116.1

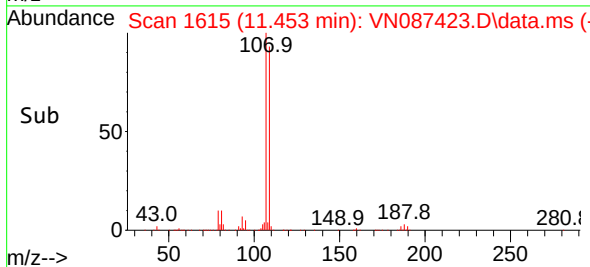
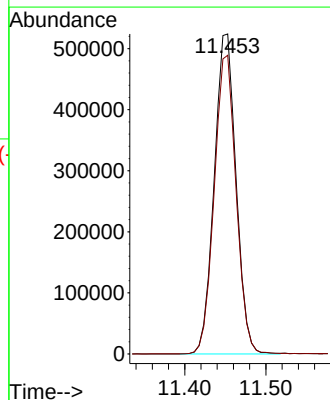
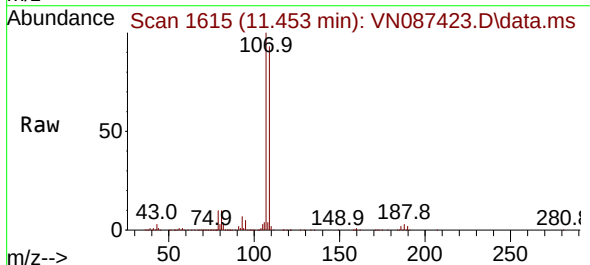
Manual Integrations
APPROVED

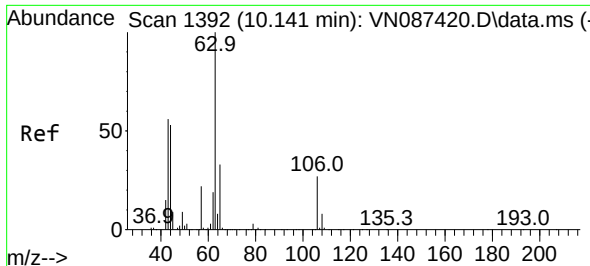
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#54
1,2-Dibromoethane
Concen: 142.742 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

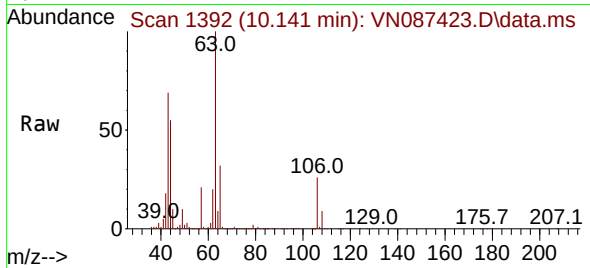
Tgt Ion:107 Resp: 979971
Ion Ratio Lower Upper
107 100
109 93.7 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 524.274 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

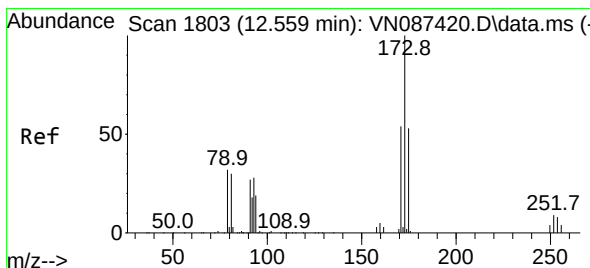
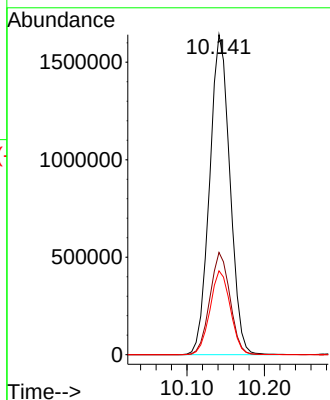
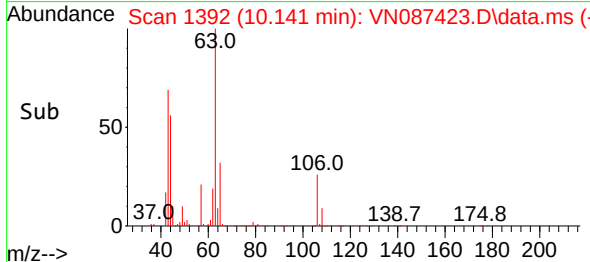
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 63 Resp: 298722
Ion Ratio Lower Upper
63 100
65 31.7 25.8 38.8
106 26.3 23.0 34.4

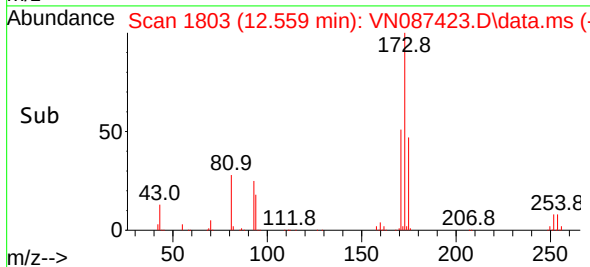
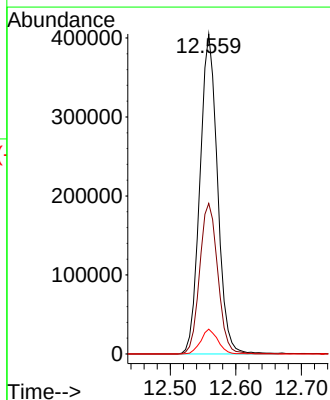
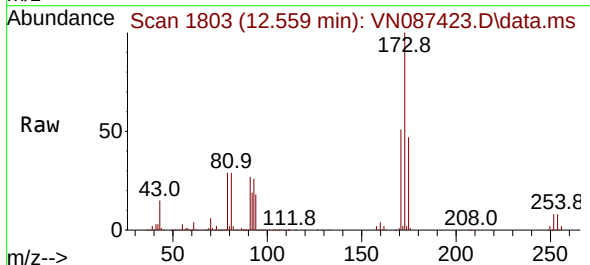
Manual Integrations
APPROVED

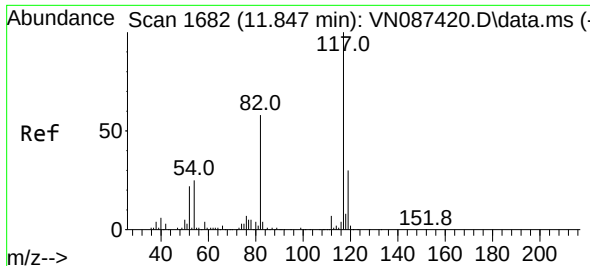
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#56
Bromoform
Concen: 135.423 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

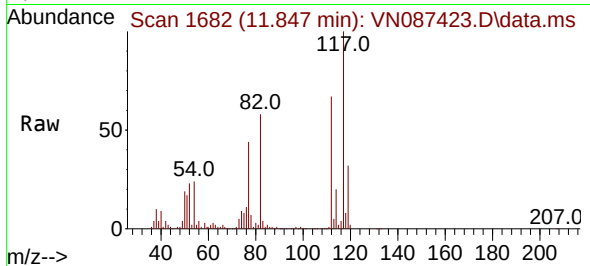
Tgt Ion:173 Resp: 756099
Ion Ratio Lower Upper
173 100
175 48.3 38.4 57.6
254 7.6 6.7 10.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

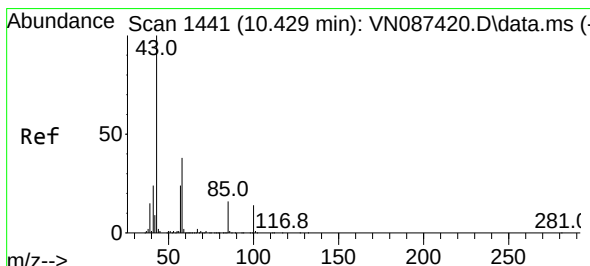
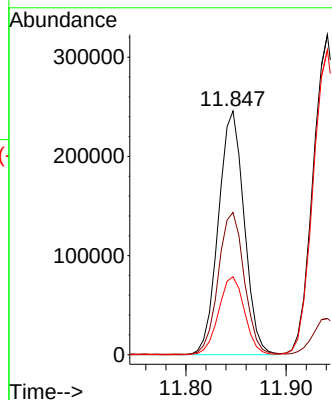
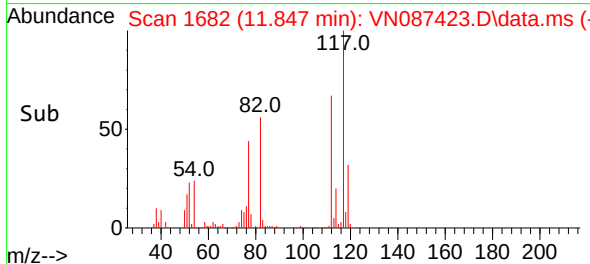
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



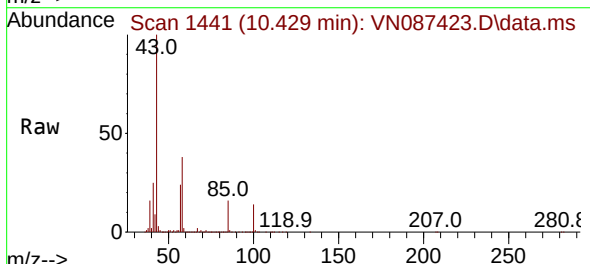
Tgt Ion:117 Resp: 438458
Ion Ratio Lower Upper
117 100
82 58.8 44.1 66.1
119 32.2 25.4 38.2

Manual Integrations
APPROVED

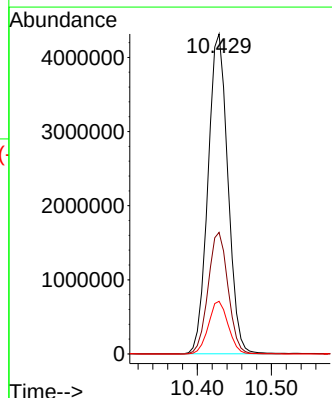
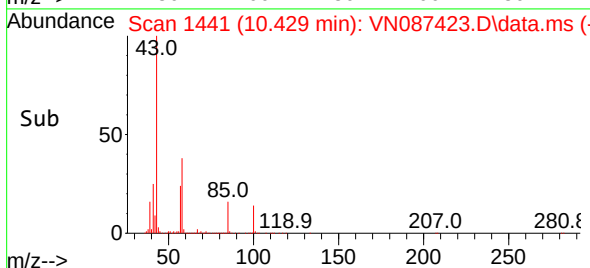
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

