

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087403.D
 Acq On : 23 Jul 2025 11:32
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 24 04:50:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 04:45:45 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.800	128	32808	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	156029	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	158451	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	80344	29.592	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.633%		
60) 4-Bromofluorobenzene	12.823	95	86716	32.822	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	109.400%		
63) Toluene-d8	10.547	98	214243	29.368	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	308153	160.247	ug/l	90
3) Chloromethane	2.383	50	313248	161.368	ug/l	94
4) Vinyl Chloride	2.536	62	345981	159.382	ug/l	95
5) Bromomethane	2.953	94	212222	171.386	ug/l	87
6) Chloroethane	3.130	64	243742	146.050	ug/l #	87
7) Trichlorofluoromethane	3.506	101	519101	140.116	ug/l	95
8) Diethyl Ether	3.959	74	217160	150.479	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	269591m	140.569	ug/l	
10) 1,1-Dichloroethene	4.330	96	277618	139.665	ug/l #	85
11) Methyl Iodide	4.577	142	287112	203.929	ug/l	91
12) Methyl Acetate	5.018	43	412430	159.929	ug/l	95
13) Acrolein	4.171	56	371839	835.080	ug/l	99
14) Acrylonitrile	5.706	53	970045	827.360	ug/l	98
15) Acetone	4.424	58	280358	685.113	ug/l	95
16) Carbon Disulfide	4.700	76	751598	147.084	ug/l	97
17) Allyl chloride	5.012	41	450948	164.628	ug/l	96
18) Methylene Chloride	5.265	84	289163	143.267	ug/l #	84
19) trans-1,2-Dichloroethene	5.771	96	295483	153.075	ug/l	91
20) Diisopropyl ether	6.659	45	1174437	171.333	ug/l	98
21) 1,1-Dichloroethane	6.559	63	574816	153.028	ug/l	95
22) cis-1,2-Dichloroethene	7.471	96	359946	156.558	ug/l	96
23) tert-Butyl Alcohol	5.530	59	315668	790.572	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	1053042	166.243	ug/l	99
25) Chloroform	7.947	83	606973	149.488	ug/l	91
26) Cyclohexane	8.241	56	468895	168.171	ug/l #	96
29) 1,1-Dichloropropene	8.353	75	412418	156.333	ug/l	99
30) 2-Butanone	7.471	43	1441630	812.274	ug/l	97
31) 2,2-Dichloropropane	7.477	77	511351	147.594	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	501569	146.301	ug/l	99
33) Carbon Tetrachloride	8.347	117	441001	146.476	ug/l	95
34) Benzene	8.588	78	1298039	154.389	ug/l	98
35) Methacrylonitrile	7.765	41	308690	168.338	ug/l	91
36) 1,2-Dichloroethane	8.653	62	500185	148.828	ug/l	100
37) Trichloroethene	9.335	130	278303	141.488	ug/l	99
38) Methylcyclohexane	9.582	83	452915	165.952	ug/l	97
39) 1,2-Dichloropropane	9.606	63	324736	153.723	ug/l	96
40) Dibromomethane	9.688	93	249428	149.589	ug/l	99
41) Bromodichloromethane	9.871	83	481463	145.827	ug/l	92
42) Vinyl Acetate	6.594	43	5136100	845.083	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	581118m	156.702	ug/l	
44) Isopropyl Acetate	8.676	43	943779	167.374	ug/l	97
45) 1,4-Dioxane	9.682	88	113953	3303.280	ug/l #	56
46) Methyl methacrylate	9.665	41	445064	171.879	ug/l	99
47) n-amyl Acetate	12.482	43	688872	236.640	ug/l #	60
48) t-1,3-Dichloropropene	10.818	75	565440	162.670	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	560783	159.581	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	319867	149.648	ug/l	96
51) Ethyl methacrylate	10.859	69	574382	177.567	ug/l	98
52) 1,3-Dichloropropane	11.141	76	566671	156.341	ug/l	97
53) Dibromochloromethane	11.341	129	392708	156.391	ug/l	99
54) 1,2-Dibromoethane	11.447	107	341133	152.464	ug/l	96
55) 2-Chloroethyl vinyl ether	10.141	63	1452365	837.808	ug/l	98
56) Bromoform	12.559	173	294556	166.136	ug/l	100
58) 4-Methyl-2-Pentanone	10.429	43	3029140	797.821	ug/l	99
59) 2-Hexanone	11.176	43	2187266	846.940	ug/l	98
61) Tetrachloroethene	11.082	164	250544	140.959	ug/l	93
62) Toluene	10.612	91	1463796	153.217	ug/l	98
64) Chlorobenzene	11.870	112	925608	153.179	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.941	131	328710	147.925	ug/l	99
66) Ethyl Benzene	11.941	91	1677577	164.532	ug/l	97
67) m/p-Xylenes	12.047	106	1321681	324.369	ug/l	99
68) o-Xylene	12.376	106	641702	168.026	ug/l	97
69) Styrene	12.394	104	1151582	171.436	ug/l	99
70) Isopropylbenzene	12.676	105	1665412	170.112	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.917	83	538986	154.029	ug/l	96
72) 1,2,3-Trichloropropane	12.970	75	525973m	118.649	ug/l	
73) Bromobenzene	12.959	156	405169	158.627	ug/l	96
74) n-propylbenzene	13.012	91	2014635	161.916	ug/l	99
75) 2-Chlorotoluene	13.106	91	1206115	164.175	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	1399094	165.134	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	223985	184.602	ug/l	83
78) 4-Chlorotoluene	13.200	91	1286870	163.247	ug/l	99
79) tert-butylbenzene	13.417	119	1207218	169.010	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	1462215	168.612	ug/l	99
81) sec-Butylbenzene	13.594	105	1720694	165.116	ug/l	99
82) p-Isopropyltoluene	13.706	119	1526180	171.037	ug/l	97
83) 1,3-Dichlorobenzene	13.711	146	804036	156.099	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	803072	157.759	ug/l	98
85) n-Butylbenzene	14.035	91	1394470	171.089	ug/l	97
86) Hexachloroethane	14.311	117	279017	158.990	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	769851	157.565	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	126525	159.520	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	473933	170.062	ug/l	97
90) Hexachlorobutadiene	15.476	225	180043	156.218	ug/l	98
91) Naphthalene	15.611	128	1671613	182.141	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	473933	170.062	ug/l	97

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

Manual Integrations APPROVED

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

Abundance

TIC: VN087403.D\data.ms

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

5200000

5000000

4800000

4600000

4400000

4200000

4000000

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

Dichlorodifluoromethane, M

Chloromethane, M

Vinyl Chloride, M

Bromomethane, M

Chloroethane, M

Trichlorofluoromethane, M

Diethyl Ether, T

Acrolein, M

1,1-Dichloroethane, M

Acetone, M

Methyl Iodide

Carbon Disulfide, M

Methyl Acrylate

Methylene Chloride, M

tert-Butyl Alcohol, M

Acrylonitrile, M

1,2-Dichloroethane, M

1,1-Dichloroethane, M

Vinyl Acetate, M

1,1-Dichloroethane, M

Ethyl Acetate

Bromochloromethane, M

Chloroform, M

1,1,1-Trichloroethane, M

Cyclohexane

1,2-Dichloroethane, M

1,2-Dichloroethane, M

1,2-Dichloroethane, M

1,4-Difluorobenzene, M

Trichloroethene, M

Dichloromethane, M

Bromodichloromethane, M

cis-1,3-Dichloropropene, T

Toluene, M

1,1,1-Trichloroethane, M

1,1,2-Trichloroethane, M

1,2-Dichloroethane, M

Dibromochloromethane, M

1,2-Dibromochloromethane, M

Chlorobenzene, M

Chlorobenzene, M

Styrene, M

o-Xylene, M

Isopropylbenzene

1,2,3-Trichloropropane, M

1,2,2-Tetrachloroethane, M

2-Chlorotoluene

1,2,4-Trichlorobenzene

tert-Butylbenzene

sec-Butylbenzene

1,4-Dichlorobenzene, M

1,2-Dichlorobenzene, M

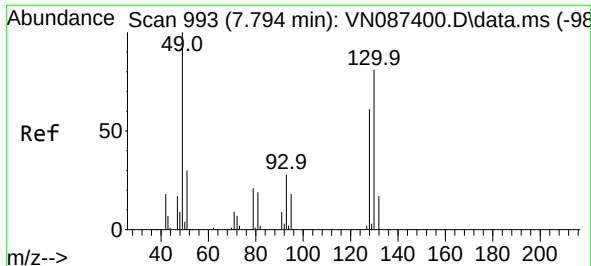
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1,2-Dibromo-3-Chloropropane

Hexachlorobutadiene

Naphthalene, M

1,2,3-Trichlorobenzene



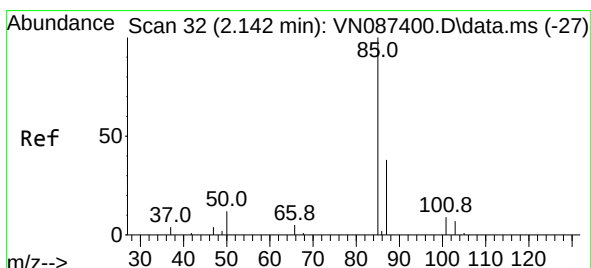
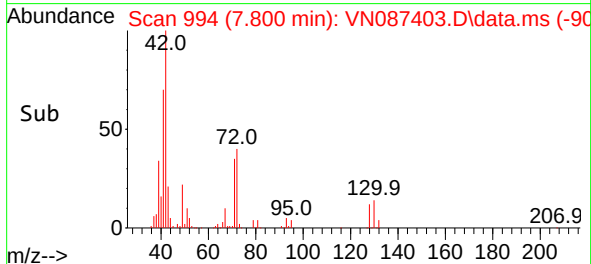
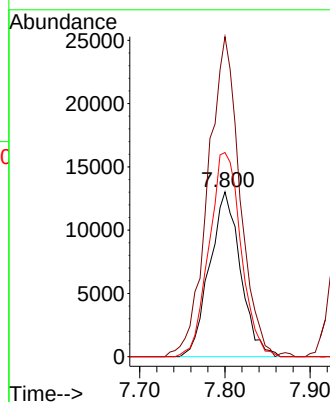
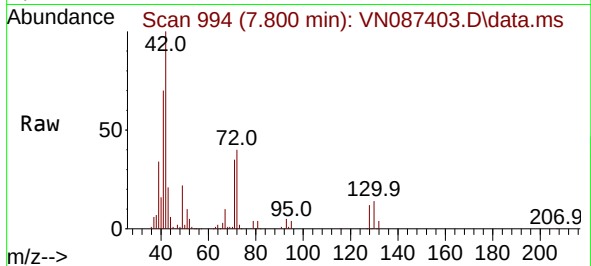
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 32808
Ion Ratio Lower Upper
128 100
49 200.8 0.0 446.2
130 128.2 0.0 331.0

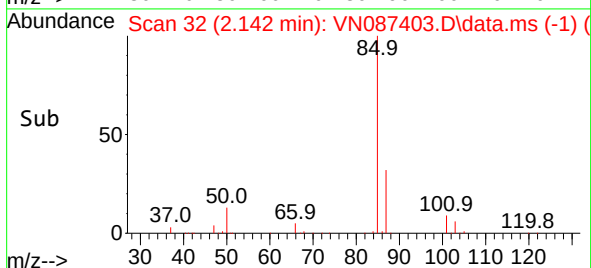
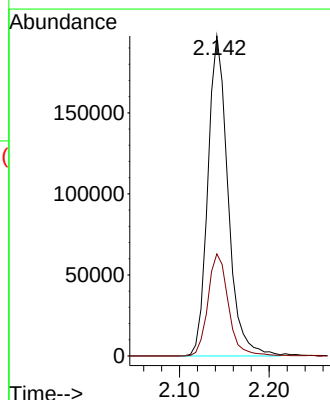
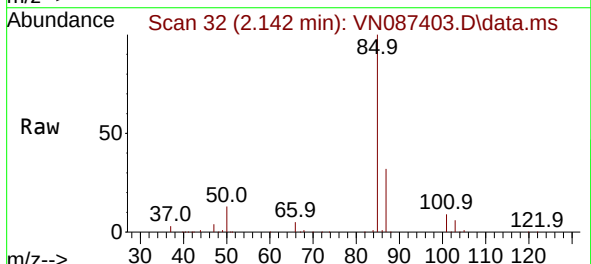
Manual Integrations
APPROVED

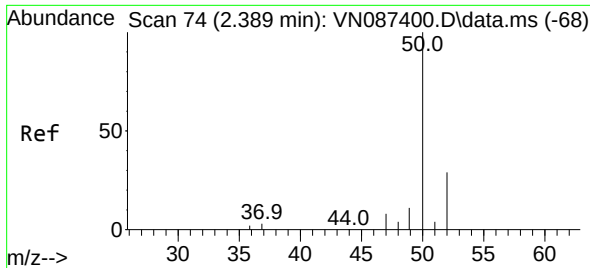
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 160.247 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 85 Resp: 308153
Ion Ratio Lower Upper
85 100
87 31.9 18.9 56.9





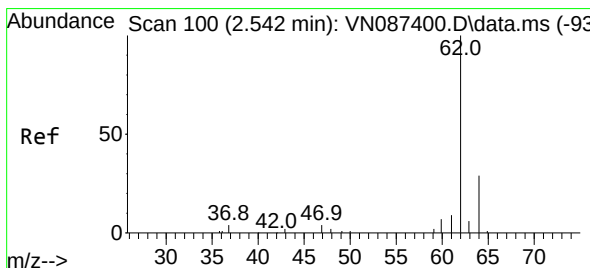
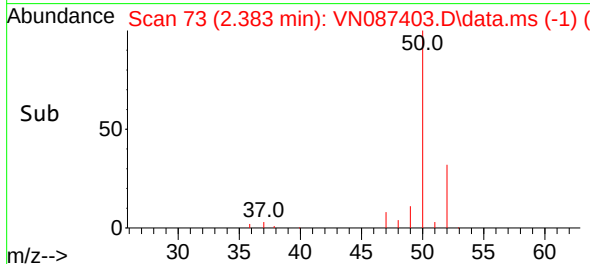
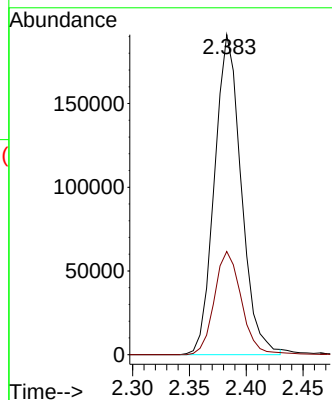
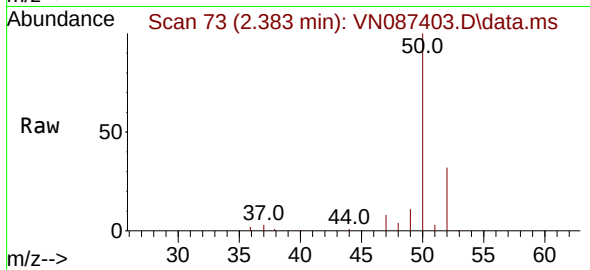
#3
Chloromethane
Concen: 161.368 ug/l
RT: 2.383 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 313248
Ion Ratio Lower Upper
50 100
52 32.2 23.2 34.8

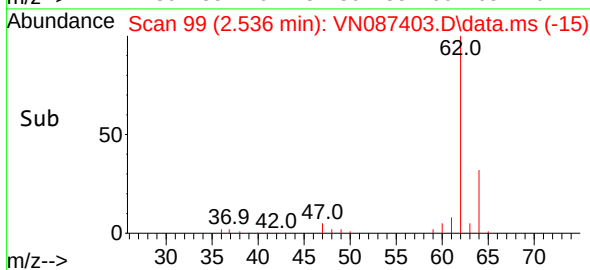
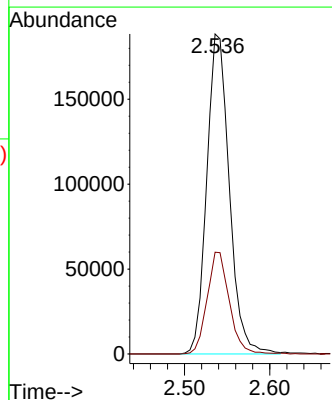
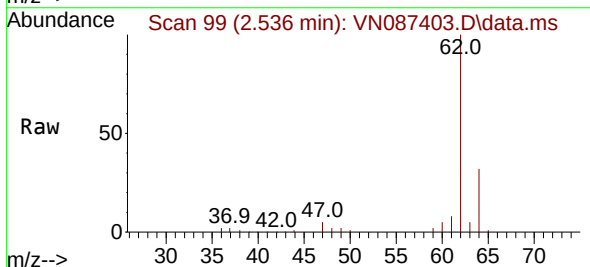
Manual Integrations
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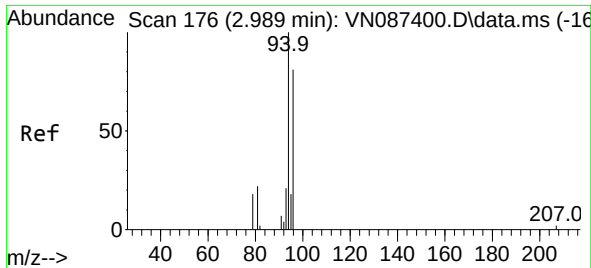
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Vinyl Chloride
Concen: 159.382 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