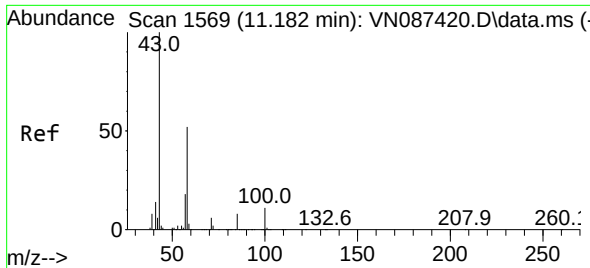


#58
4-Methyl-2-Pentanone
Concen: 750.746 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



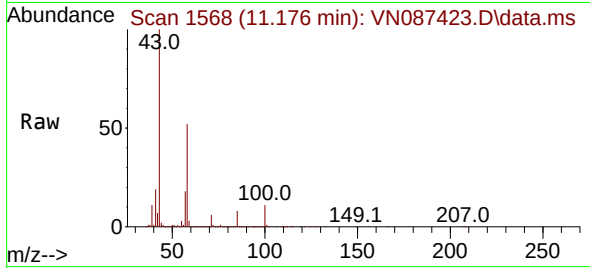
Tgt Ion: 43 Resp: 8049077
Ion Ratio Lower Upper
43 100
58 38.0 29.5 44.3
85 16.4 13.3 19.9





#59
2-Hexanone
Concen: 815.782 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

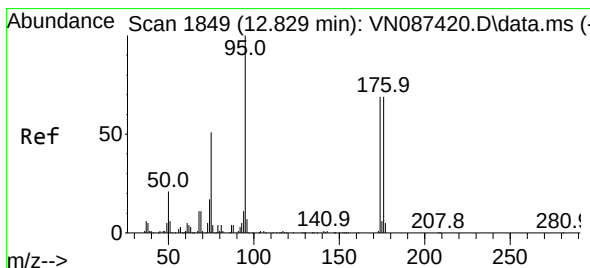
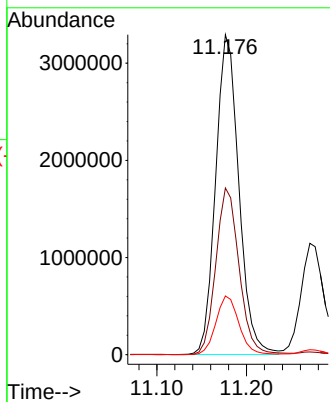
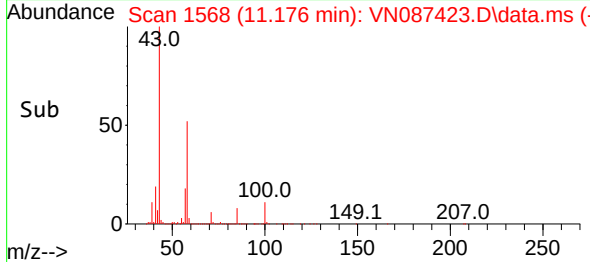
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



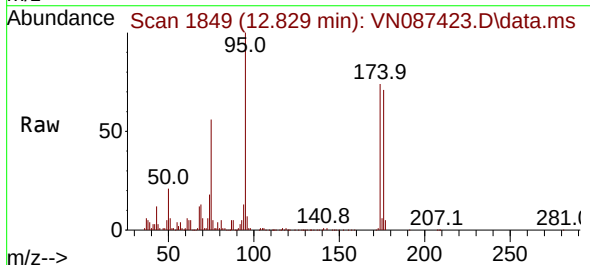
Tgt Ion: 43 Resp: 590354
Ion Ratio Lower Upper
43 100
58 52.4 40.5 60.7
57 18.2 14.0 21.0

Manual Integrations
APPROVED

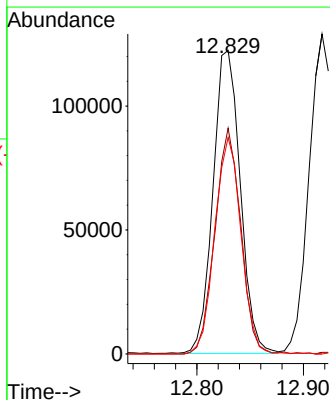
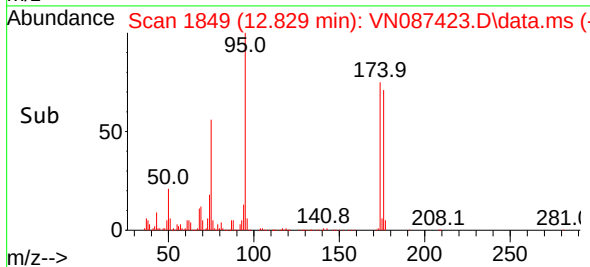
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

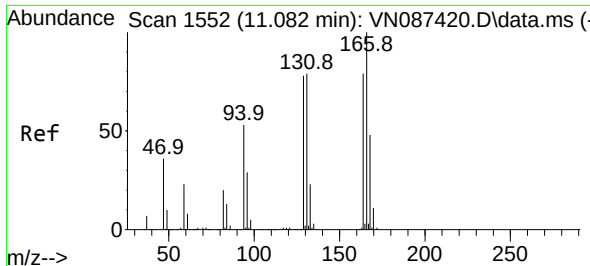


#60
4-Bromofluorobenzene
Concen: 29.689 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



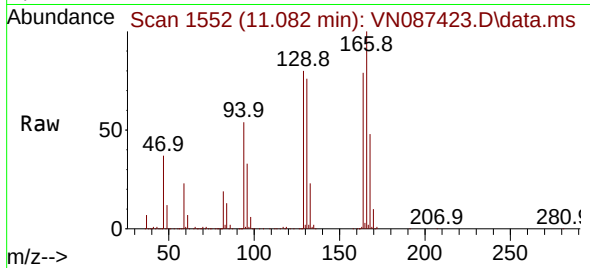
Tgt Ion: 95 Resp: 217172
Ion Ratio Lower Upper
95 100
174 70.2 62.1 93.1
176 68.8 57.9 86.9





#61
Tetrachloroethene
Concen: 140.998 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

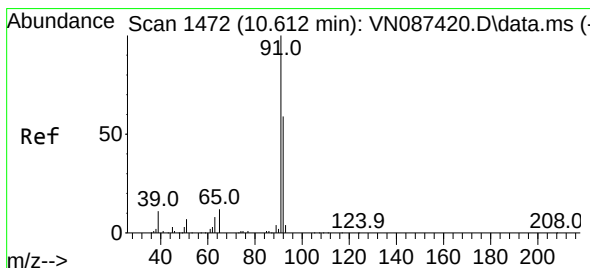
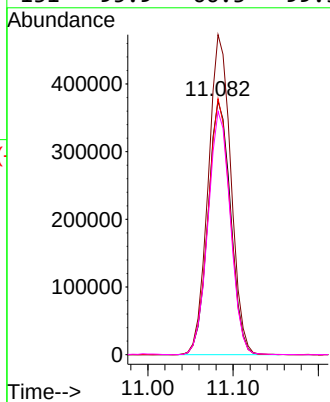
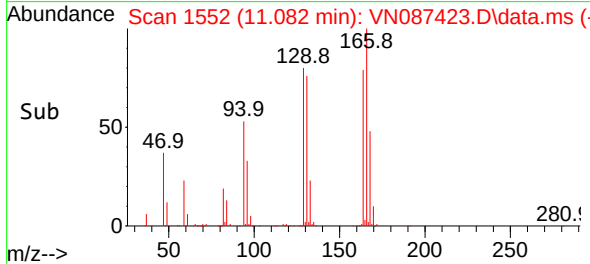
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



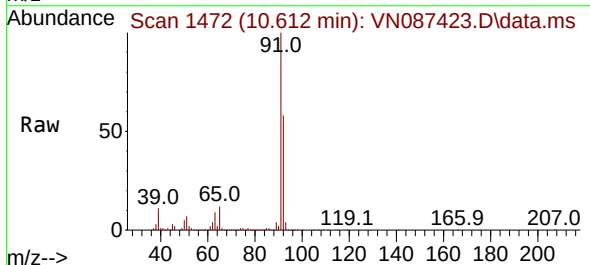
Tgt Ion:164 Resp: 690374
Ion Ratio Lower Upper
164 100
166 126.1 91.7 137.5
129 100.9 77.8 116.6
131 95.9 66.3 99.5

Manual Integrations
APPROVED

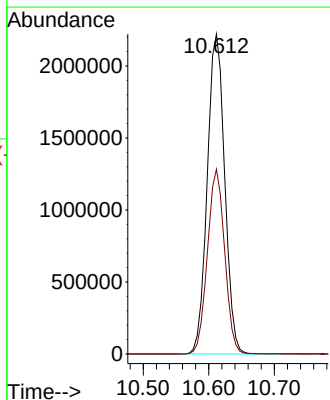
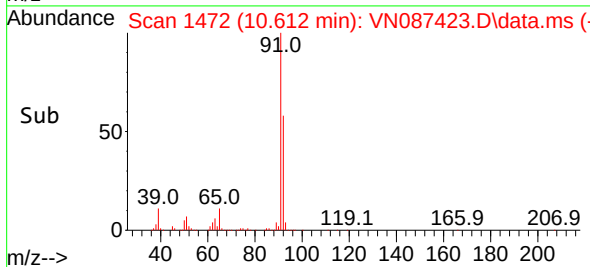
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

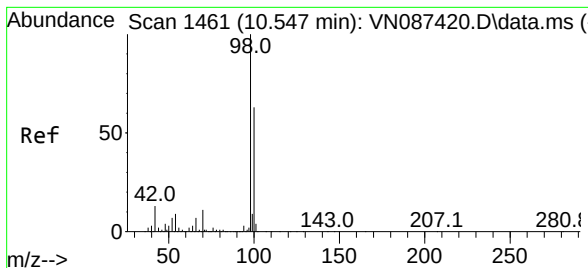


#62
Toluene
Concen: 153.781 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



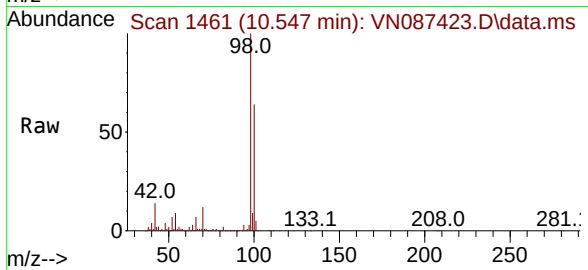
Tgt Ion: 91 Resp: 4106334
Ion Ratio Lower Upper
91 100
92 56.9 47.4 71.0





#63
Toluene-d8
Concen: 30.137 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