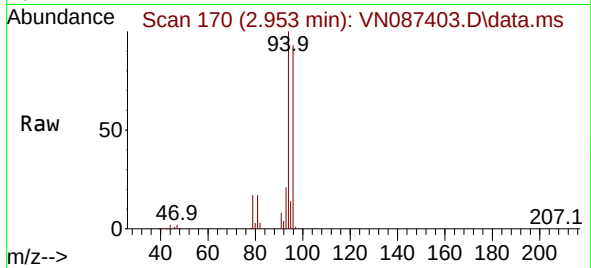
Tgt Ion: 62 Resp: 345981
Ion Ratio Lower Upper
62 100
64 31.8 23.2 34.8





#5
Bromomethane
Concen: 171.386 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

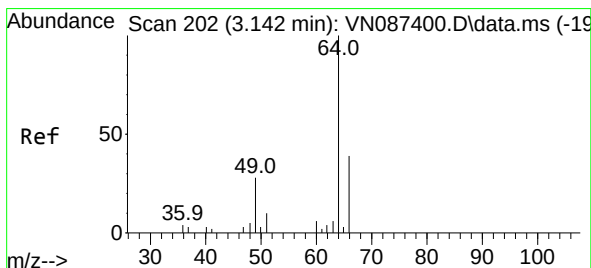
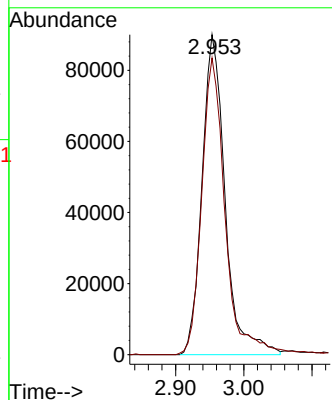
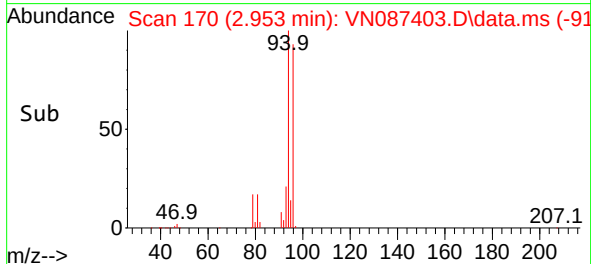
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 21222
Ion Ratio Lower Upper
94 100
96 92.2 64.6 96.8

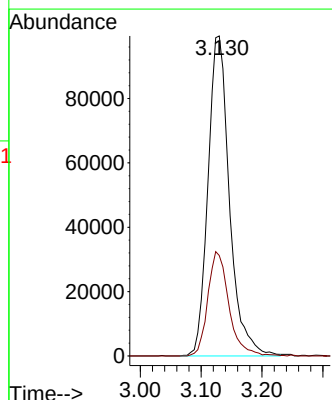
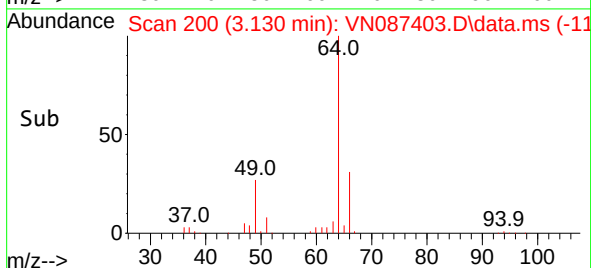
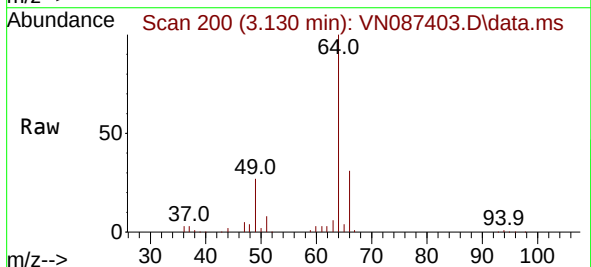
Manual Integrations
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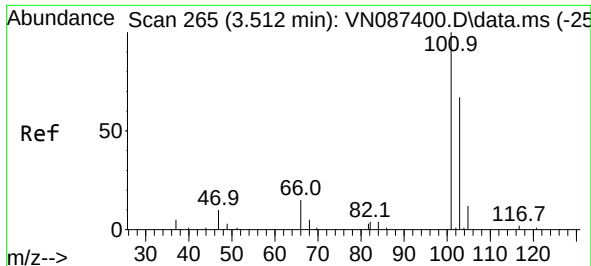
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#6
Chloroethane
Concen: 146.050 ug/l
RT: 3.130 min Scan# 200
Delta R.T. -0.012 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 64 Resp: 243742
Ion Ratio Lower Upper
64 100
66 31.4 31.4 47.2#





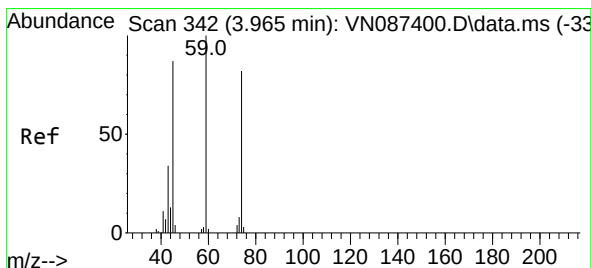
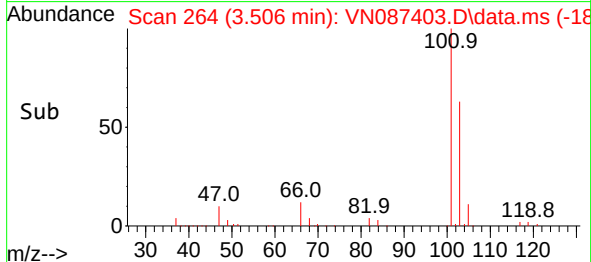
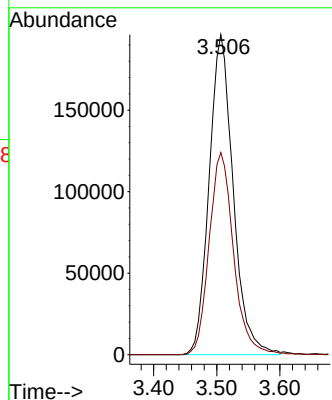
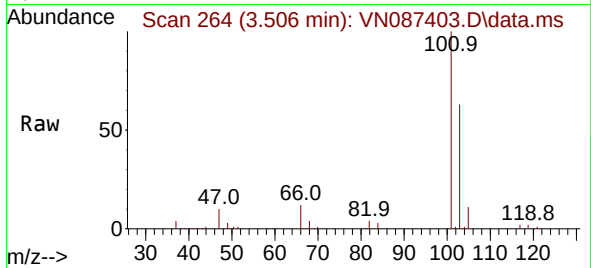
#7
Trichlorofluoromethane
Concen: 140.116 ug/l
RT: 3.506 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 51910
Ion Ratio Lower Upper
101 100
103 63.2 53.7 80.5

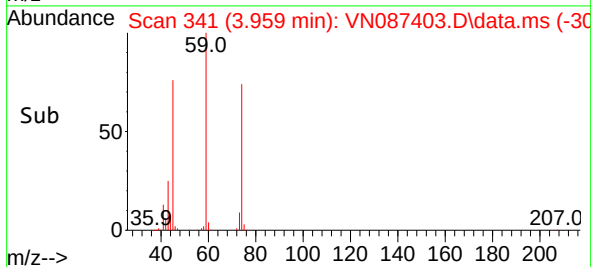
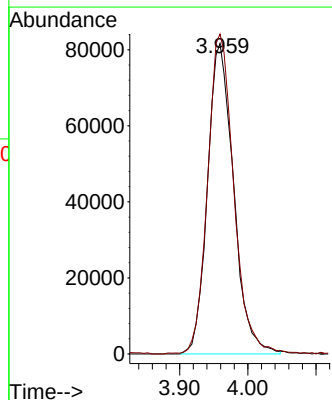
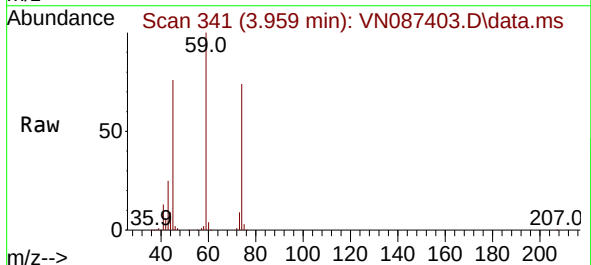
Manual Integrations
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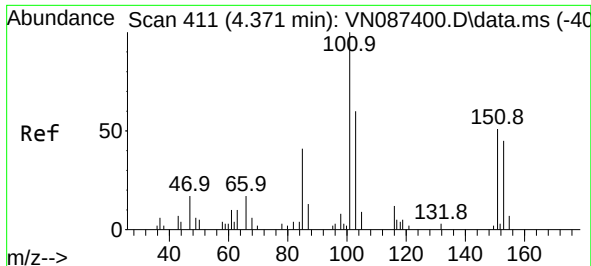
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#8
Diethyl Ether
Concen: 150.479 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 74 Resp: 217160
Ion Ratio Lower Upper
74 100
45 103.3 21.4 192.8





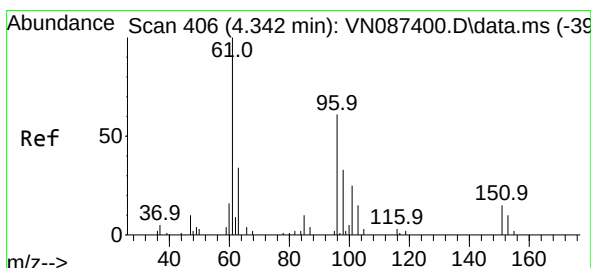
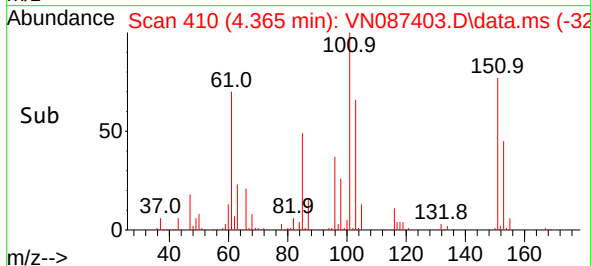
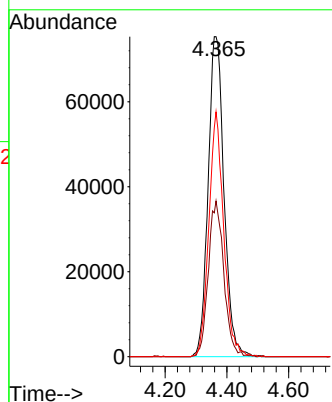
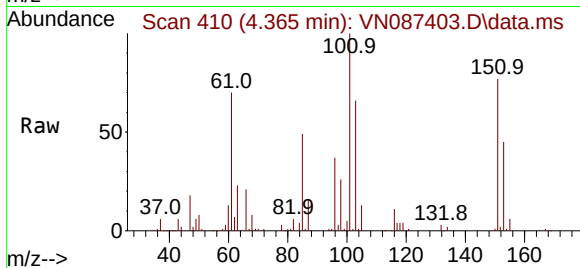
#9
1,1,2-Trichlorotrifluoroethane
Concen: 140.569 ug/l m
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 26959
Ion Ratio Lower Upper
101 100
85 0.0 0.0 94.8
151 0.0 0.0 64.8

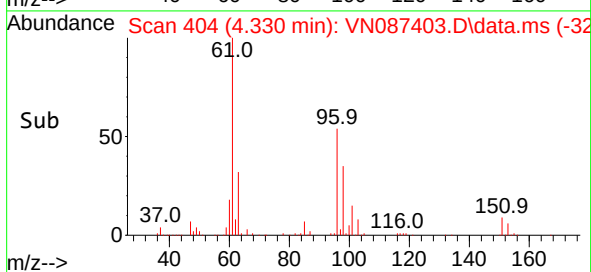
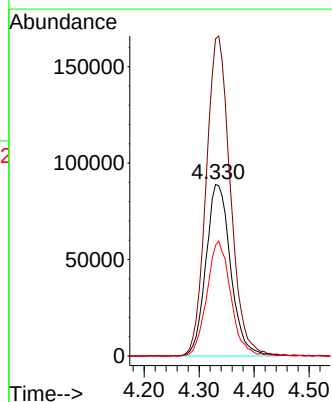
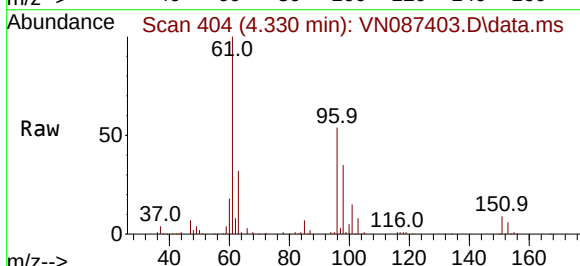
Manual Integrations
APPROVED

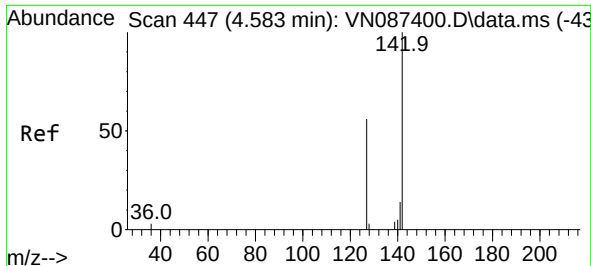
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#10
1,1-Dichloroethene
Concen: 139.665 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

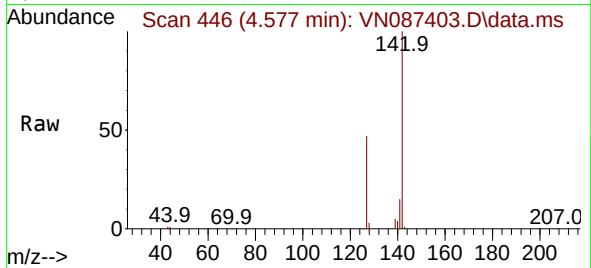
Tgt Ion: 96 Resp: 277618
Ion Ratio Lower Upper
96 100
61 184.6 131.8 197.8
98 64.5 43.0 64.4#





#11
Methyl Iodide
Concen: 203.929 ug/l
RT: 4.577 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

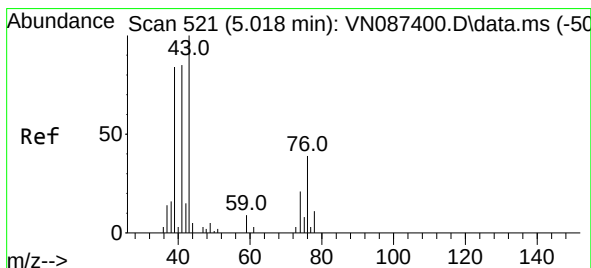
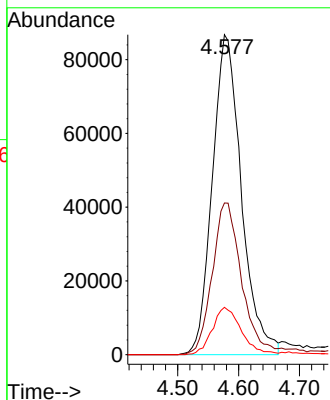
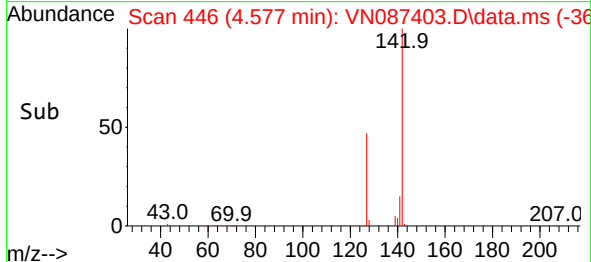
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:142 Resp: 28711
Ion Ratio Lower Upper
142 100
127 47.3 27.7 83.0
141 14.8 7.2 21.6

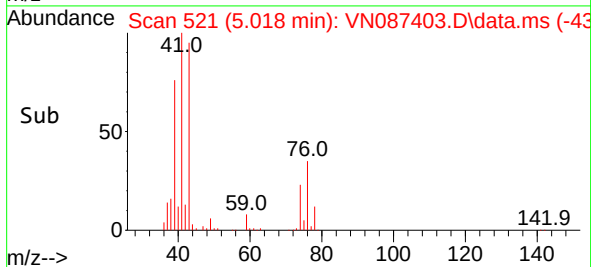
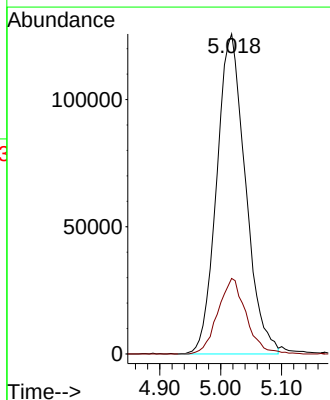
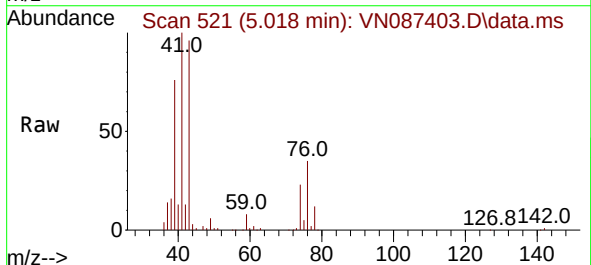
Manual Integrations
APPROVED

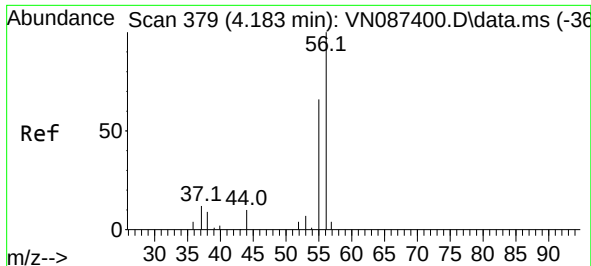
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#12
Methyl Acetate
Concen: 159.929 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

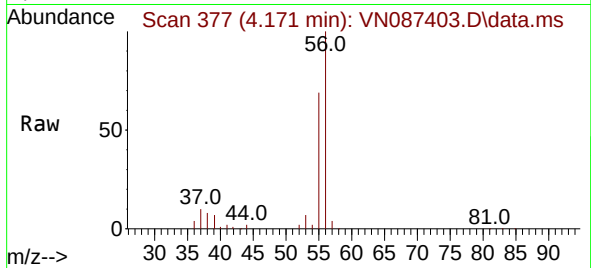
Tgt Ion: 43 Resp: 412430
Ion Ratio Lower Upper
43 100
74 23.4 16.9 25.3





#13
Acrolein
Concen: 835.080 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

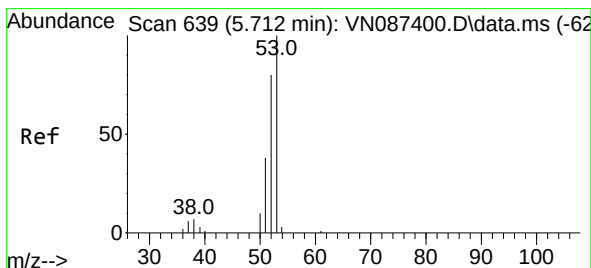
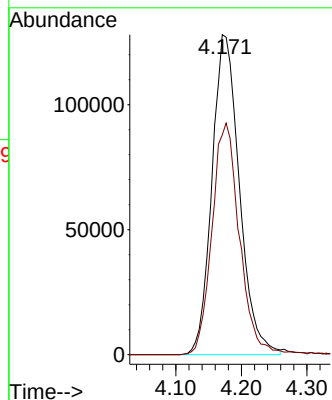
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 56 Resp: 371839
Ion Ratio Lower Upper
56 100
55 71.9 56.8 85.2

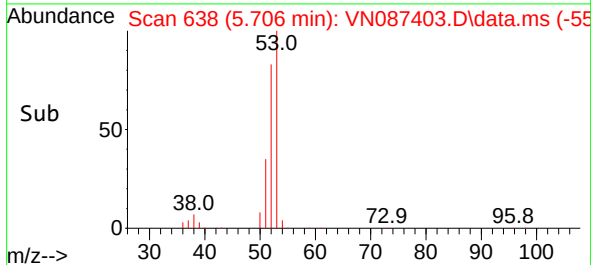
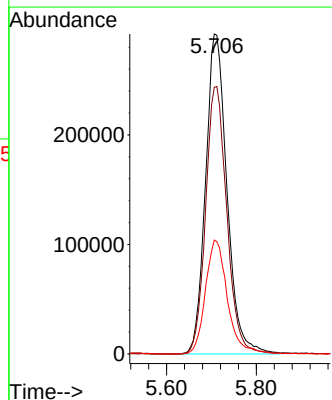
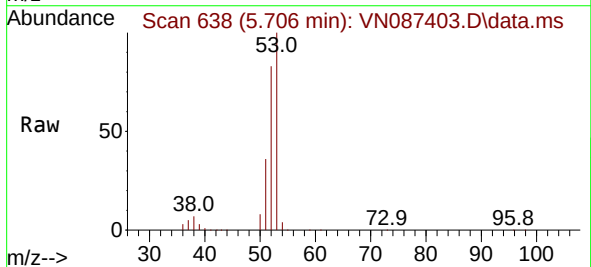
Manual Integrations
APPROVED

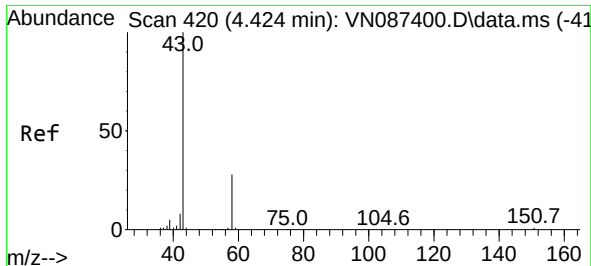
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#14
Acrylonitrile
Concen: 827.360 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

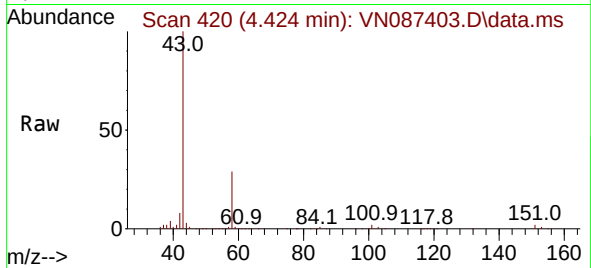
Tgt Ion: 53 Resp: 970045
Ion Ratio Lower Upper
53 100
52 82.4 41.5 124.6
51 36.5 19.4 58.4





#15
Acetone
Concen: 685.113 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

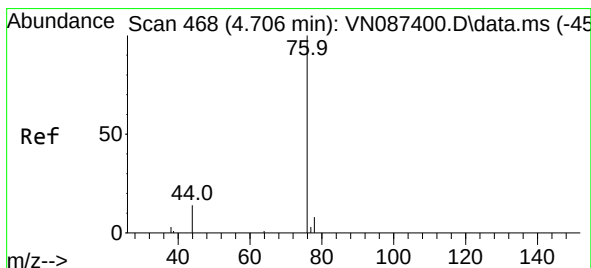
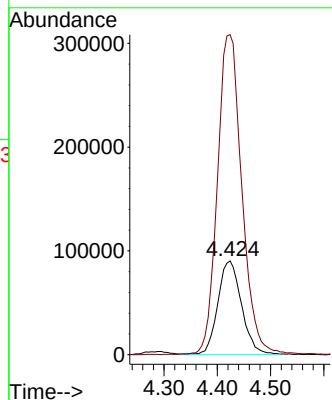
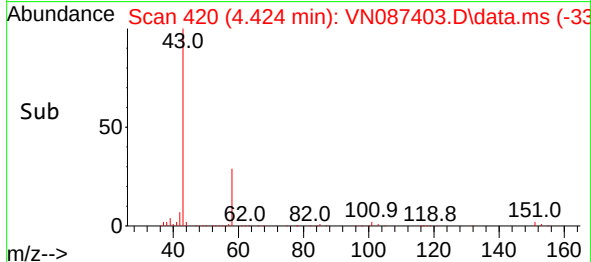
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



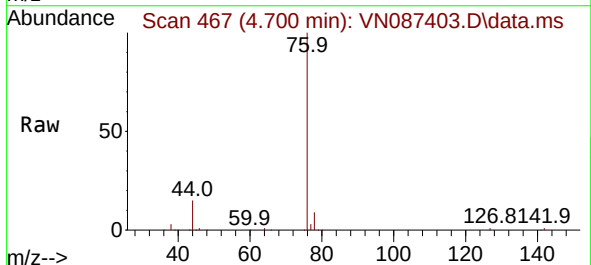
Tgt Ion: 58 Resp: 280358
Ion Ratio Lower Upper
58 100
43 342.5 283.4 425.0

Manual Integrations
APPROVED

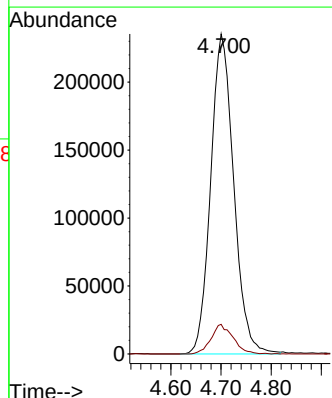
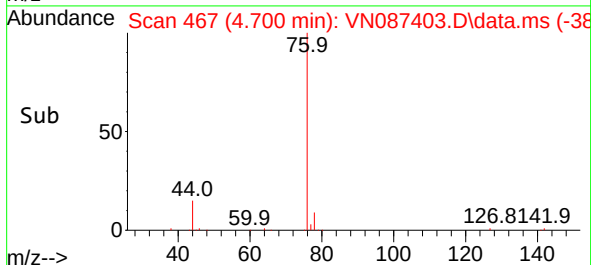
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

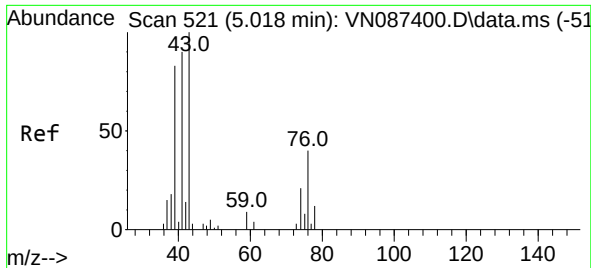


#16
Carbon Disulfide
Concen: 147.084 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



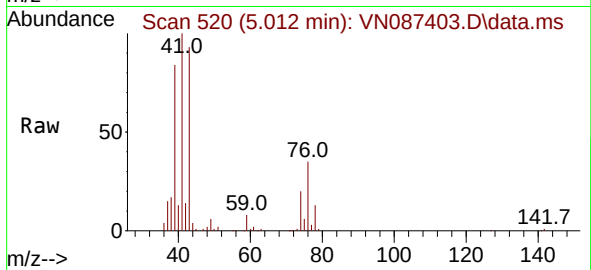
Tgt Ion: 76 Resp: 751598
Ion Ratio Lower Upper
76 100
78 9.2 6.6 10.0





#17
 Allyl chloride
 Concen: 164.628 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32

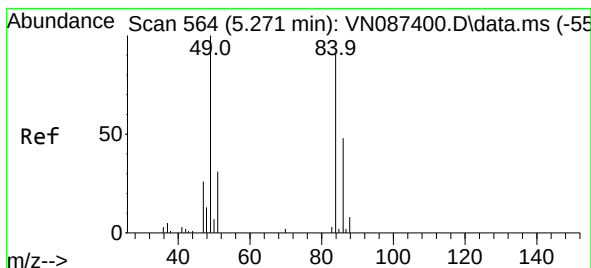
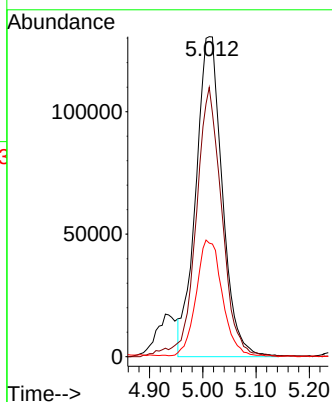
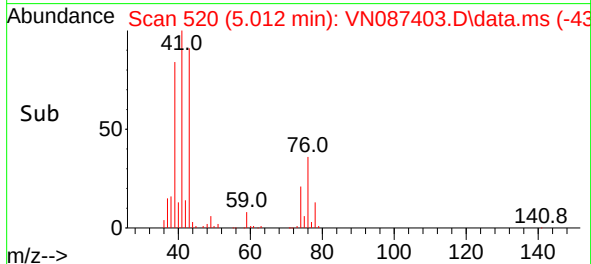
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion: 41 Resp: 450948
 Ion Ratio Lower Upper
 41 100
 39 83.9 42.9 128.7
 76 35.6 19.8 59.4

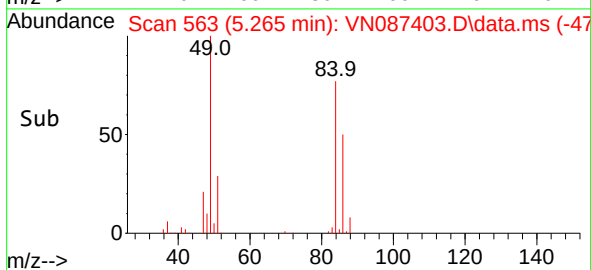
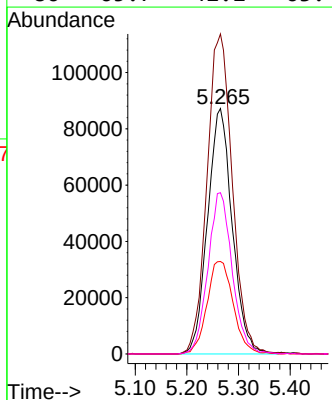
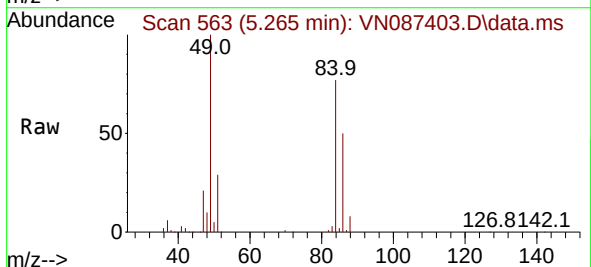
Manual Integrations
 APPROVED

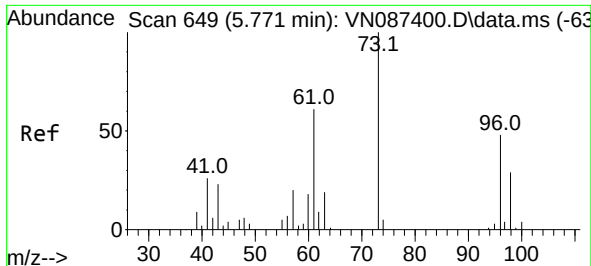
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#18
 Methylene Chloride
 Concen: 143.267 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32

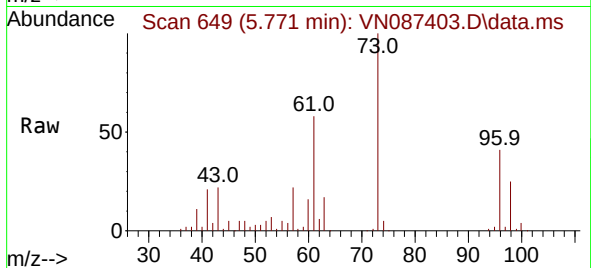
Tgt Ion: 84 Resp: 289163
 Ion Ratio Lower Upper
 84 100
 49 130.4 88.4 132.6
 51 37.7 27.3 40.9
 86 65.7 42.2 63.4#





#19
trans-1,2-Dichloroethene
Concen: 153.075 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

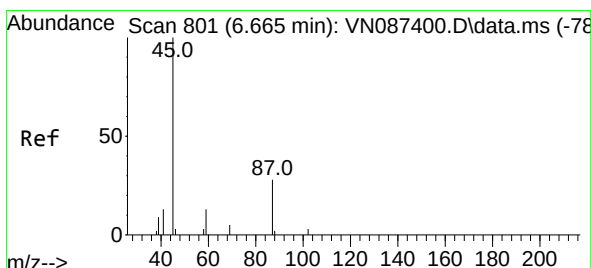
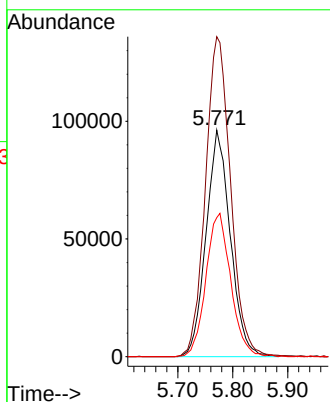
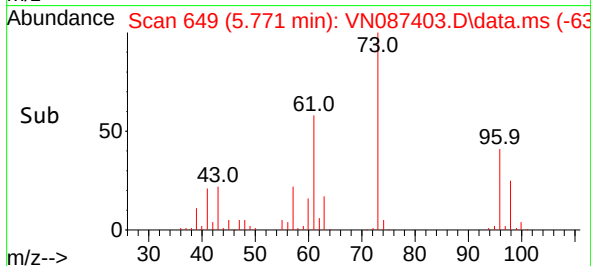
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



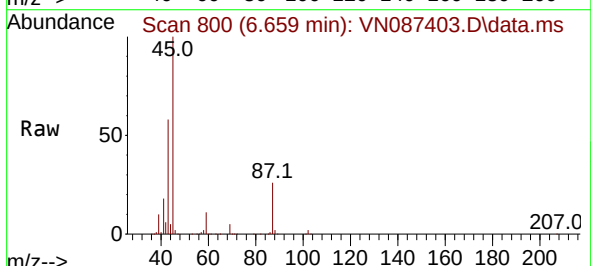
Tgt Ion: 96 Resp: 295483
Ion Ratio Lower Upper
96 100
61 141.0 101.7 152.5
98 61.3 48.2 72.4

Manual Integrations
APPROVED

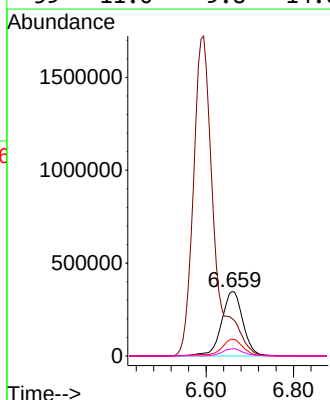
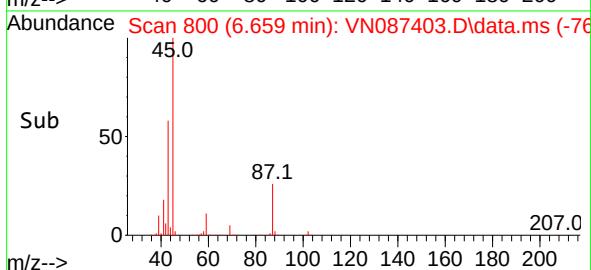
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