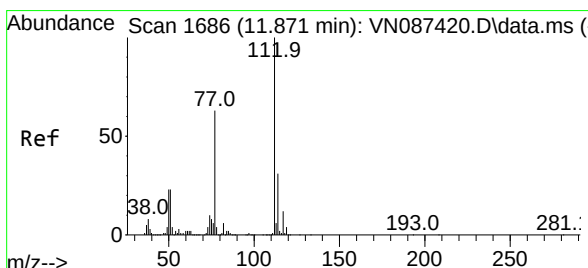
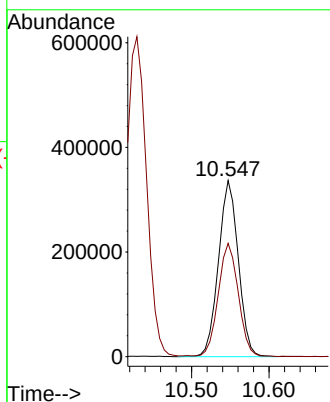
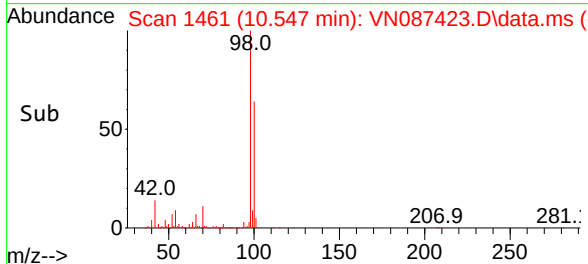
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



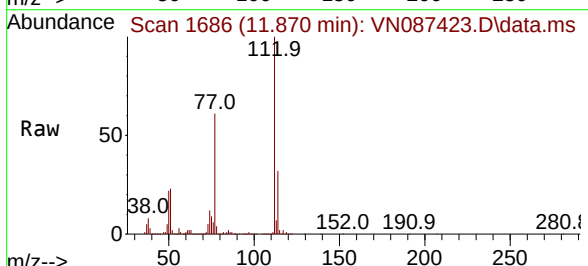
Tgt Ion: 98 Resp: 600918
Ion Ratio Lower Upper
98 100
100 64.4 51.1 76.7

Manual Integrations
APPROVED

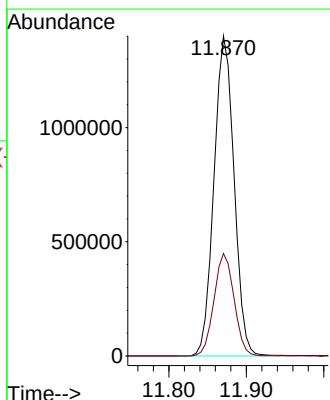
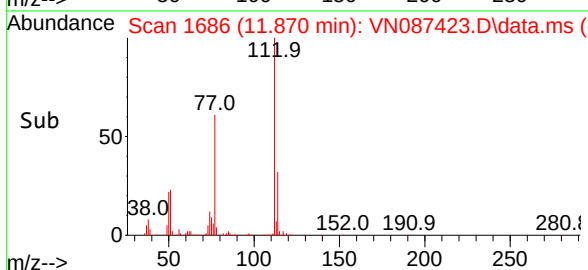
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

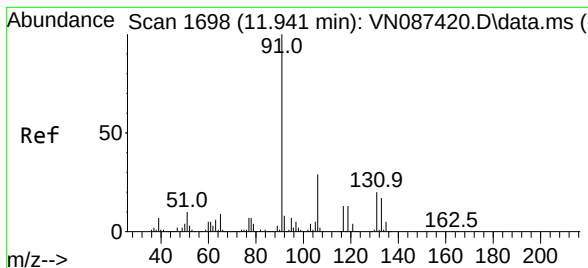


#64
Chlorobenzene
Concen: 147.808 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



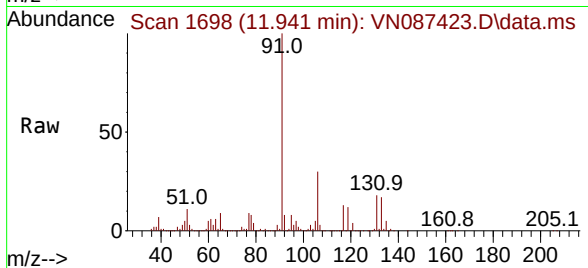
Tgt Ion:112 Resp: 2523340
Ion Ratio Lower Upper
112 100
114 32.0 24.0 36.0





#65
1,1,1,2-Tetrachloroethane
Concen: 135.830 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

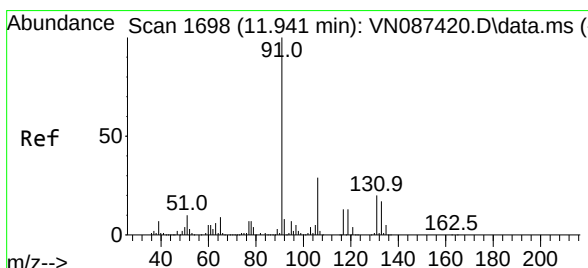
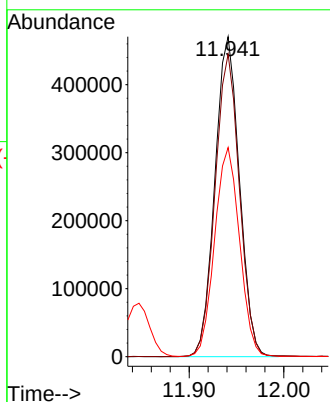
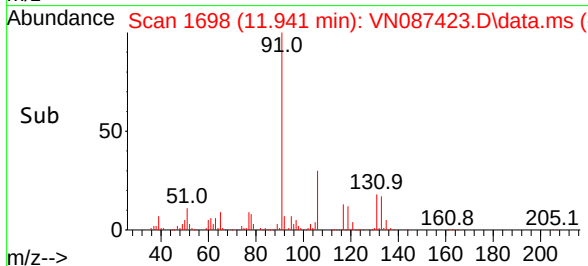
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



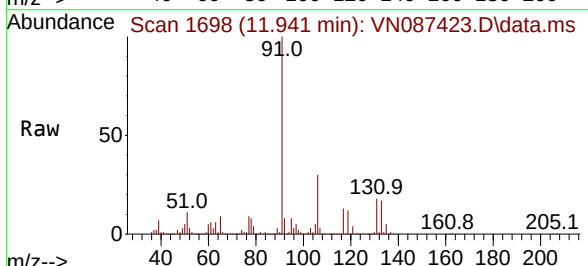
Tgt Ion:131 Resp: 847400
Ion Ratio Lower Upper
131 100
133 94.2 0.0 193.0
119 66.4 0.0 128.2

Manual Integrations
APPROVED

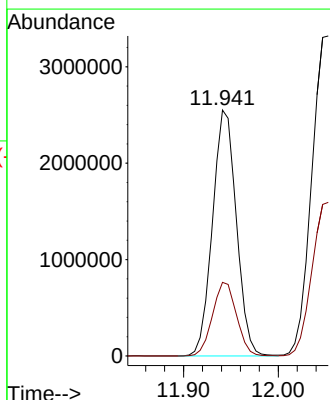
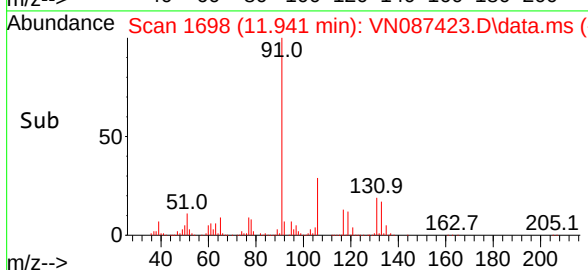
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

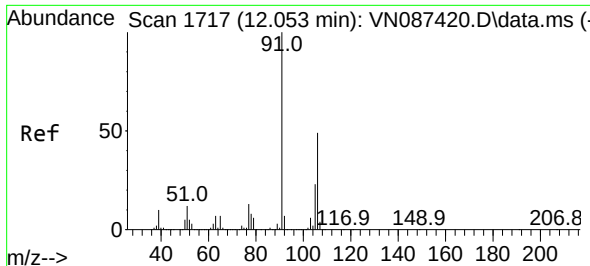


#66
Ethyl Benzene
Concen: 154.361 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



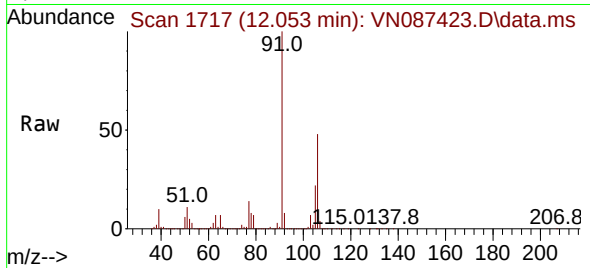
Tgt Ion: 91 Resp: 4462413
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.6





#67
m/p-Xylenes
Concen: 286.328 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

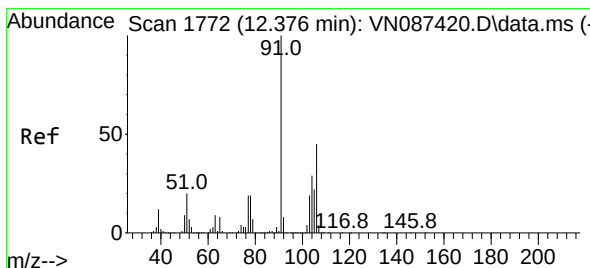
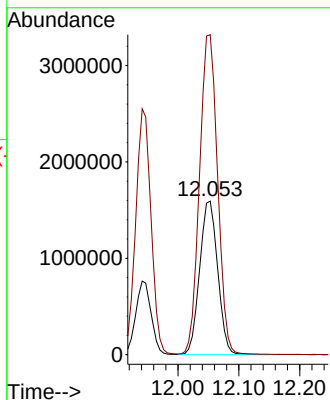
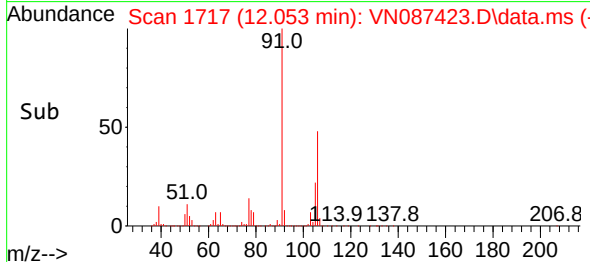
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



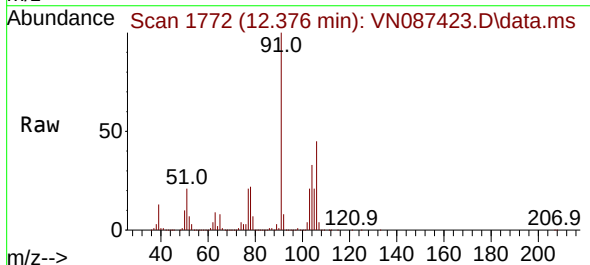
Tgt Ion:106 Resp: 327572
Ion Ratio Lower Upper
106 100
91 208.9 163.4 245.2