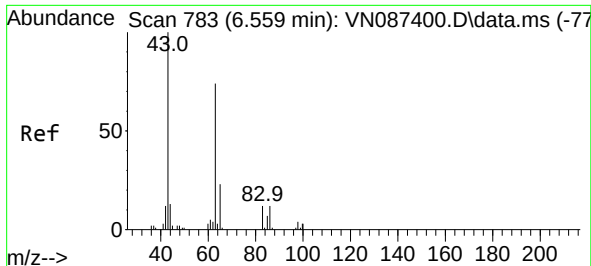


#20
Diisopropyl ether
Concen: 171.333 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



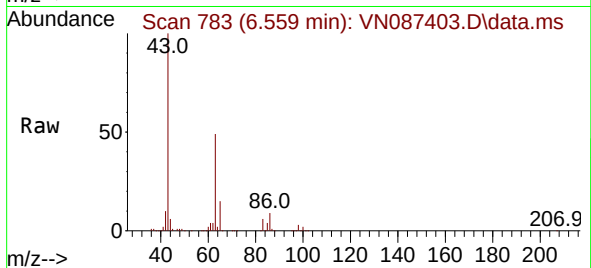
Tgt Ion: 45 Resp: 1174437
Ion Ratio Lower Upper
45 100
43 57.6 46.0 69.0
87 26.2 23.4 35.2
59 11.0 9.8 14.6





#21
1,1-Dichloroethane
Concen: 153.028 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

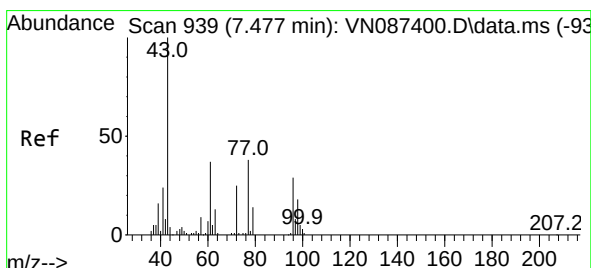
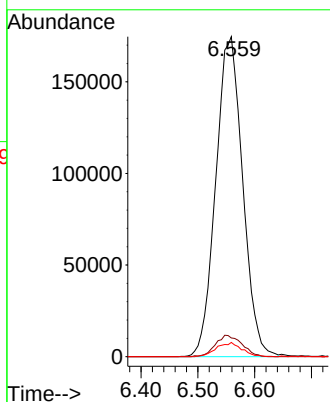
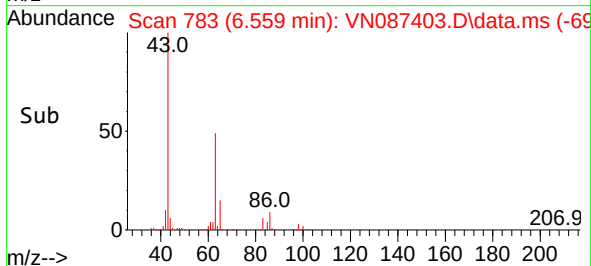
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 63 Resp: 574810
Ion Ratio Lower Upper
63 100
98 5.9 2.9 8.6
100 4.5 3.6 10.8

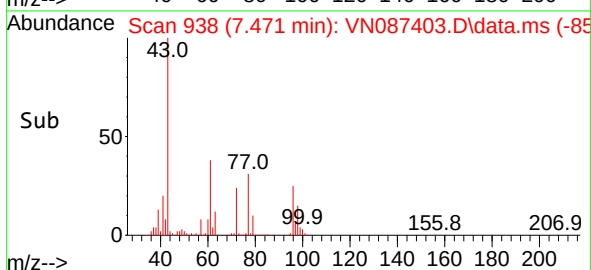
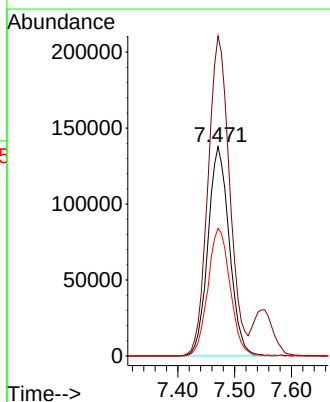
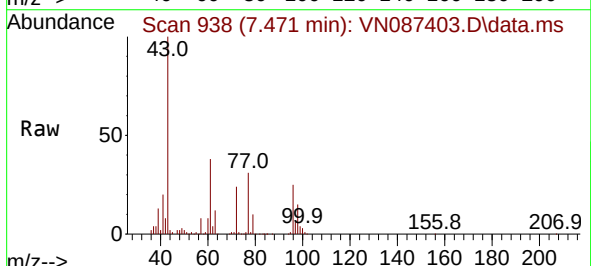
Manual Integrations
APPROVED

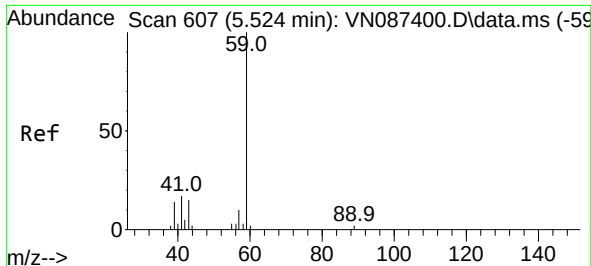
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#22
cis-1,2-Dichloroethene
Concen: 156.558 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 96 Resp: 359946
Ion Ratio Lower Upper
96 100
61 155.1 120.4 180.6
98 63.0 54.0 81.0





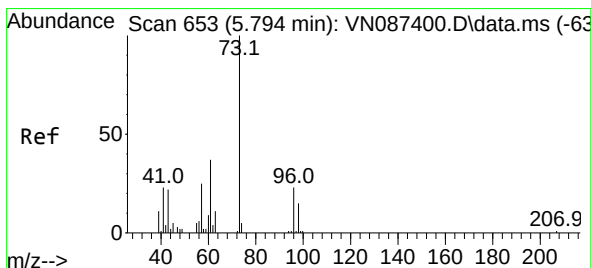
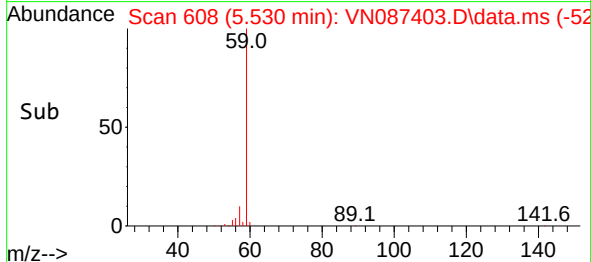
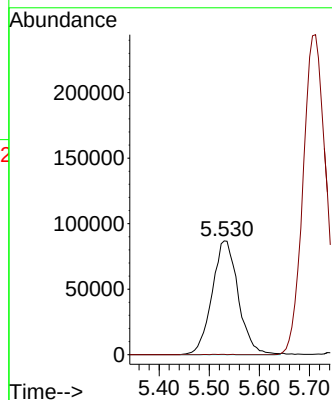
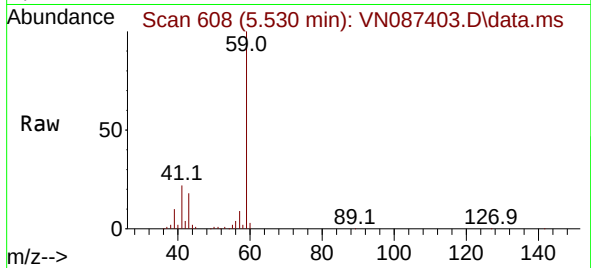
#23
tert-Butyl Alcohol
Concen: 790.572 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 31566
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

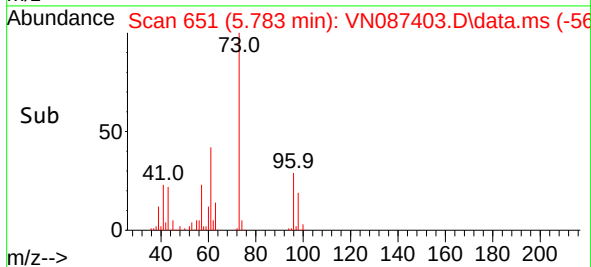
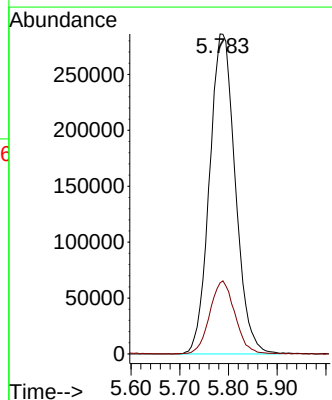
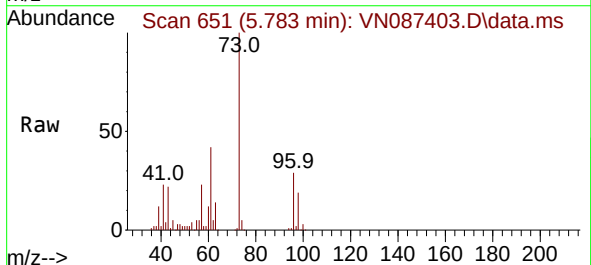
Manual Integrations
APPROVED

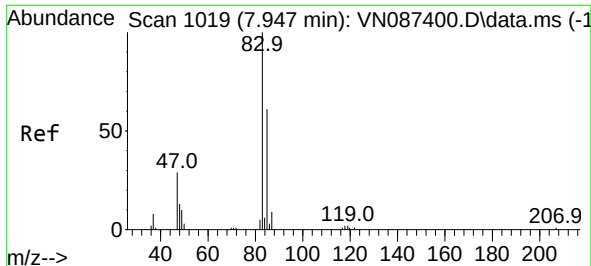
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#24
Methyl tert-Butyl Ether
Concen: 166.243 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

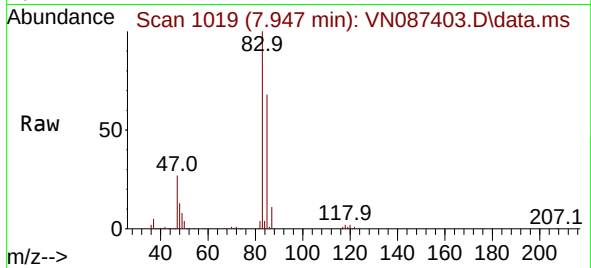
Tgt Ion: 73 Resp: 1053042
Ion Ratio Lower Upper
73 100
43 22.3 17.7 26.5





#25
Chloroform
Concen: 149.488 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

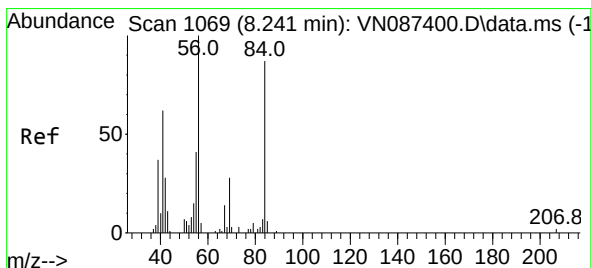
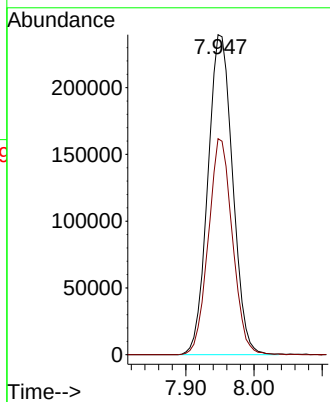
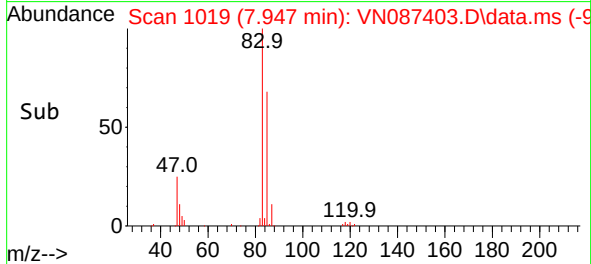
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 60697
Ion Ratio Lower Upper
83 100
85 67.5 48.6 73.0

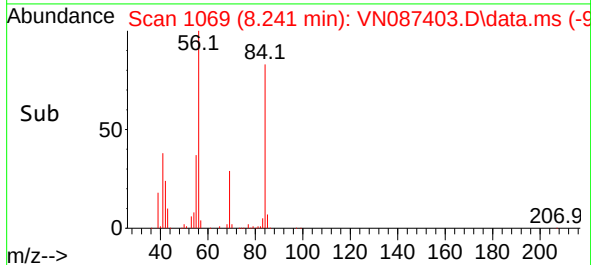
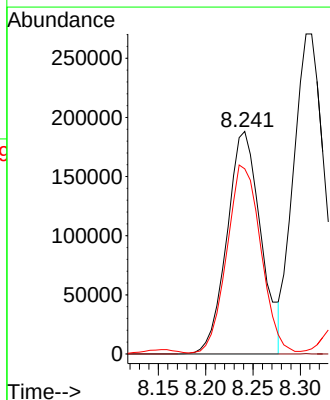
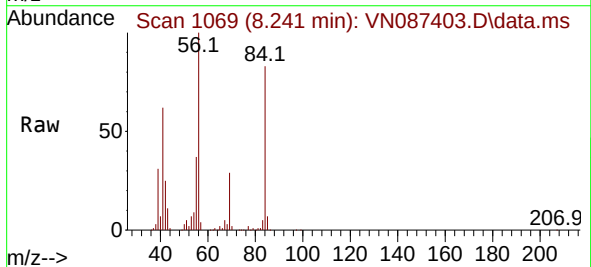
Manual Integrations
APPROVED

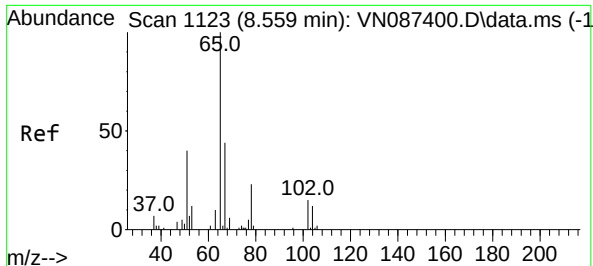
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#26
Cyclohexane
Concen: 168.171 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 56 Resp: 468895
Ion Ratio Lower Upper
56 100
89 0.0 1.5 2.3#
84 85.4 71.2 106.8





#27

1,2-Dichloroethane-d4

Concen: 29.592 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 8034

Ion Ratio Lower Upper

65 100

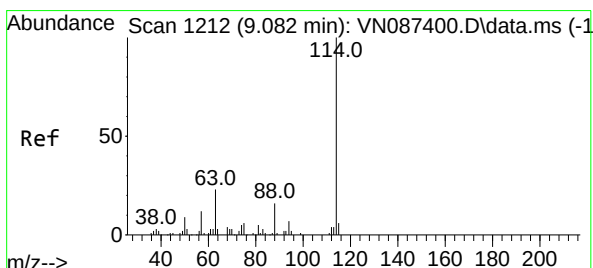
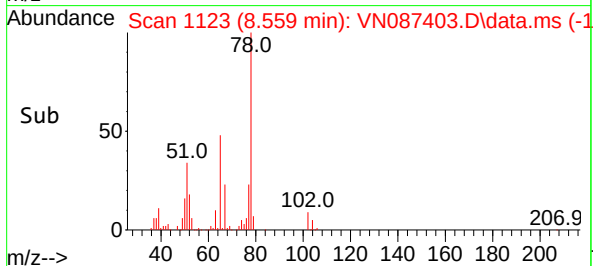
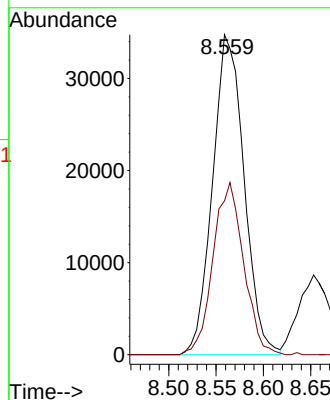
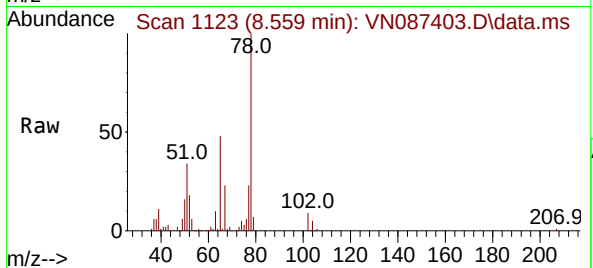
67 52.3 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

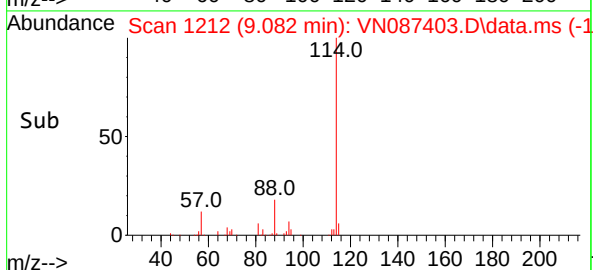
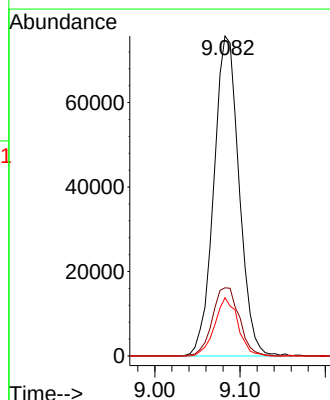
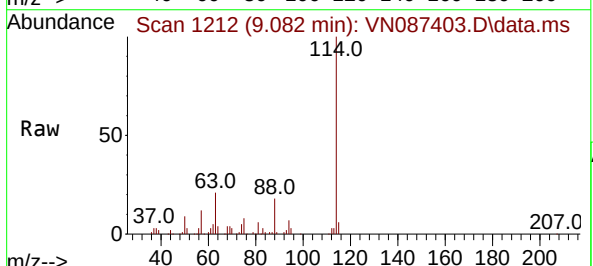
Tgt Ion:114 Resp: 156029

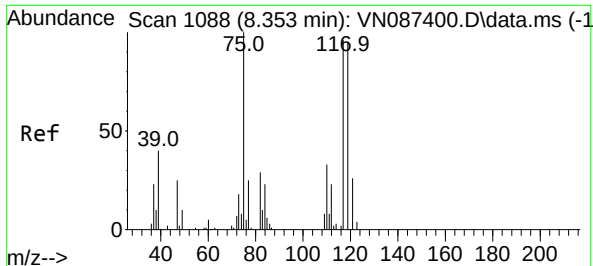
Ion Ratio Lower Upper

114 100

63 22.7 16.8 25.2

88 16.7 12.5 18.7





#29

1,1-Dichloropropene

Concen: 156.333 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 75 Resp: 412418

Ion Ratio Lower Upper

75 100

110 32.5 0.0 66.4

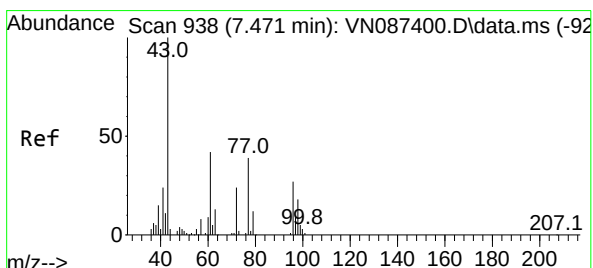
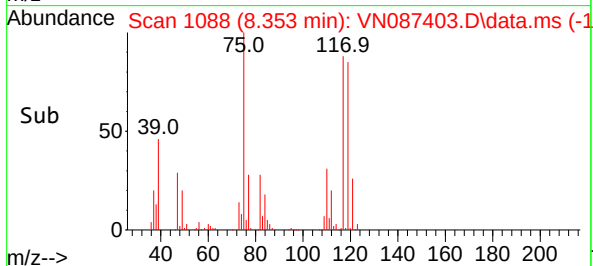
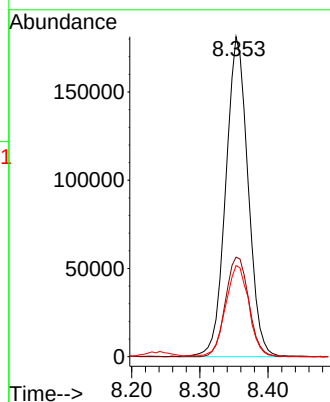
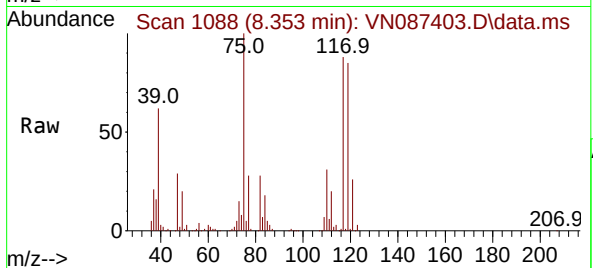
77 29.9 0.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

2-Butanone

Concen: 812.274 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

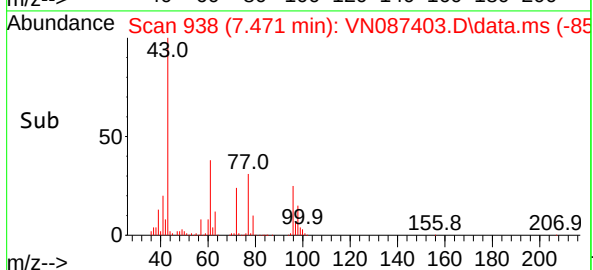
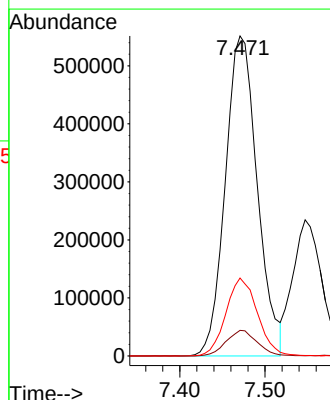
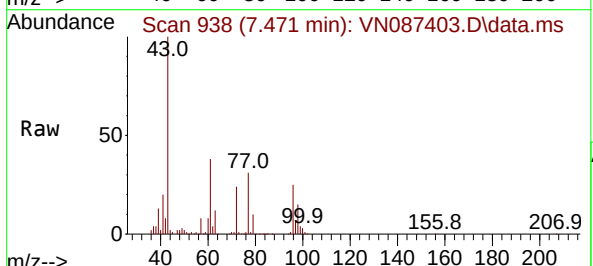
Tgt Ion: 43 Resp: 1441630

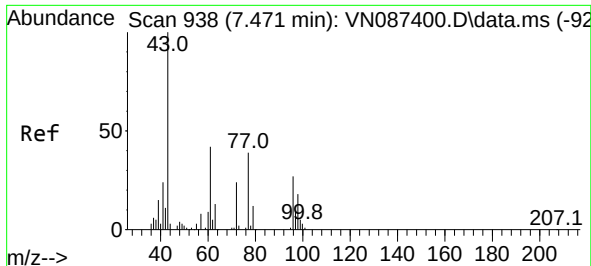
Ion Ratio Lower Upper

43 100

57 7.8 6.6 9.8

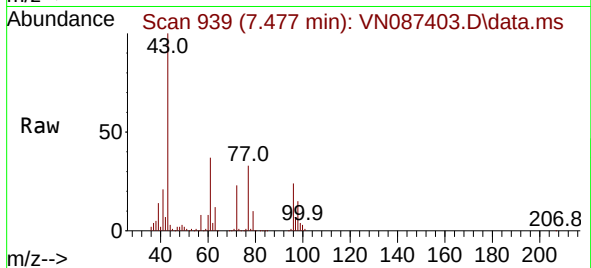
72 24.1 20.6 30.8





#31
2,2-Dichloropropane
Concen: 147.594 ug/l
RT: 7.477 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

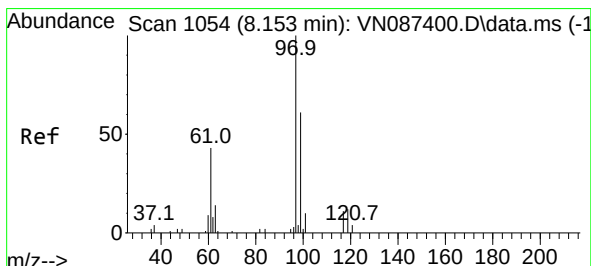
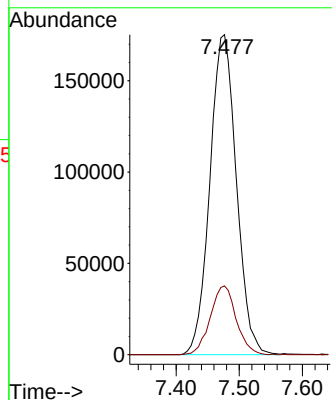
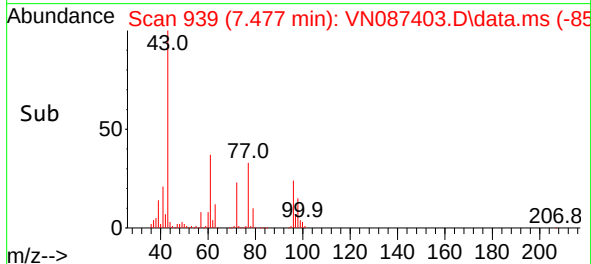
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 77 Resp: 51135
Ion Ratio Lower Upper
77 100
97 21.0 17.1 25.7

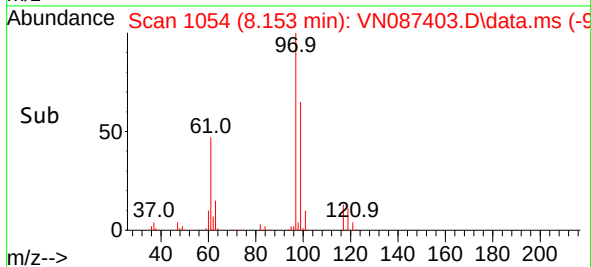
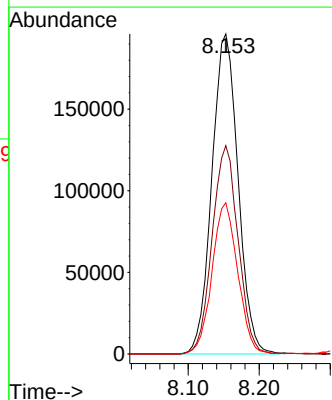
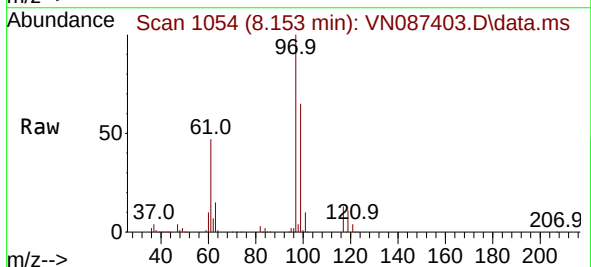
Manual Integrations
APPROVED

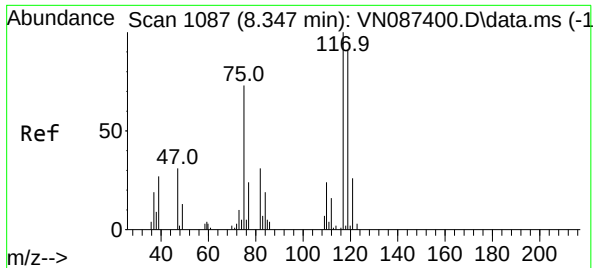
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#32
1,1,1-Trichloroethane
Concen: 146.301 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

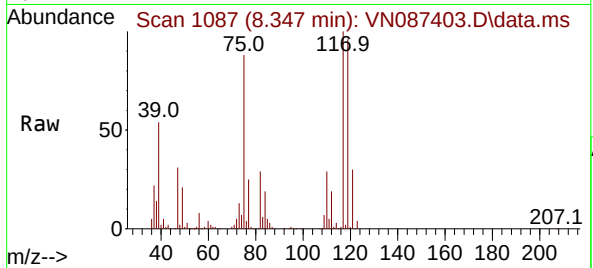
Tgt Ion: 97 Resp: 501569
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 46.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 146.476 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

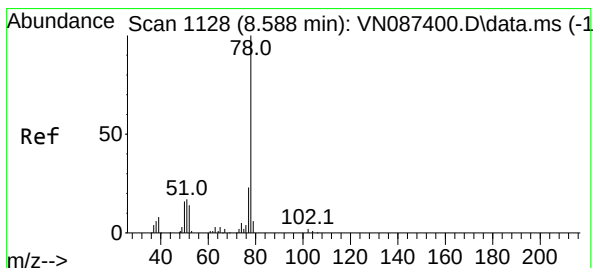
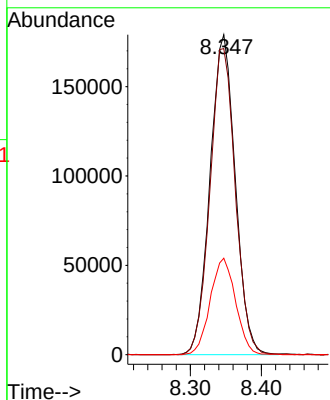
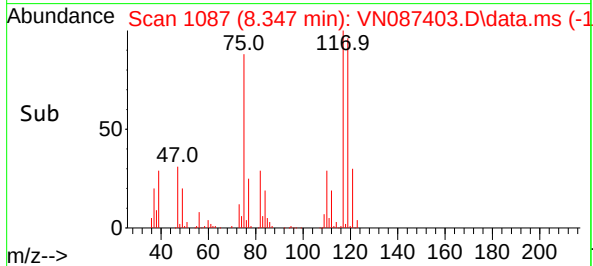
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:117 Resp: 44100
Ion Ratio Lower Upper
117 100
119 95.6 72.7 109.1
121 30.2 21.1 31.7

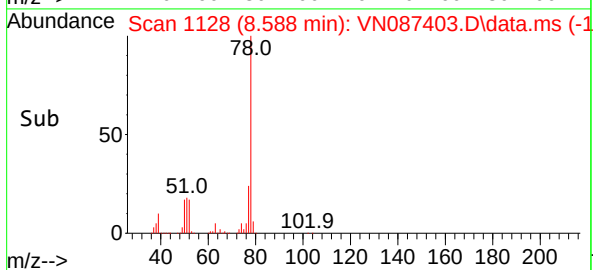
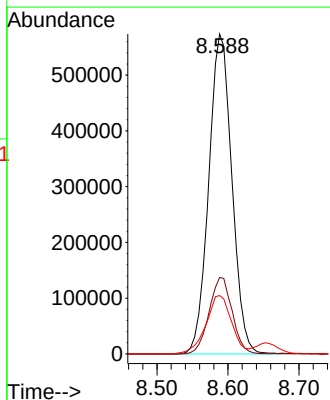
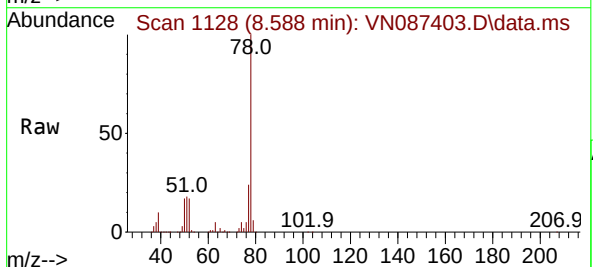
Manual Integrations
APPROVED

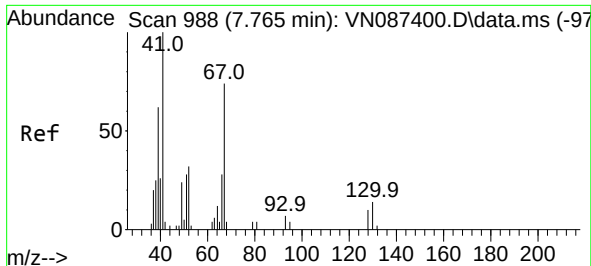
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#34
Benzene
Concen: 154.389 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 78 Resp: 1298039
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2
51 18.0 13.8 20.8





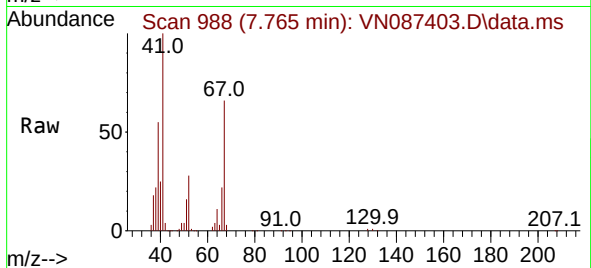
#35
Methacrylonitrile
Concen: 168.338 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150



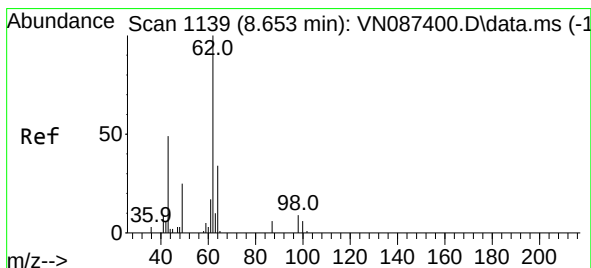
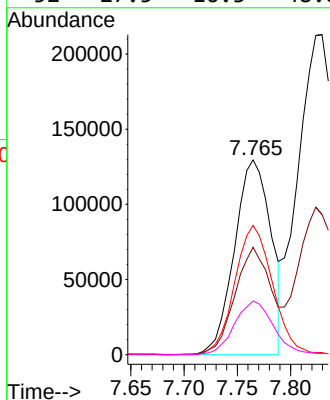
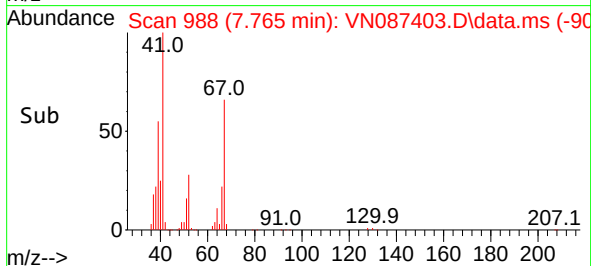
Tgt Ion: 41 Resp: 308690
Ion Ratio Lower Upper
41 100
39 55.0 31.0 93.0
67 66.4 36.8 110.3
52 27.5 16.3 48.8