Manual Integrations
APPROVED

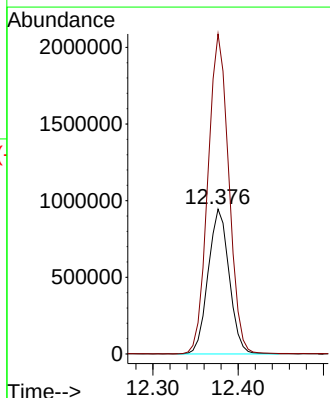
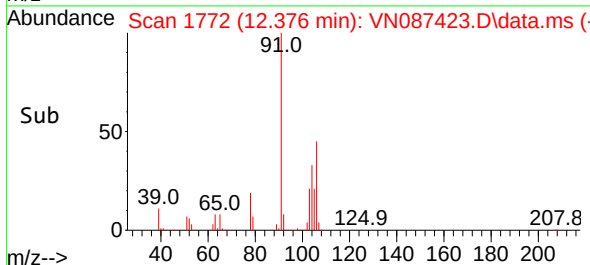
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

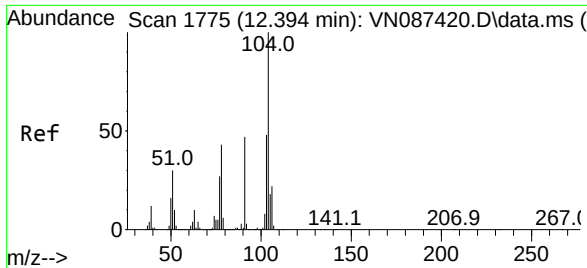


#68
o-Xylene
Concen: 147.118 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



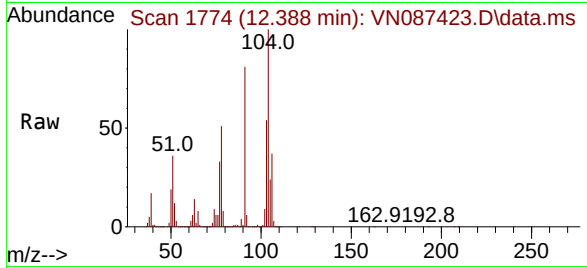
Tgt Ion:106 Resp: 1614502
Ion Ratio Lower Upper
106 100
91 220.0 106.6 319.8





#69
Styrene
Concen: 146.993 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

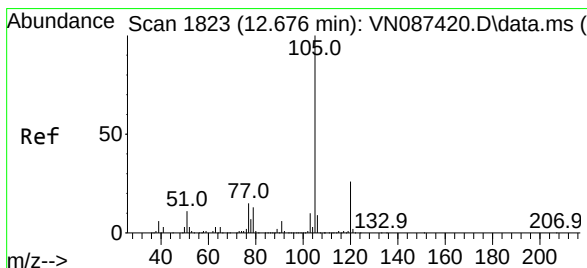
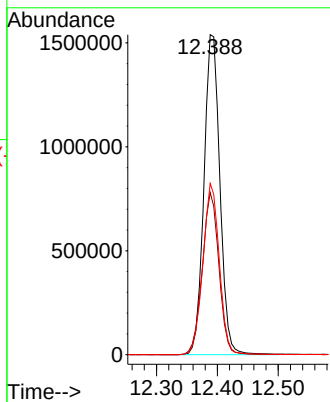
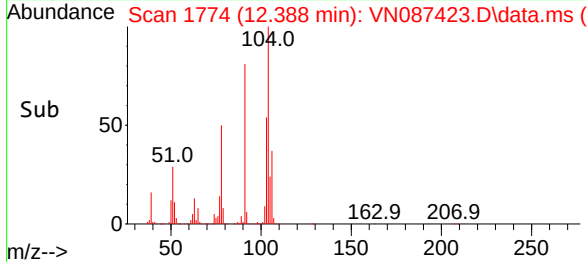
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



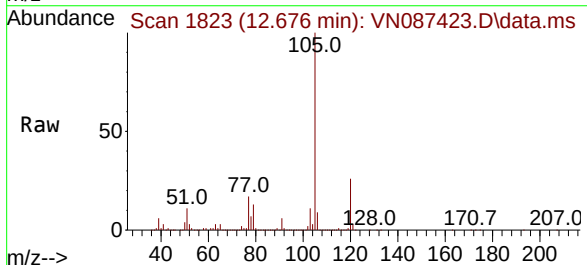
Tgt Ion:104 Resp: 2806629
Ion Ratio Lower Upper
104 100
78 52.5 40.7 61.1
103 54.9 43.4 65.2

Manual Integrations
APPROVED

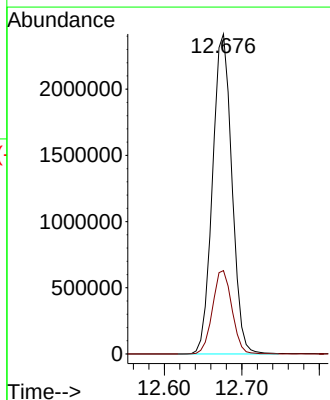
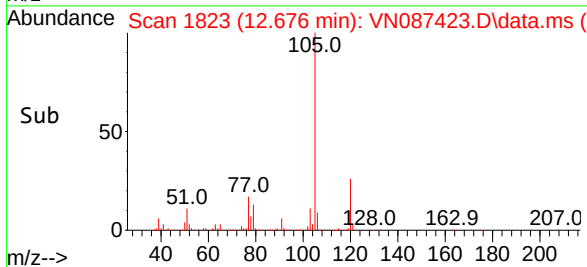
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

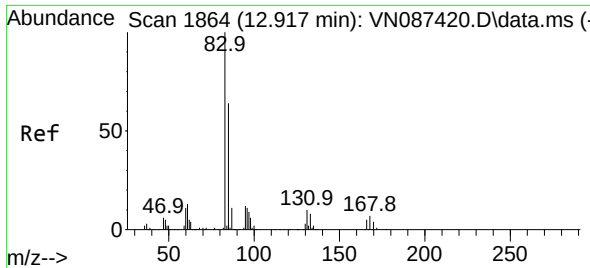


#70
Isopropylbenzene
Concen: 151.685 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



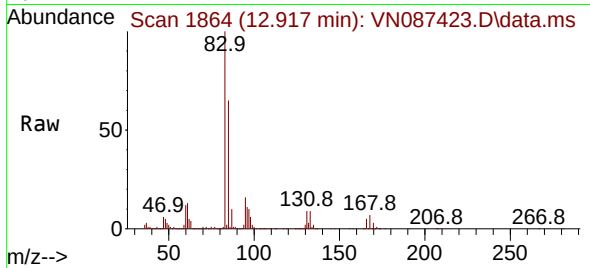
Tgt Ion:105 Resp: 4192456
Ion Ratio Lower Upper
105 100
120 26.1 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 146.862 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

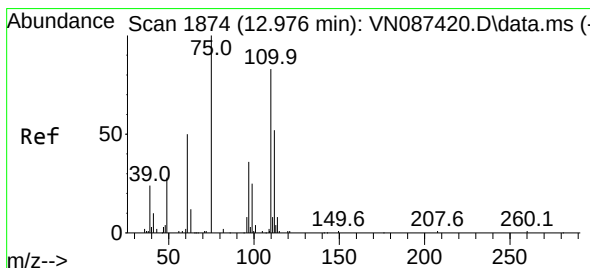
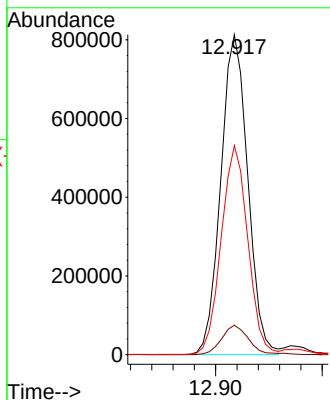
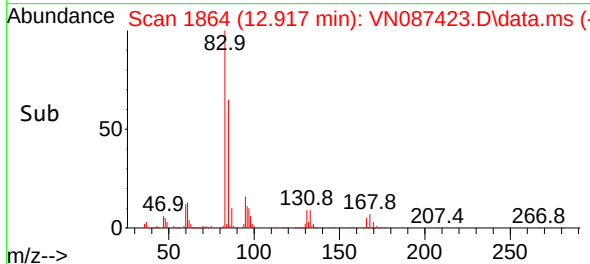
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



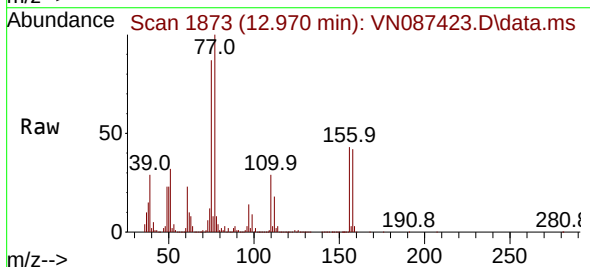
Tgt Ion: 83 Resp: 142792
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 64.2 30.6 91.6

Manual Integrations
APPROVED

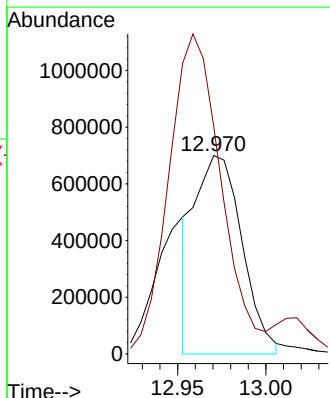
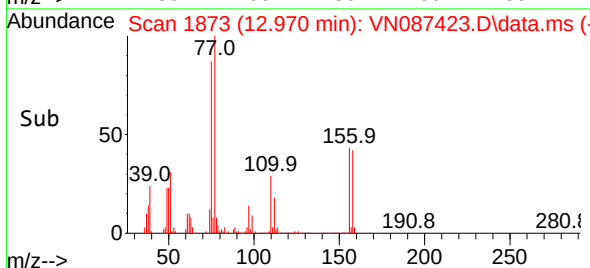
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

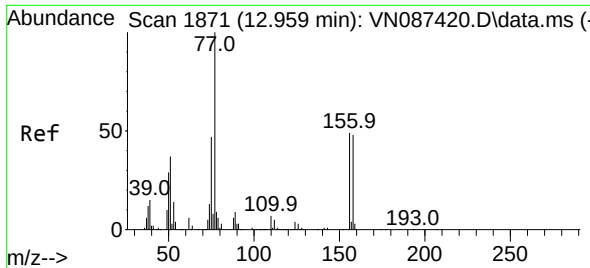


#72
1,2,3-Trichloropropane
Concen: 149.882 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



Tgt Ion: 75 Resp: 1301897
Ion Ratio Lower Upper
75 100
77 179.1 0.0 361.2





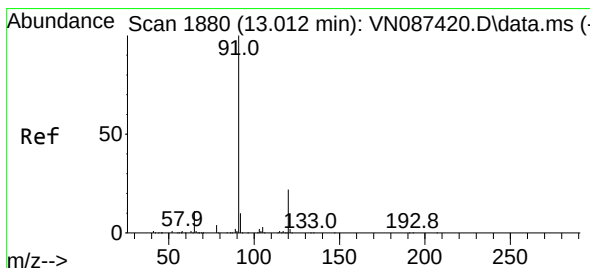
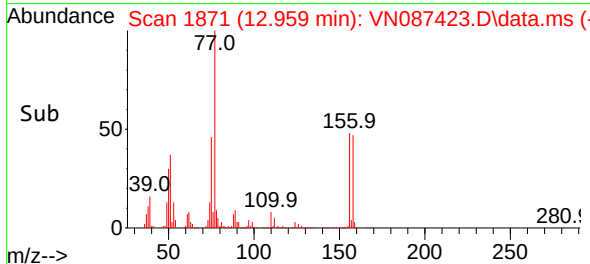
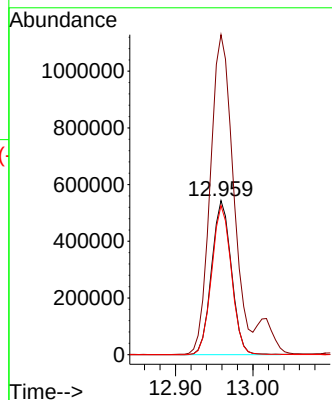
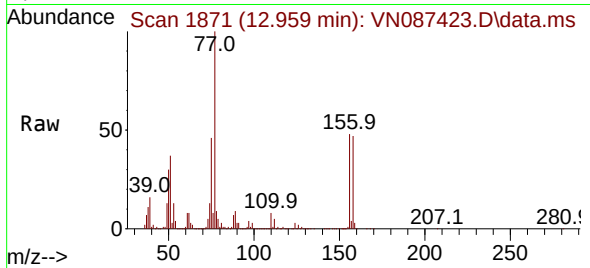
#73
Bromobenzene
Concen: 134.187 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:156 Resp: 96535
Ion Ratio Lower Upper
156 100
77 241.5 0.0 440.6
158 96.2 0.0 195.0

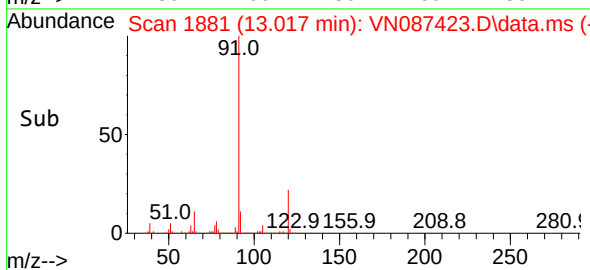
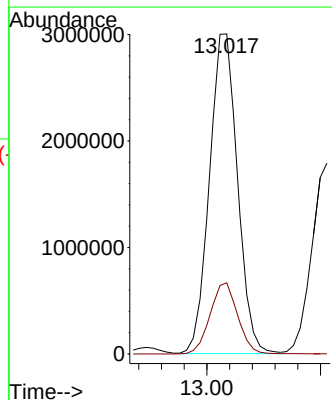
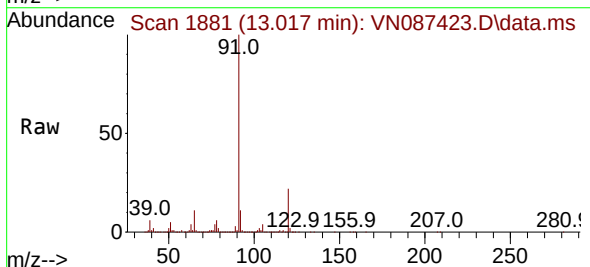
Manual Integrations
APPROVED

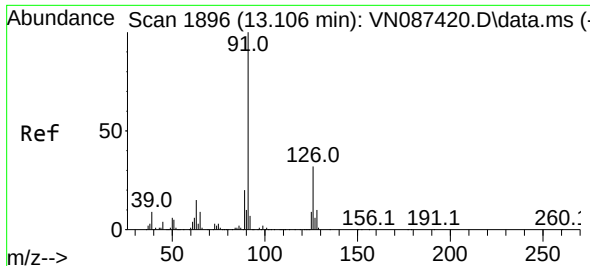
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#74
n-propylbenzene
Concen: 147.698 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 91 Resp: 5155110
Ion Ratio Lower Upper
91 100
120 21.8 0.0 44.6





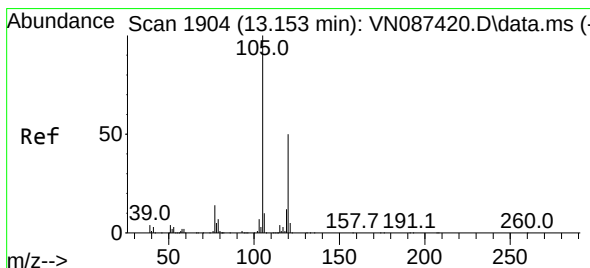
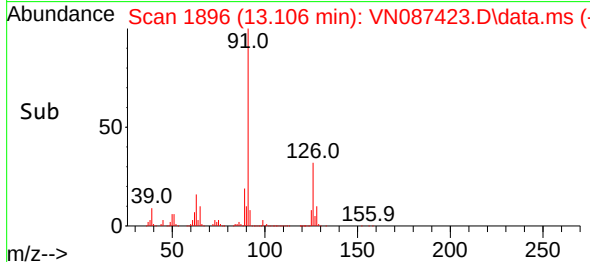
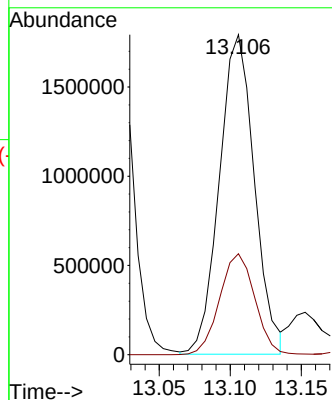
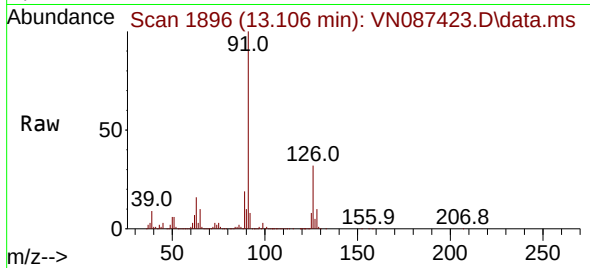
#75
2-Chlorotoluene
Concen: 146.634 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 307393
Ion Ratio Lower Upper
91 100
126 31.8 0.0 65.4

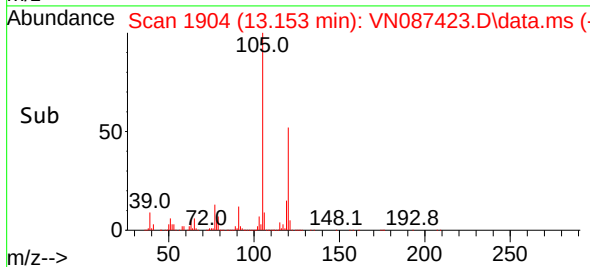
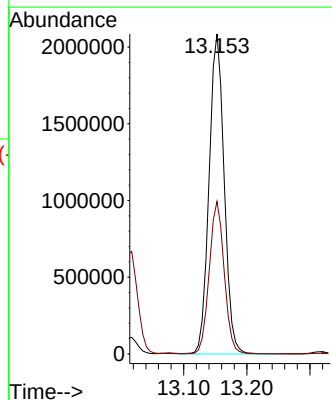
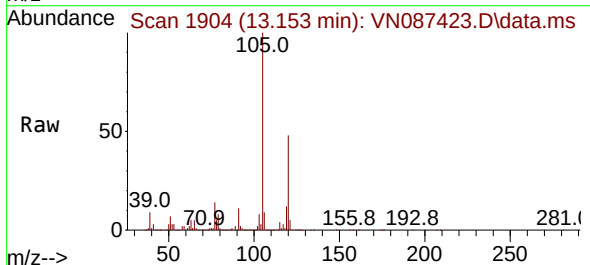
Manual Integrations
APPROVED

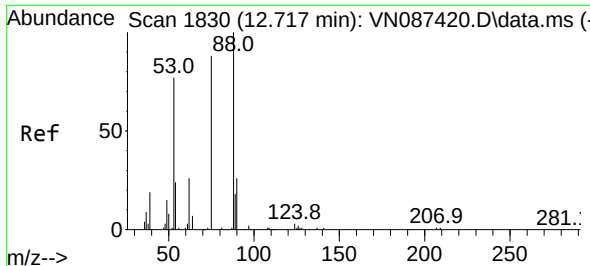
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#76
1,3,5-Trimethylbenzene
Concen: 144.023 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

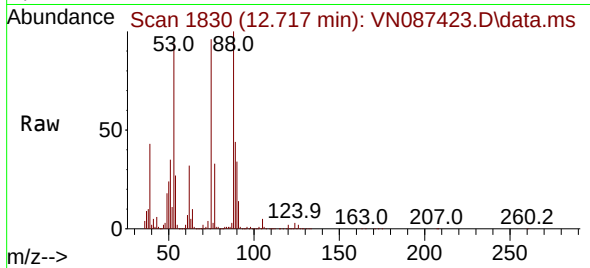
Tgt Ion:105 Resp: 3462485
Ion Ratio Lower Upper
105 100
120 47.2 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 174.881 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

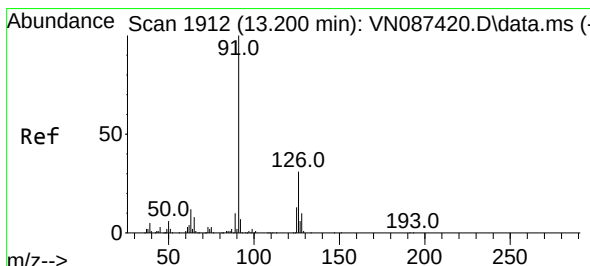
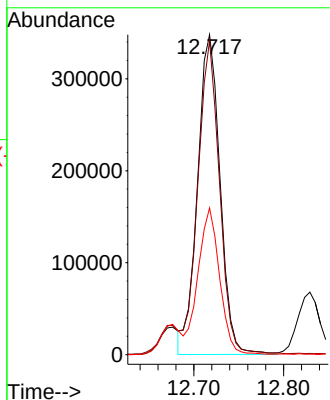
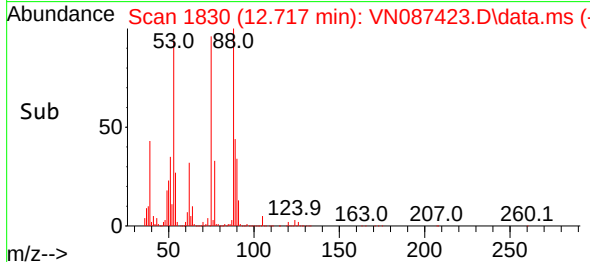
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 75 Resp: 607084
Ion Ratio Lower Upper
75 100
53 98.0 44.0 131.8
89 45.7 17.0 50.9