Manual Integrations

APPROVED

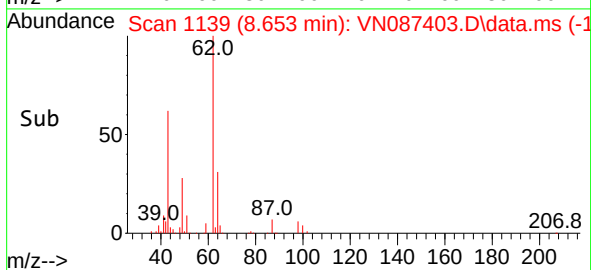
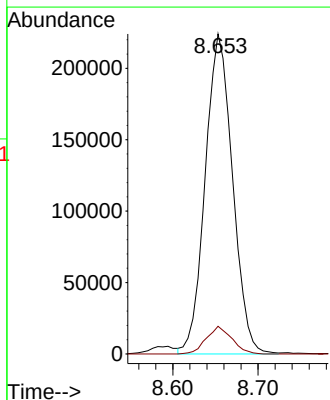
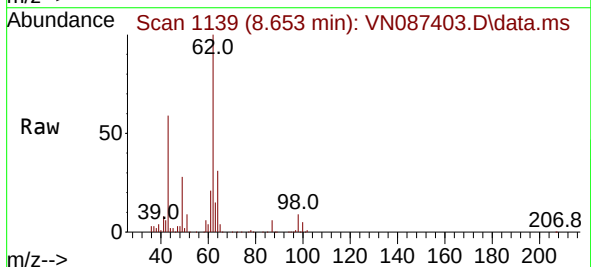
Reviewed By :John Carlone 07/24/2025

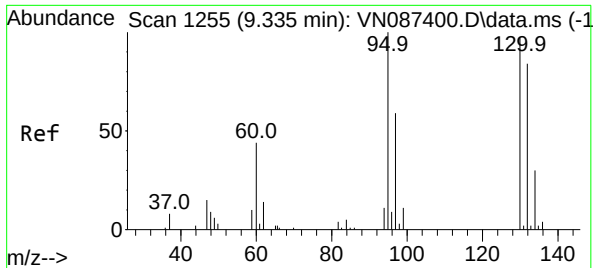
Supervised By :Mahesh Dadoda 07/24/2025



#36
1,2-Dichloroethane
Concen: 148.828 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

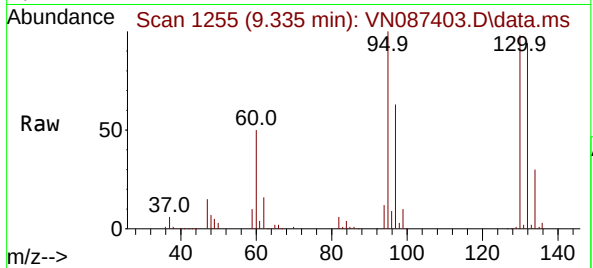
Tgt Ion: 62 Resp: 500185
Ion Ratio Lower Upper
62 100
98 8.1 6.6 9.8





#37
Trichloroethene
Concen: 141.488 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

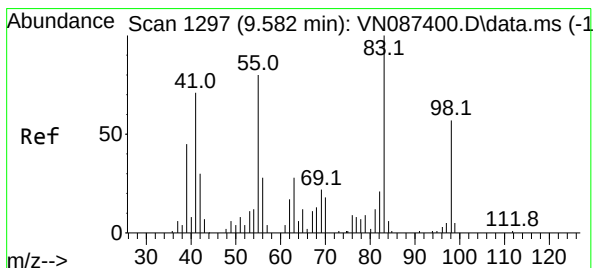
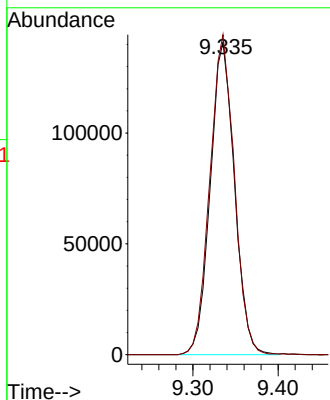
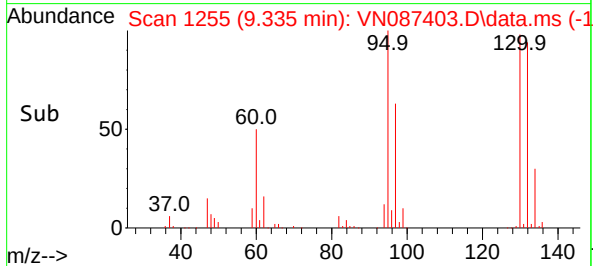
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



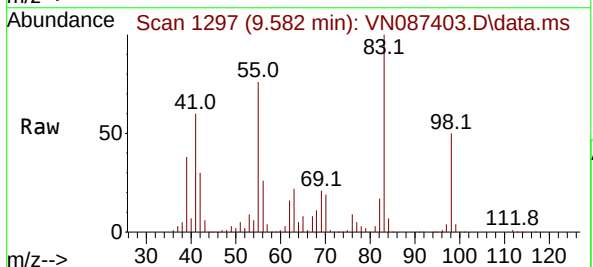
Tgt Ion:130 Resp: 27830
Ion Ratio Lower Upper
130 100
95 102.5 82.4 123.6

Manual Integrations
APPROVED

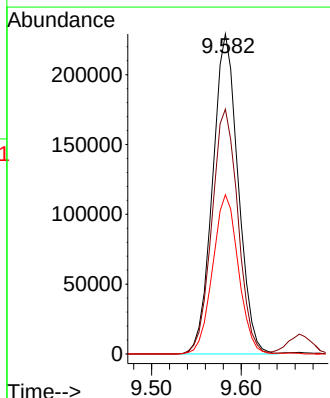
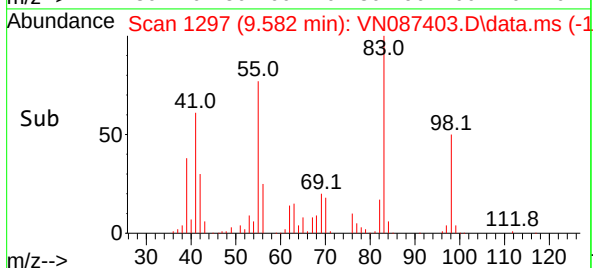
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

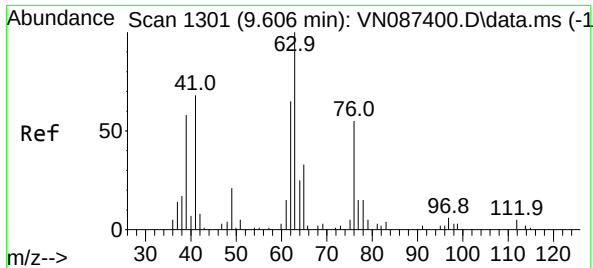


#38
Methylcyclohexane
Concen: 165.952 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



Tgt Ion: 83 Resp: 452915
Ion Ratio Lower Upper
83 100
55 78.0 40.9 122.8
98 50.1 25.6 76.6





#39

1,2-Dichloropropane

Concen: 153.723 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 324730

Ion Ratio Lower Upper

63 100

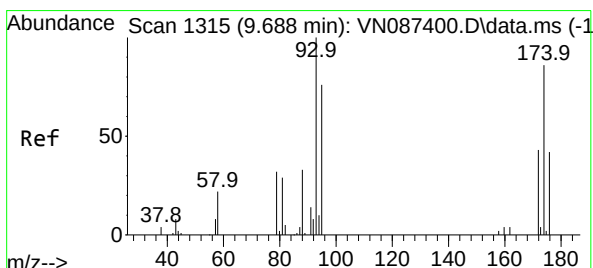
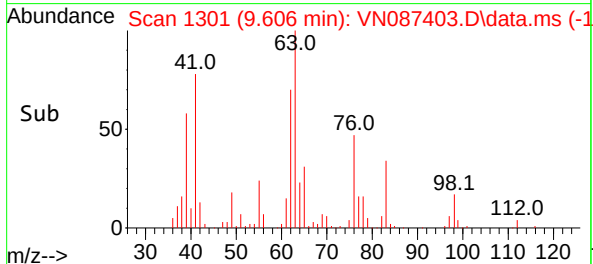
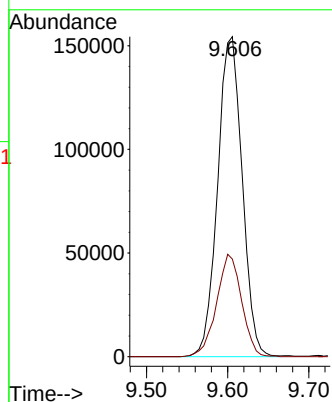
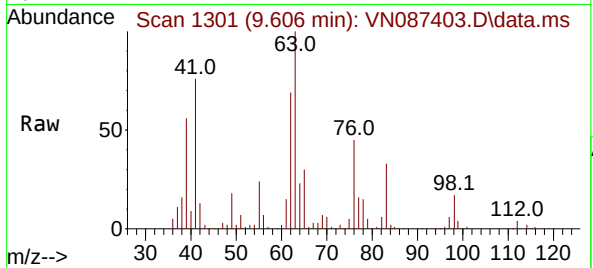
65 30.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#40

Dibromomethane

Concen: 149.589 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

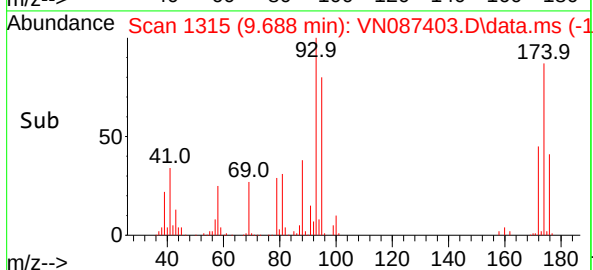
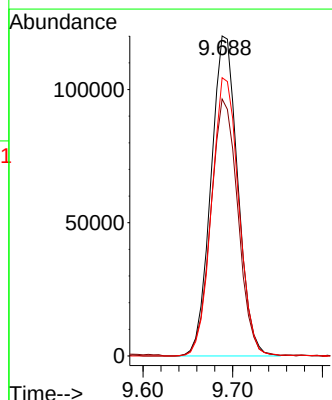
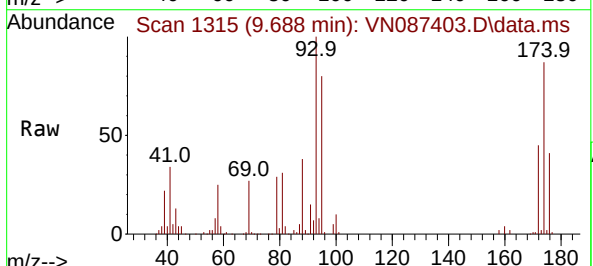
Tgt Ion: 93 Resp: 249428

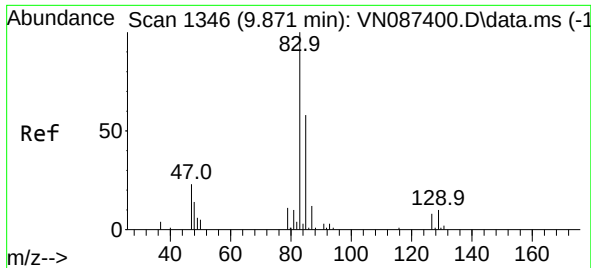
Ion Ratio Lower Upper

93 100

95 81.2 0.0 161.8

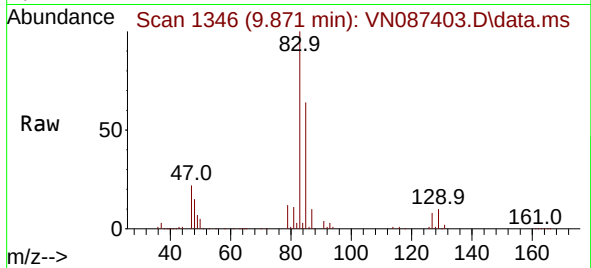
174 87.7 0.0 177.6





#41
Bromodichloromethane
Concen: 145.827 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

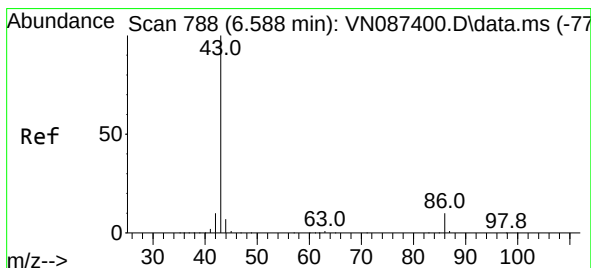
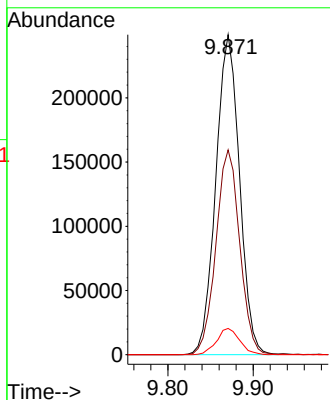
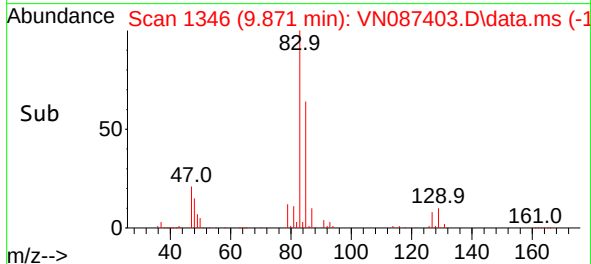
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 48146
Ion Ratio Lower Upper
83 100
85 64.0 46.2 69.2
127 8.2 6.1 9.1

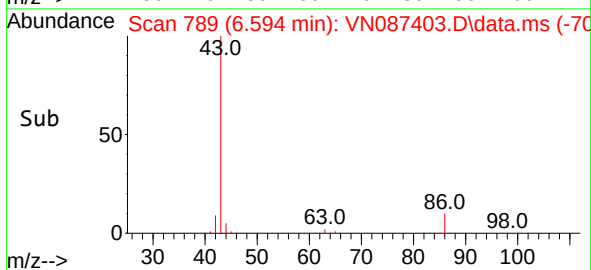
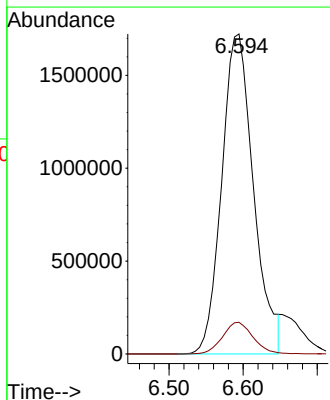
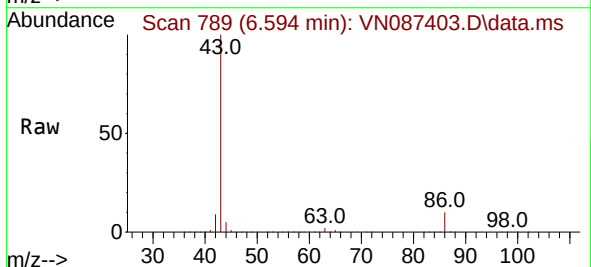
Manual Integrations
APPROVED

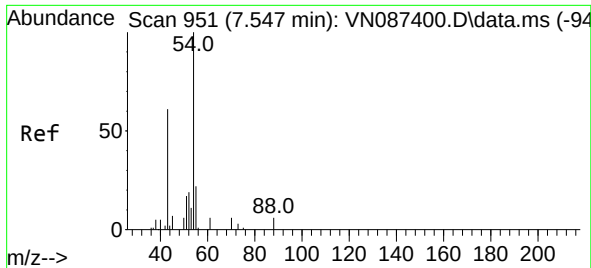
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#42
Vinyl Acetate
Concen: 845.083 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

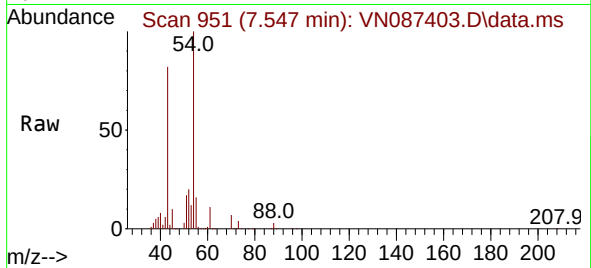
Tgt Ion: 43 Resp: 5136100
Ion Ratio Lower Upper
43 100
86 9.5 8.1 12.1





#43
Ethyl Acetate
Concen: 156.702 ug/l m
RT: 7.547 min Scan# 951
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

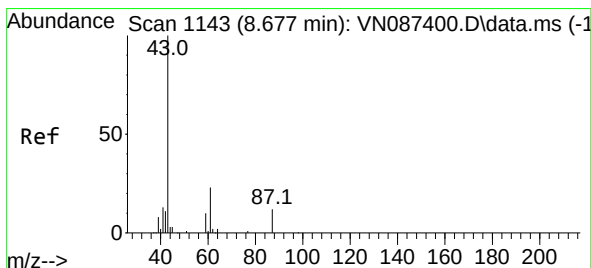
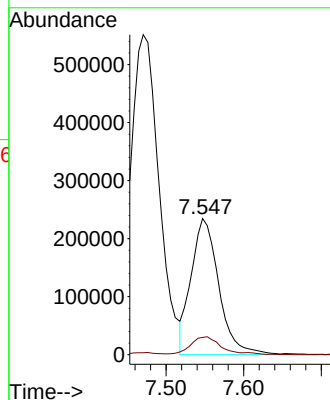
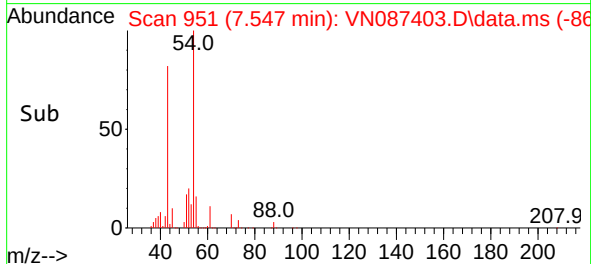
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 581118
Ion Ratio Lower Upper
43 100
45 2.1 5.6 8.4

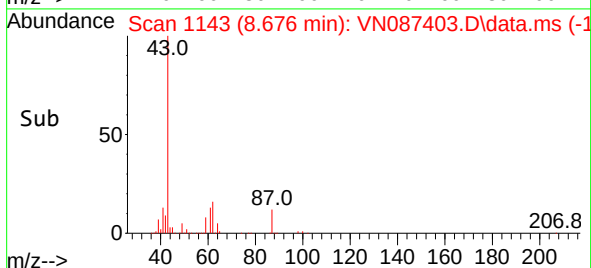
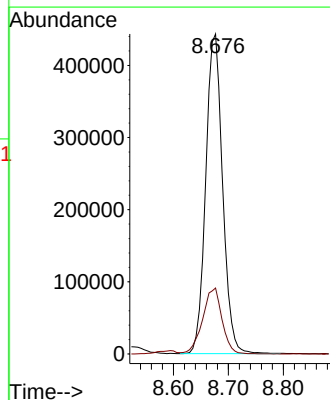
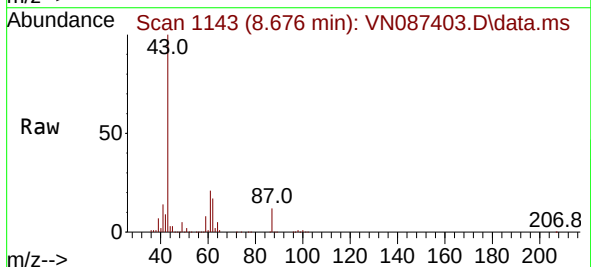
Manual Integrations
APPROVED

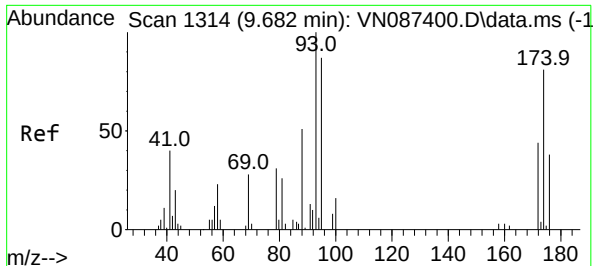
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#44
Isopropyl Acetate
Concen: 167.374 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

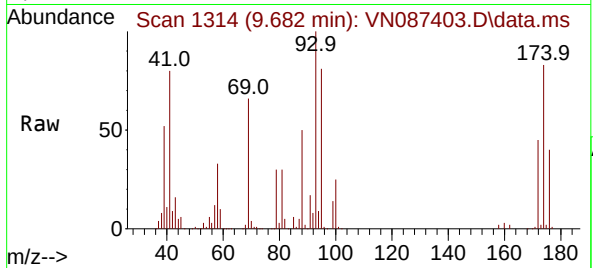
Tgt Ion: 43 Resp: 943779
Ion Ratio Lower Upper
43 100
61 23.8 20.1 30.1





#45
1,4-Dioxane
Concen: 3303.280 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

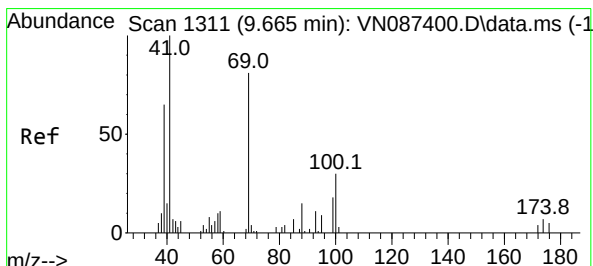
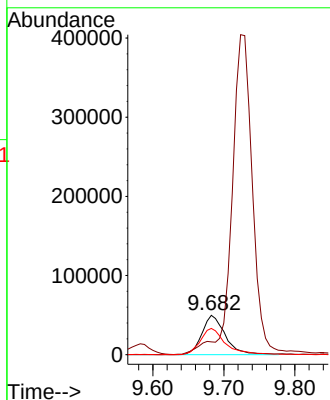
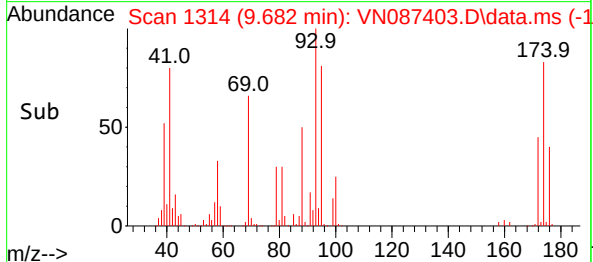
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



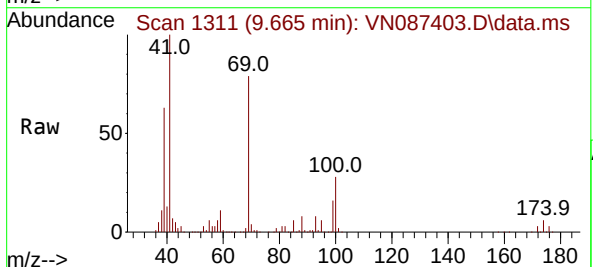
Tgt Ion: 88 Resp: 11395
Ion Ratio Lower Upper
88 100
43 27.0 29.6 44.4
58 71.5 23.5 35.3

Manual Integrations
APPROVED

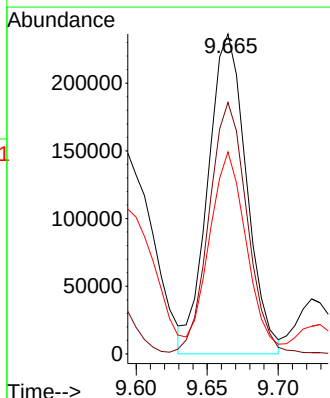
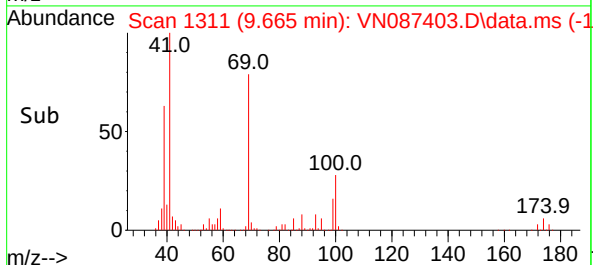
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

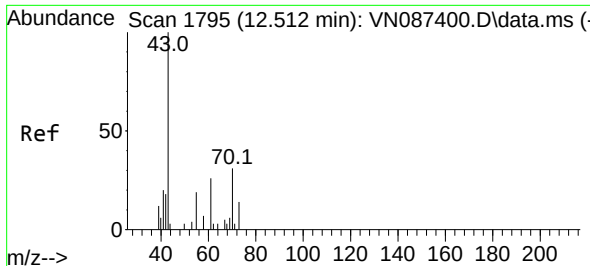


#46
Methyl methacrylate
Concen: 171.879 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



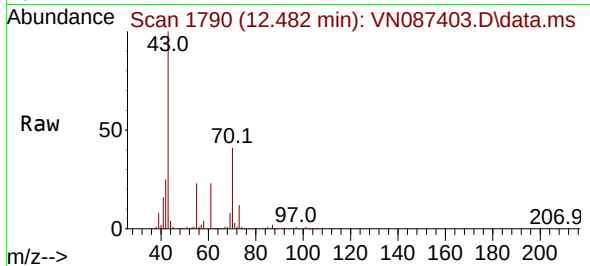
Tgt Ion: 41 Resp: 445064
Ion Ratio Lower Upper
41 100
69 80.7 39.5 118.5
39 62.9 31.6 94.7





#47
n-amy1 Acetate
Concen: 236.640 ug/l
RT: 12.482 min Scan# 1795
Delta R.T. -0.030 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

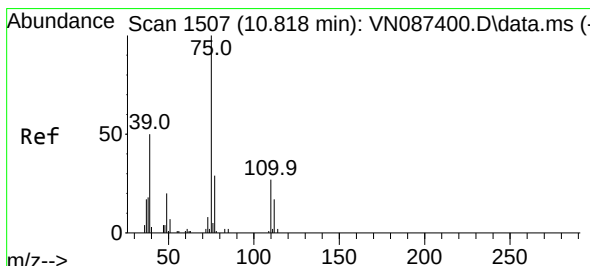
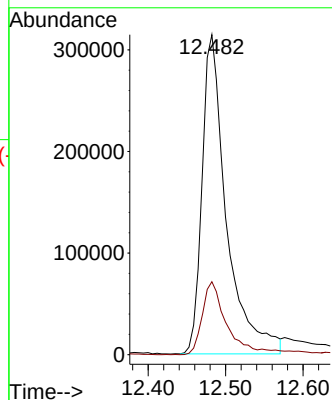
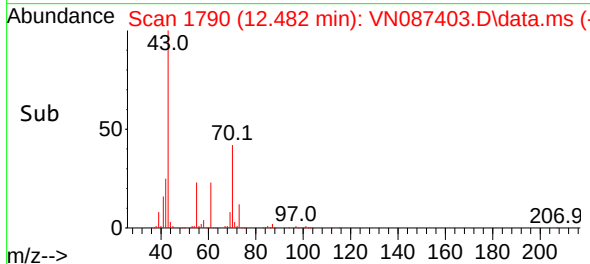
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 688872
Ion Ratio Lower Upper
43 100
55 21.8 0.6 0.8

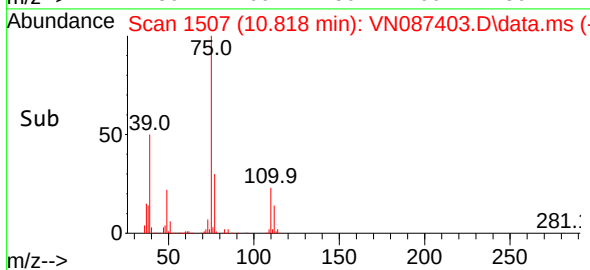
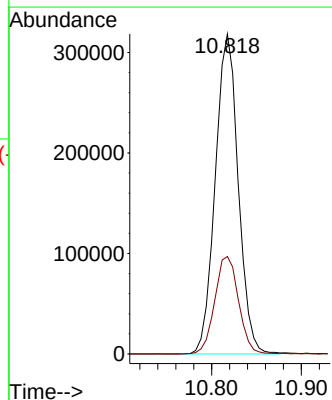
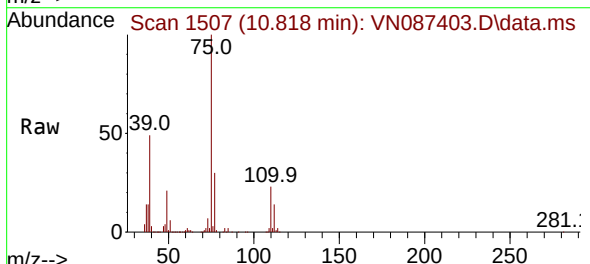
Manual Integrations
APPROVED

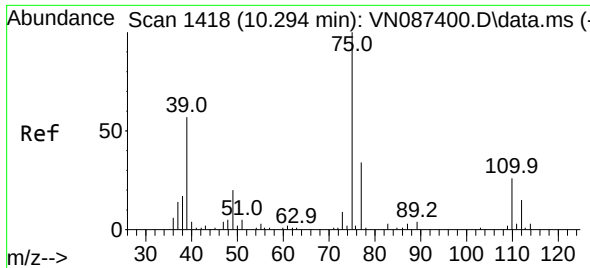
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
t-1,3-Dichloropropene
Concen: 162.670 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

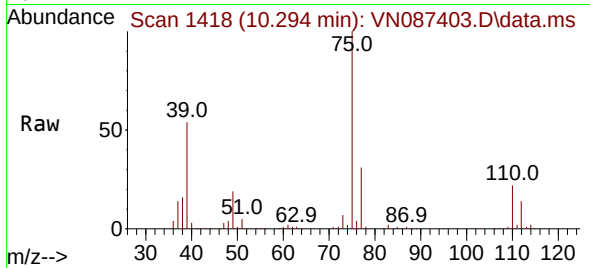
Tgt Ion: 75 Resp: 565440
Ion Ratio Lower Upper
75 100
77 30.4 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 159.581 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32

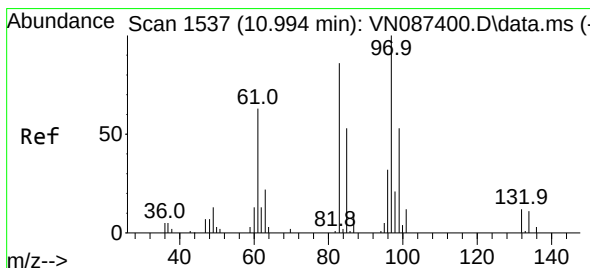
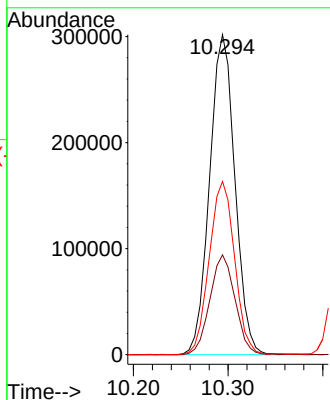
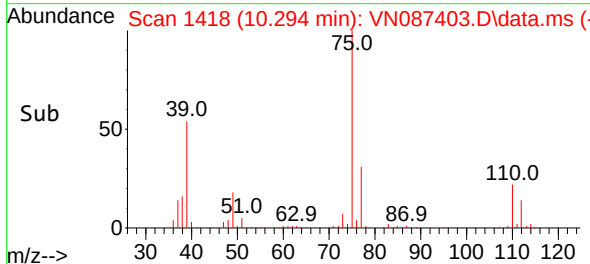
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion: 75 Resp: 560783
 Ion Ratio Lower Upper
 75 100
 77 31.2 27.4 41.0
 39 54.1 46.3 69.5

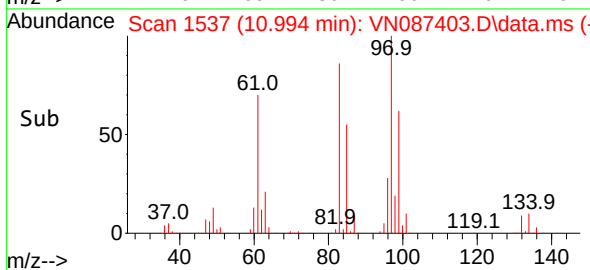
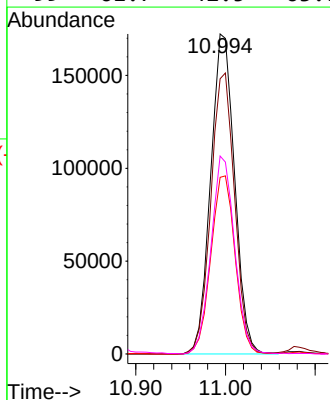
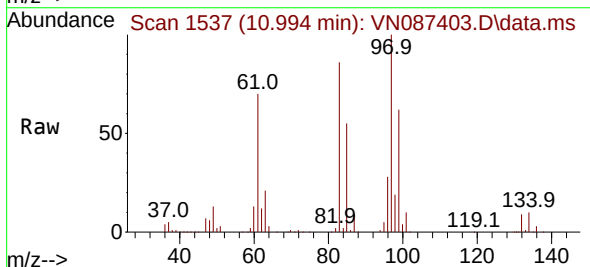
Manual Integrations
 APPROVED

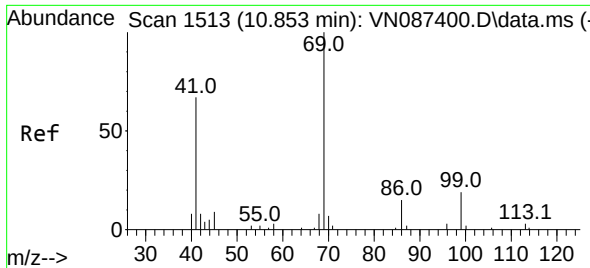
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#50
 1,1,2-Trichloroethane
 Concen: 149.648 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32

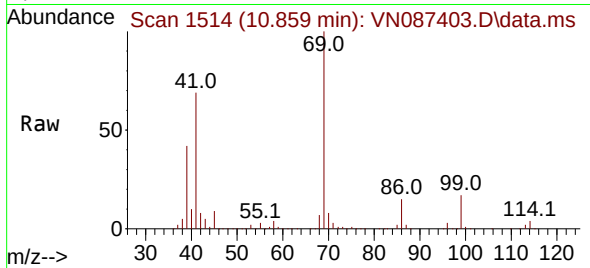
Tgt Ion: 97 Resp: 319867
 Ion Ratio Lower Upper
 97 100
 83 86.0 68.9 103.3
 85 55.2 42.2 63.2
 99 61.7 42.5 63.7





#51
Ethyl methacrylate
Concen: 177.567 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