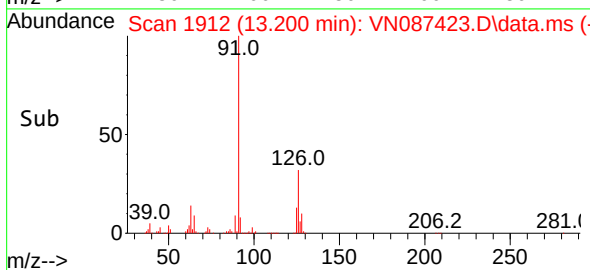
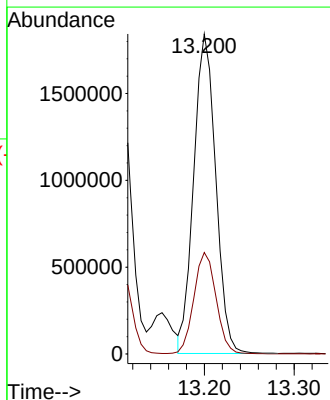
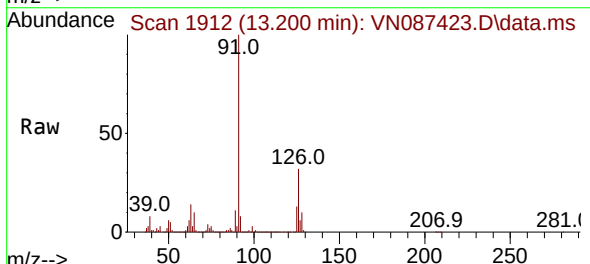
Manual Integrations
APPROVED

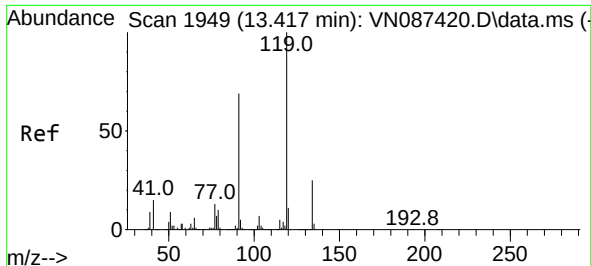
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#78
4-Chlorotoluene
Concen: 140.158 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Tgt Ion: 91 Resp: 3133622
Ion Ratio Lower Upper
91 100
126 32.2 0.0 66.6





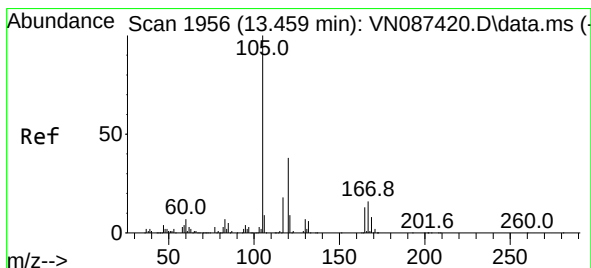
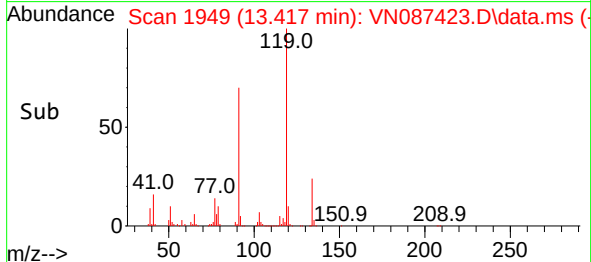
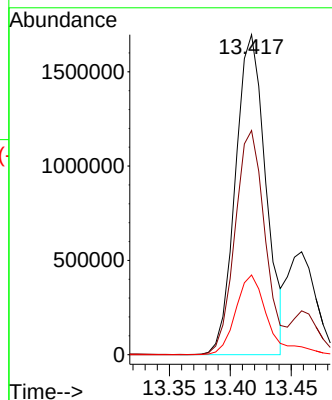
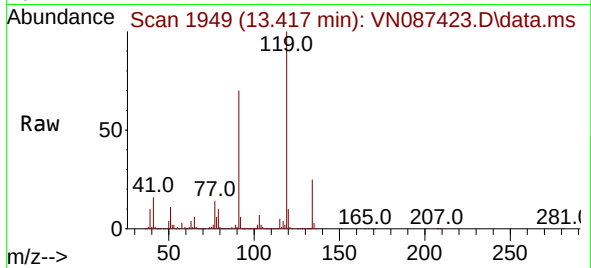
#79
tert-butylbenzene
Concen: 144.242 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 294507
Ion Ratio Lower Upper
119 100
91 70.2 0.0 134.8
134 26.5 0.0 52.0

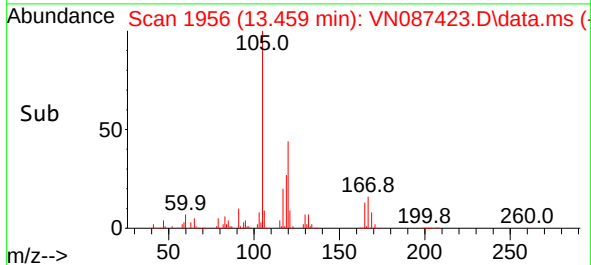
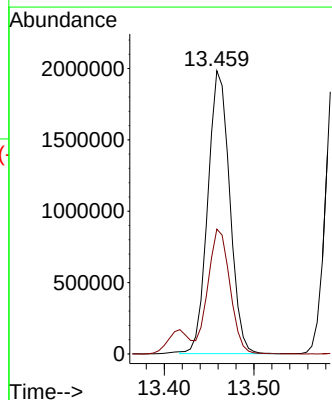
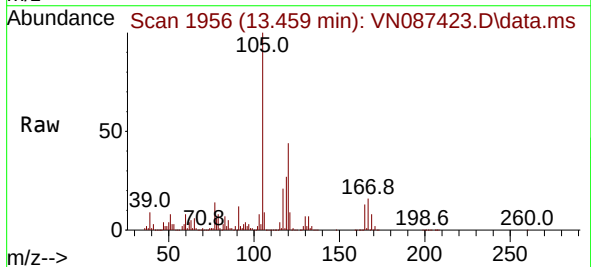
Manual Integrations
APPROVED

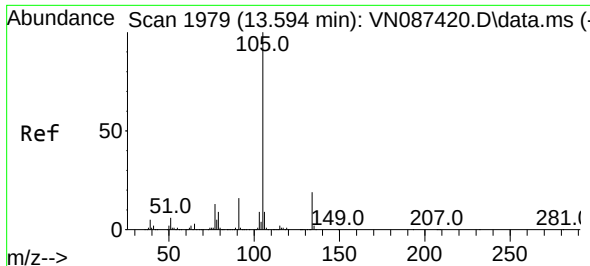
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#80
1,2,4-Trimethylbenzene
Concen: 136.739 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

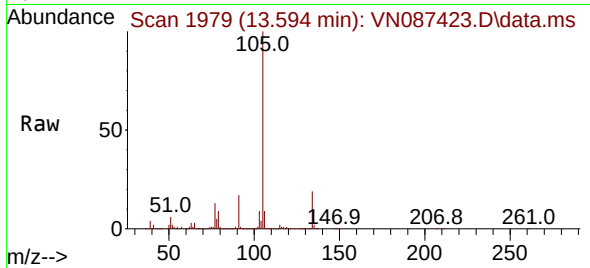
Tgt Ion:105 Resp: 3355857
Ion Ratio Lower Upper
105 100
120 43.9 0.0 93.6





#81
 sec-Butylbenzene
 Concen: 148.387 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087423.D
 Acq: 28 Jul 2025 11:09

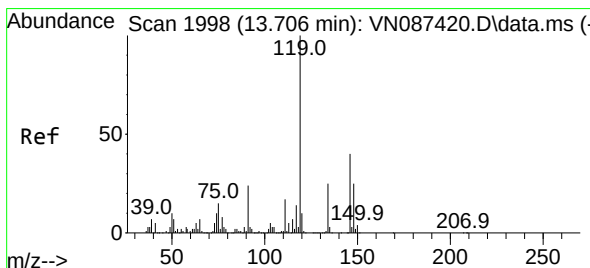
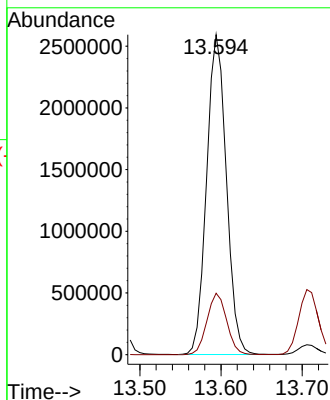
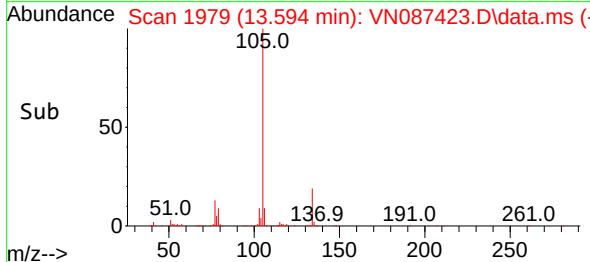
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



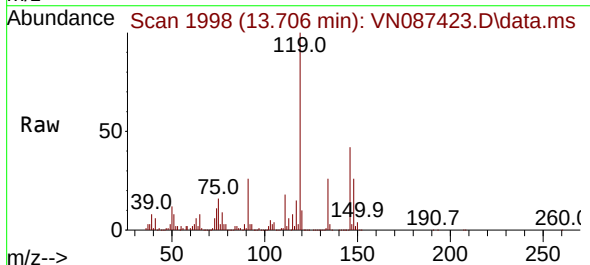
Tgt Ion:105 Resp: 437243
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.6

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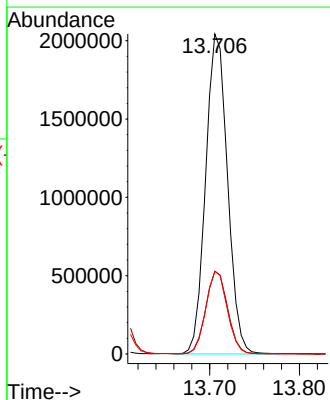
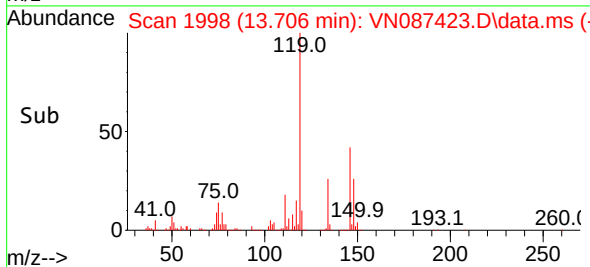
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

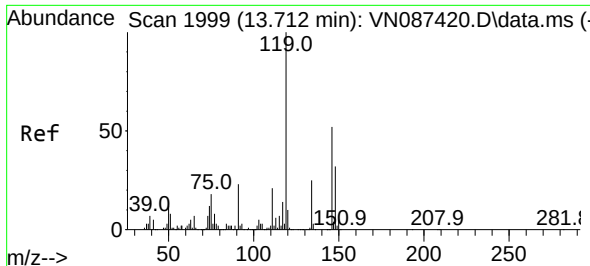


#82
 p-Isopropyltoluene
 Concen: 136.804 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087423.D
 Acq: 28 Jul 2025 11:09



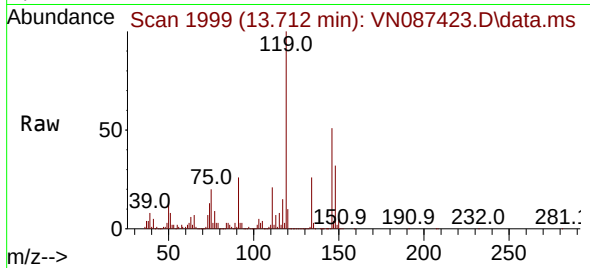
Tgt Ion:119 Resp: 3459843
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.8
 91 25.3 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 122.841 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

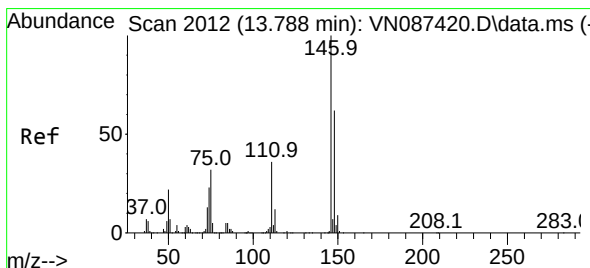
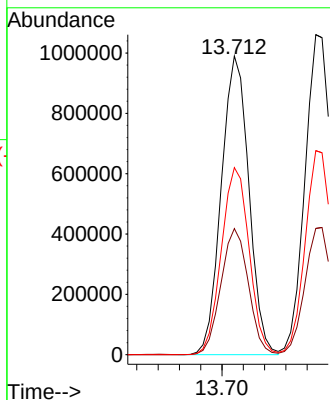
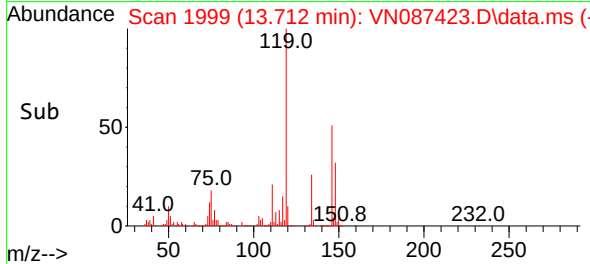
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



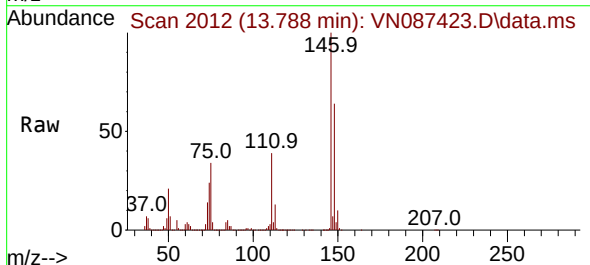
Tgt Ion:146 Resp: 1780579
Ion Ratio Lower Upper
146 100
111 41.9 20.2 60.6
148 63.2 31.7 95.1

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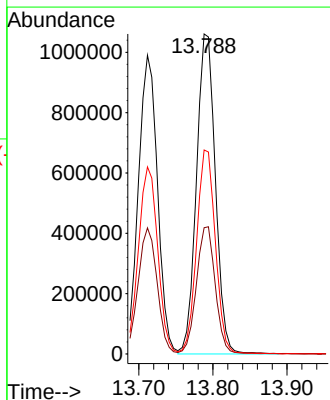
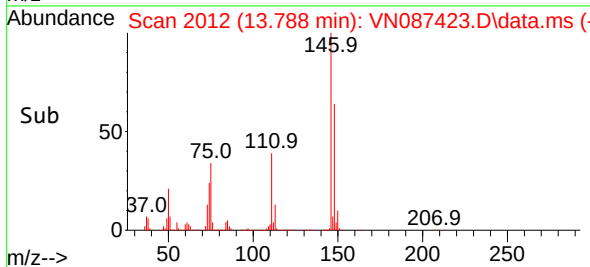
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

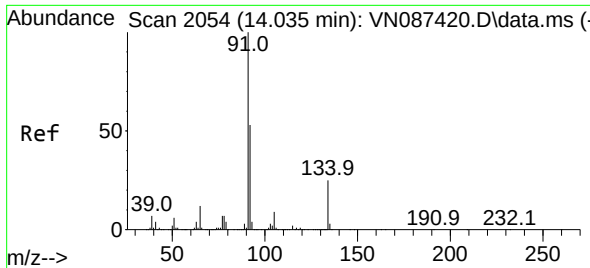


#84
1,4-Dichlorobenzene
Concen: 131.573 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



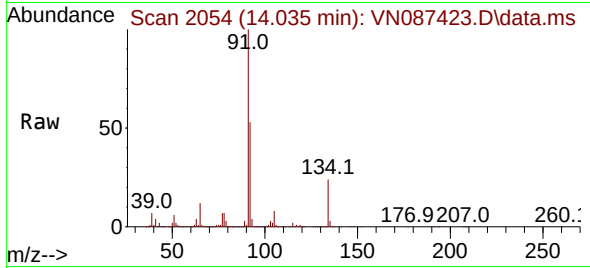
Tgt Ion:146 Resp: 1882449
Ion Ratio Lower Upper
146 100
111 39.3 19.4 58.1
148 63.0 32.4 97.2





#85
n-Butylbenzene
Concen: 154.069 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

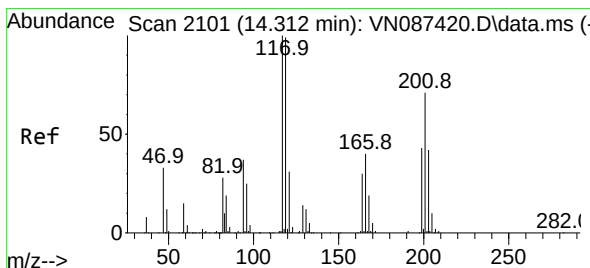
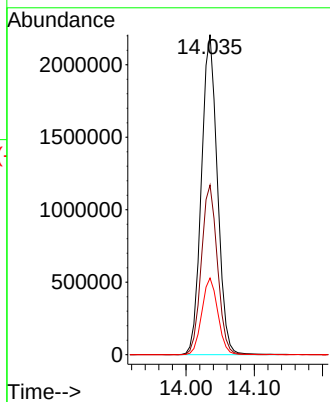
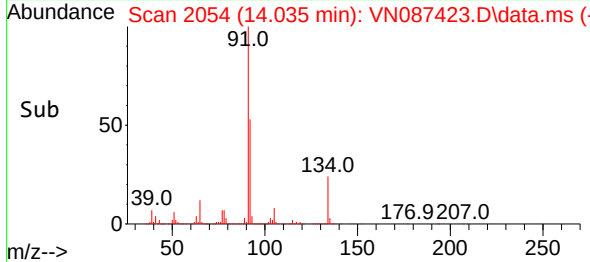
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 91 Resp: 358859
Ion Ratio Lower Upper
91 100
92 53.3 0.0 101.4
134 24.0 0.0 48.6

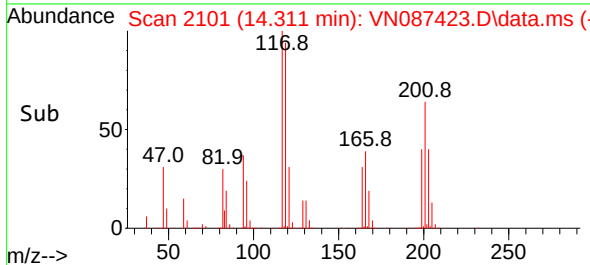
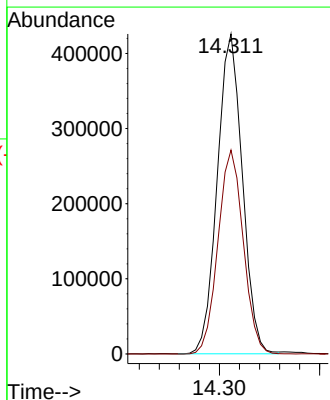
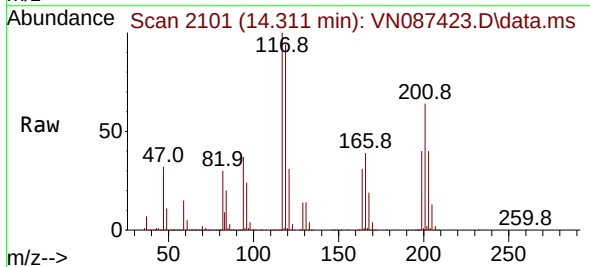
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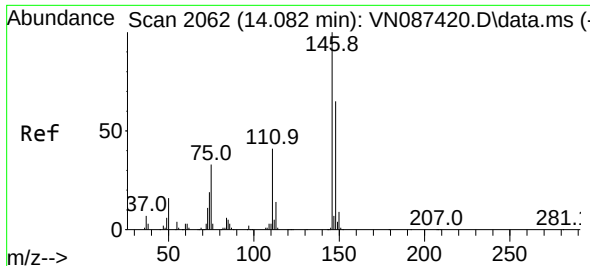
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#86
Hexachloroethane
Concen: 150.446 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

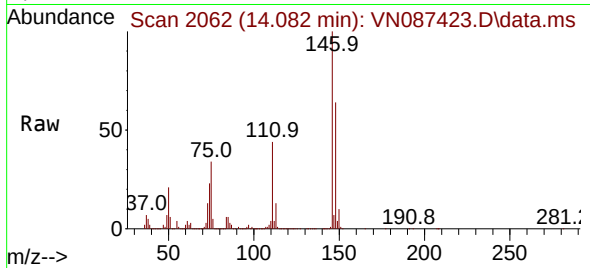
Tgt Ion:117 Resp: 740407
Ion Ratio Lower Upper
117 100
201 64.1 34.2 102.5





#87
1,2-Dichlorobenzene
Concen: 130.608 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

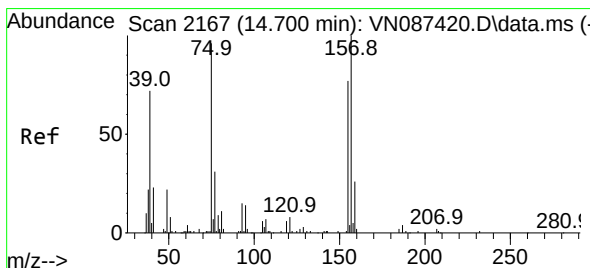
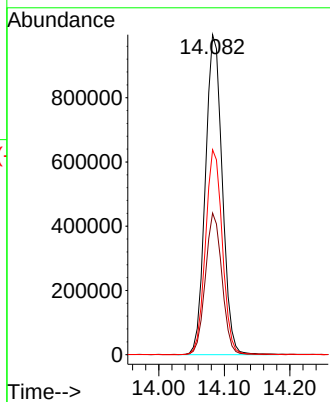
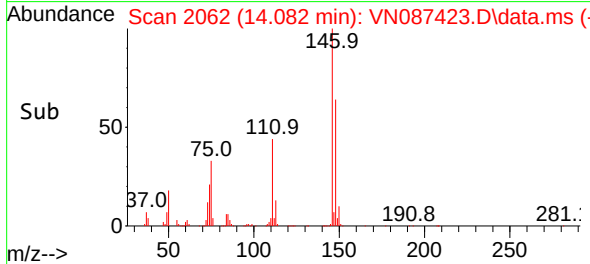
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



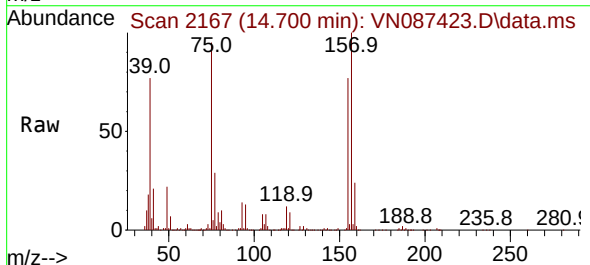
Tgt Ion:146 Resp: 178246
Ion Ratio Lower Upper
146 100
111 43.4 21.9 65.8
148 63.8 31.2 93.6

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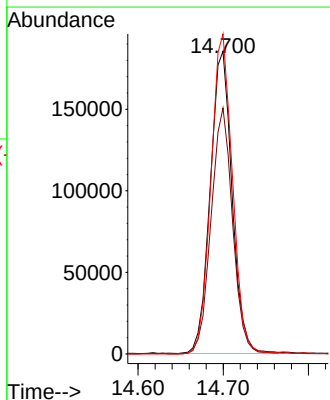
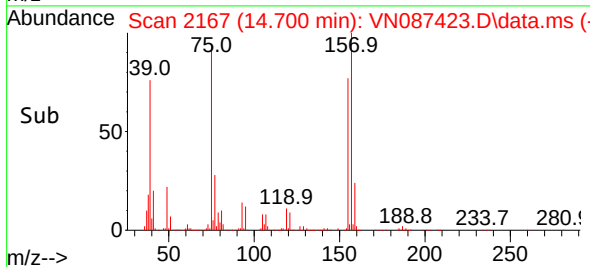
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

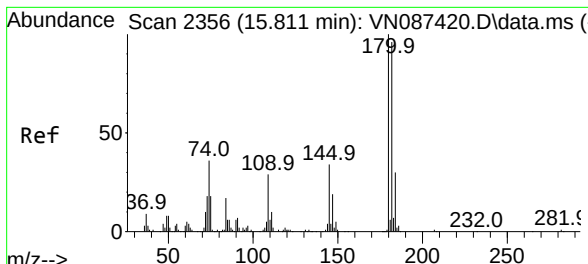


#88
1,2-Dibromo-3-Chloropropane
Concen: 145.625 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



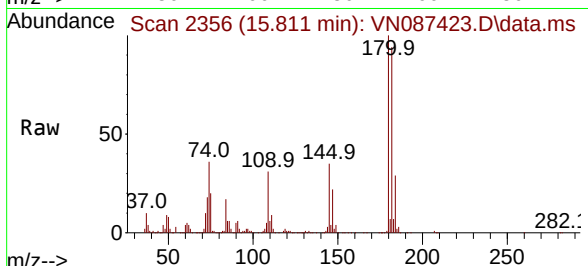
Tgt Ion: 75 Resp: 329431
Ion Ratio Lower Upper
75 100
155 80.0 61.3 91.9
157 104.2 85.5 128.3





#89
1,2,4-Trichlorobenzene
Concen: 142.014 ug/l
RT: 15.811 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

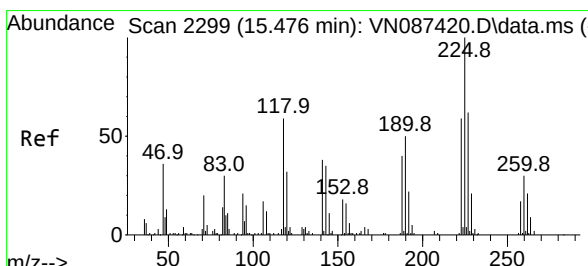
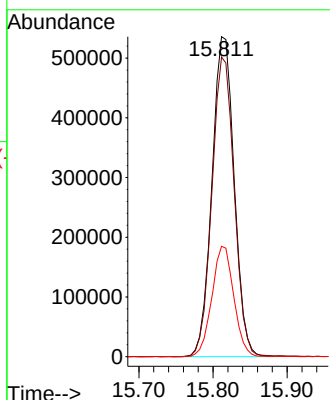
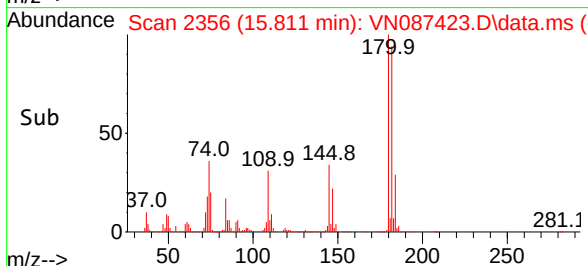
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:180 Resp: 1118050
Ion Ratio Lower Upper
180 100
182 93.5 74.2 111.2
145 34.0 29.3 43.9

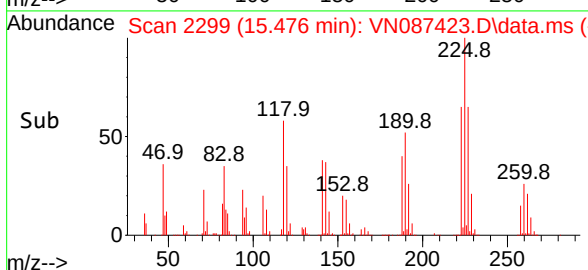
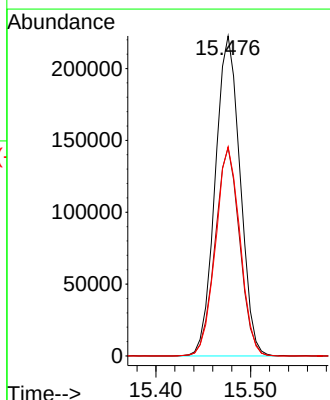
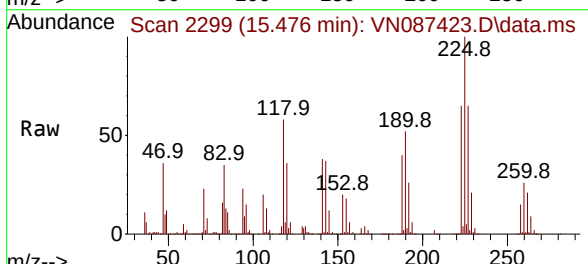
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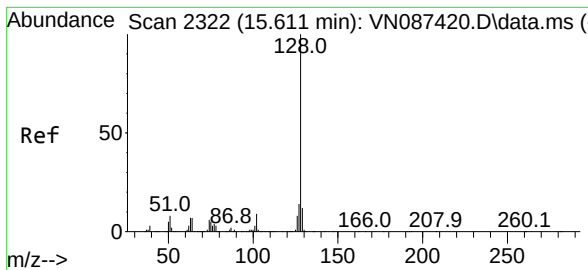
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#90
Hexachlorobutadiene
Concen: 125.331 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

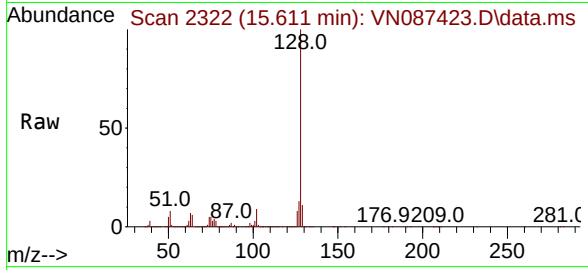
Tgt Ion:225 Resp: 406978
Ion Ratio Lower Upper
225 100
223 64.1 0.0 125.2
227 64.1 0.0 122.4





#91
Naphthalene
Concen: 162.415 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09

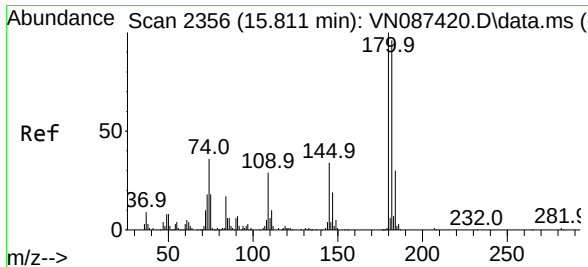
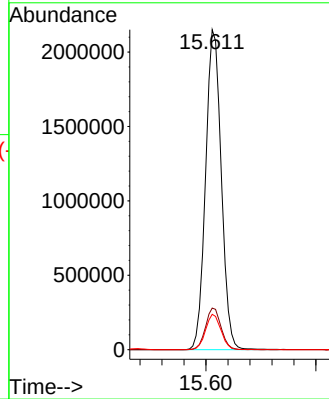
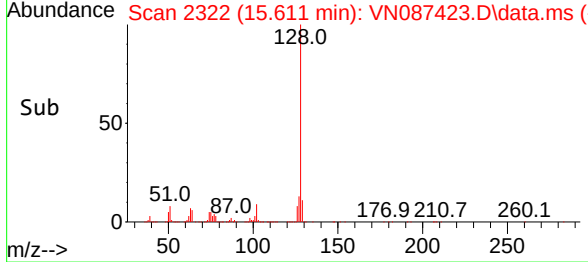
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



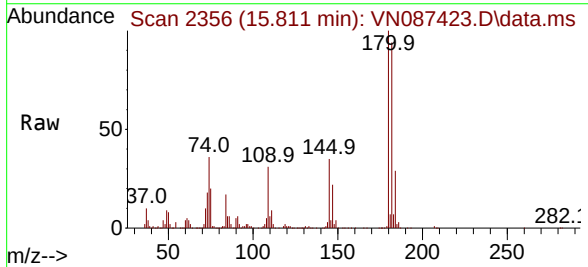
Tgt Ion:128 Resp: 4255804
Ion Ratio Lower Upper
128 100
127 12.9 10.7 16.1
129 10.9 9.0 13.4

Manual Integrations
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Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#92
1,2,3-Trichlorobenzene
Concen: 142.014 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN087423.D
Acq: 28 Jul 2025 11:09



Tgt Ion:180 Resp: 1118050
Ion Ratio Lower Upper
180 100
182 93.5 0.0 185.4
145 34.0 0.0 73.2