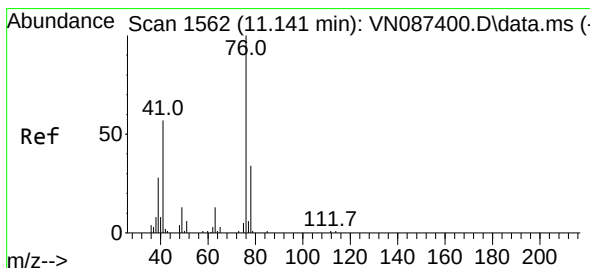
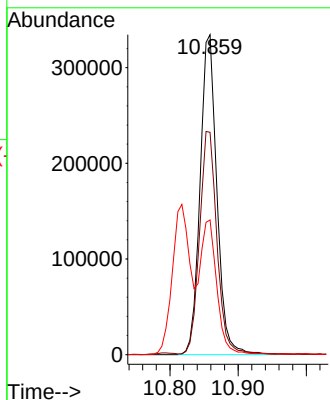
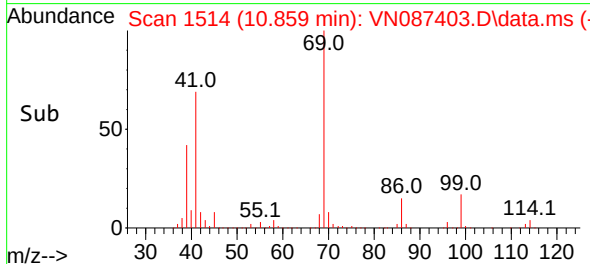
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 69 Resp: 57438
Ion Ratio Lower Upper
69 100
41 69.3 33.7 101.1
39 41.8 21.6 65.0

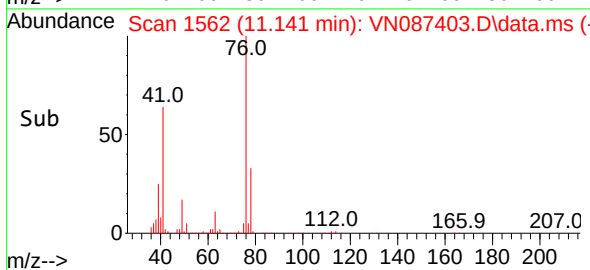
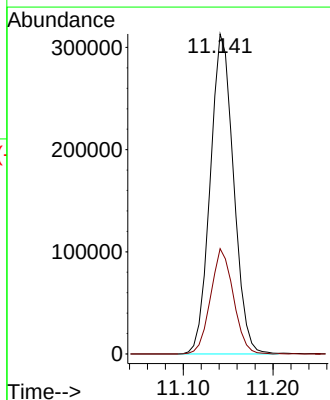
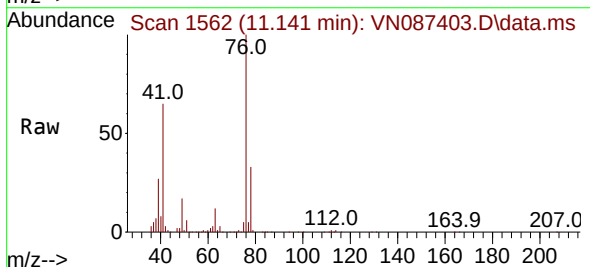
Manual Integrations
APPROVED

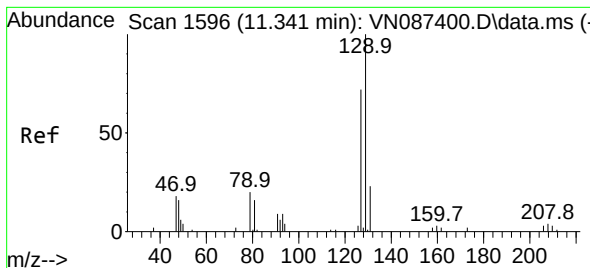
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#52
1,3-Dichloropropane
Concen: 156.341 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

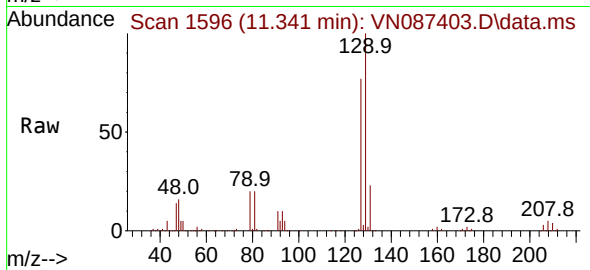
Tgt Ion: 76 Resp: 566671
Ion Ratio Lower Upper
76 100
78 32.1 0.0 67.4





#53
Dibromochloromethane
Concen: 156.391 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

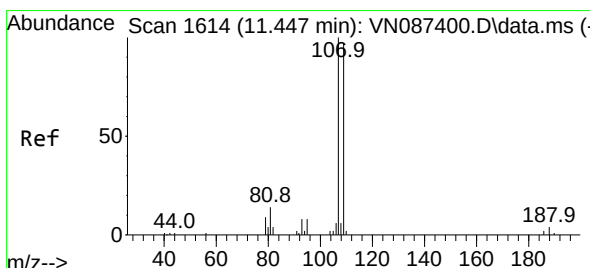
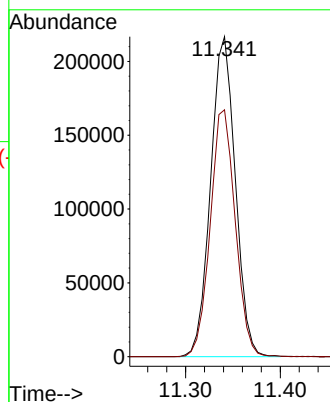
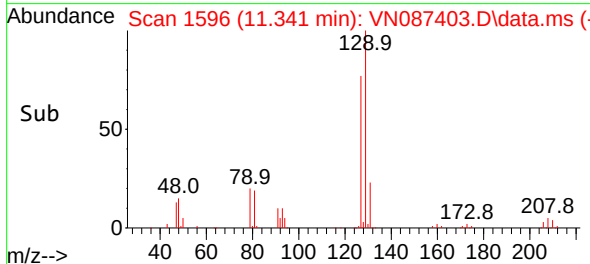
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



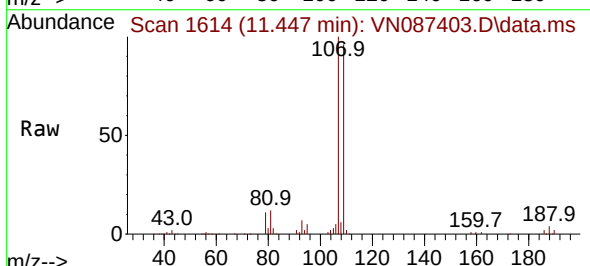
Tgt Ion:129 Resp: 392708
Ion Ratio Lower Upper
129 100
127 78.0 38.7 116.1

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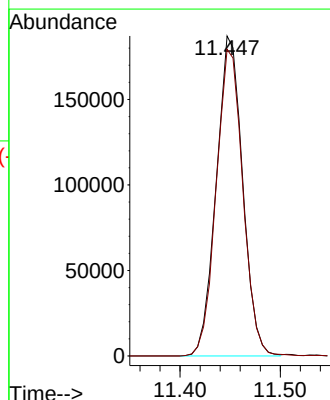
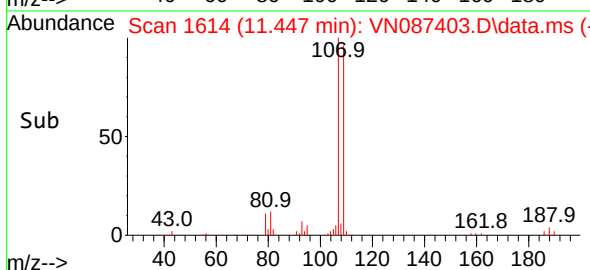
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

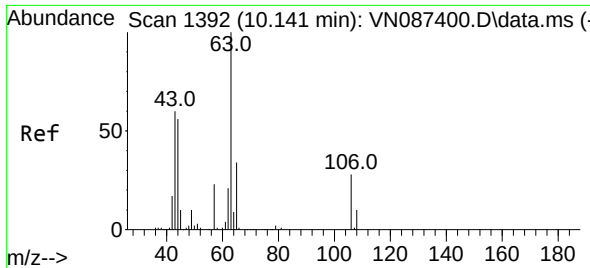


#54
1,2-Dibromoethane
Concen: 152.464 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



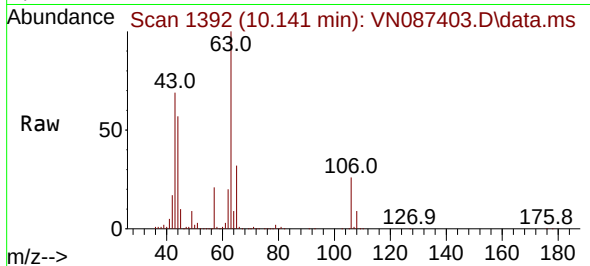
Tgt Ion:107 Resp: 341133
Ion Ratio Lower Upper
107 100
109 96.9 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 837.808 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

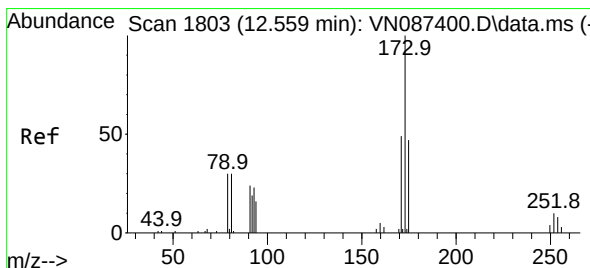
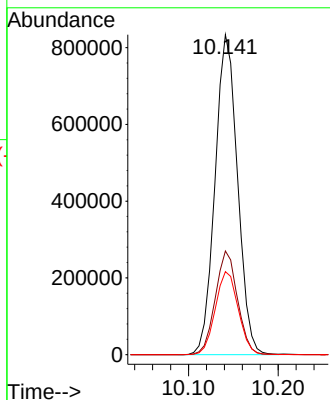
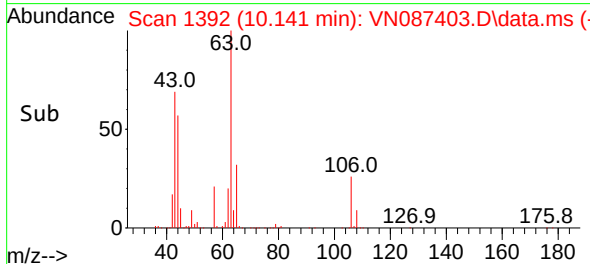
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 63 Resp: 145236
Ion Ratio Lower Upper
63 100
65 31.9 25.8 38.8
106 26.5 23.0 34.4

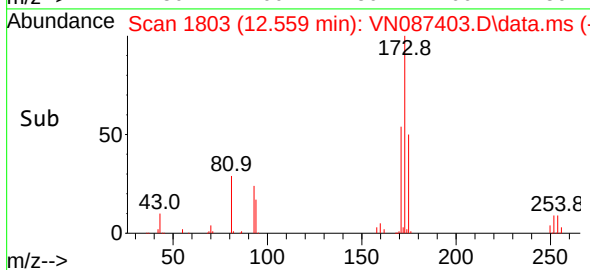
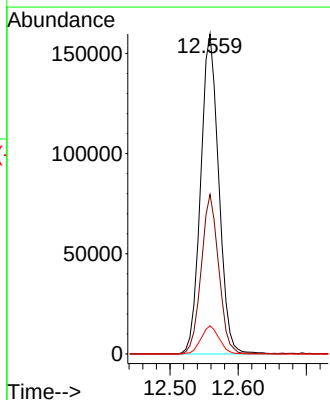
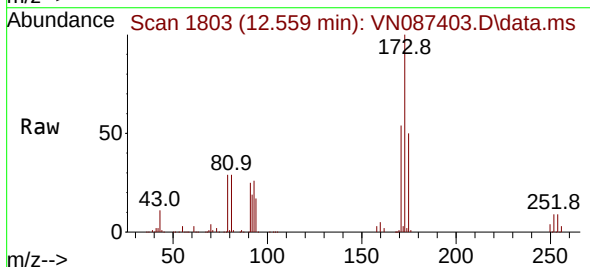
Manual Integrations
APPROVED

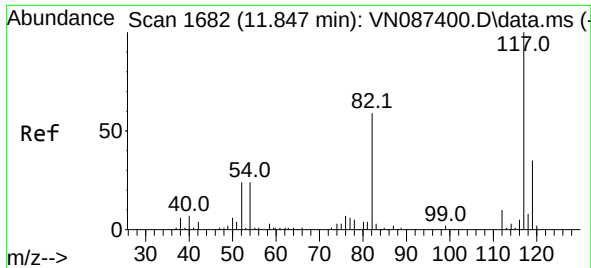
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#56
Bromoform
Concen: 166.136 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion:173 Resp: 294556
Ion Ratio Lower Upper
173 100
175 48.2 38.4 57.6
254 8.8 6.7 10.1





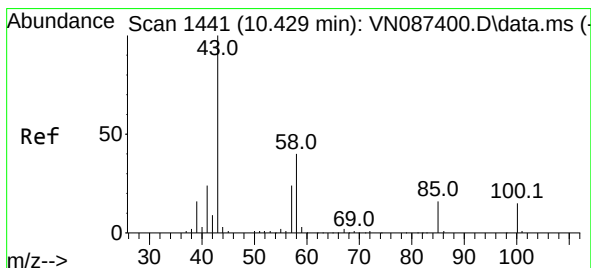
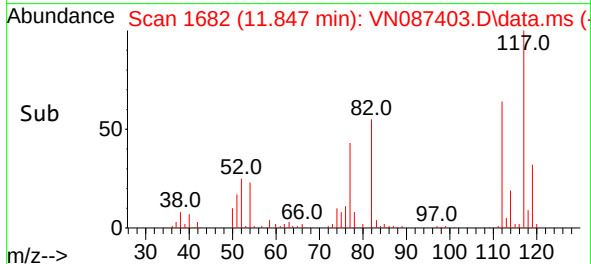
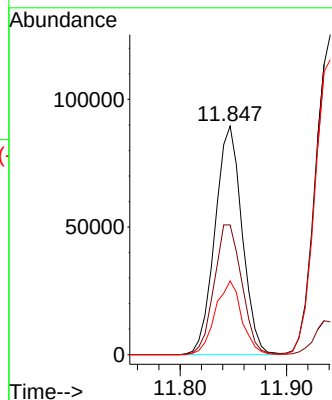
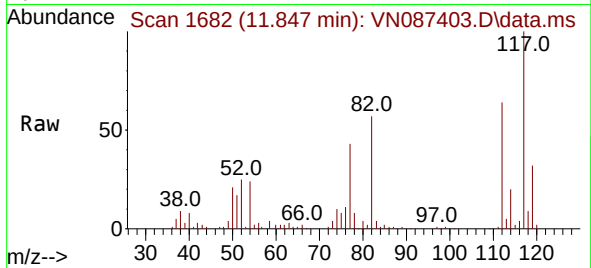
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 15845
Ion Ratio Lower Upper
117 100
82 58.0 44.1 66.1
119 31.4 25.4 38.2

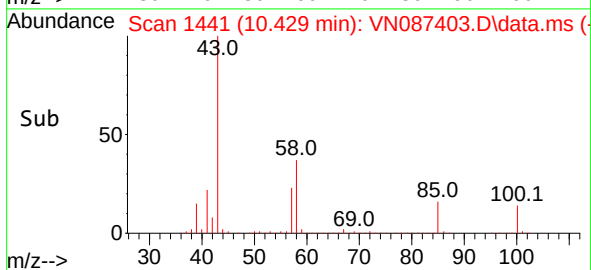
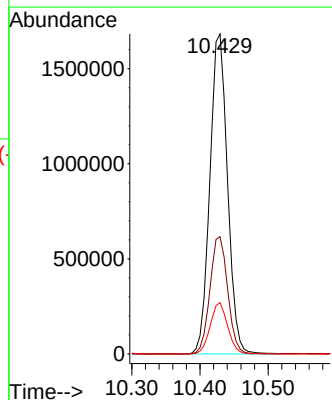
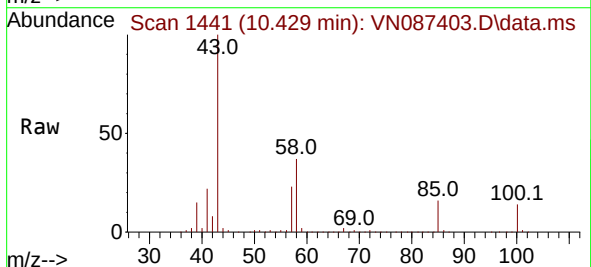
Manual Integrations
APPROVED

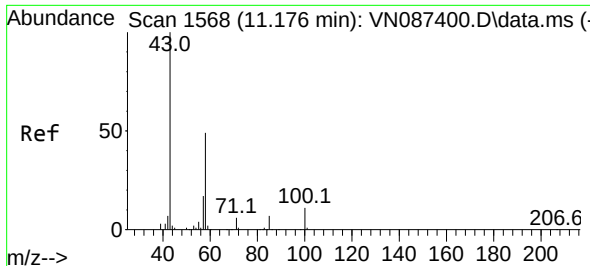
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
4-Methyl-2-Pentanone
Concen: 797.821 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

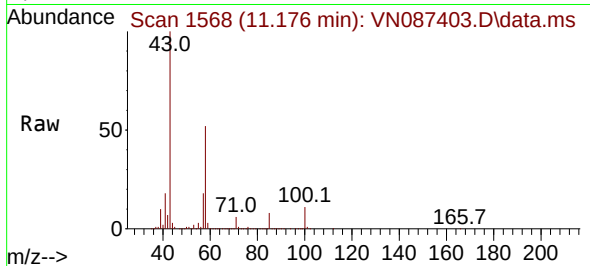
Tgt Ion: 43 Resp: 3029140
Ion Ratio Lower Upper
43 100
58 37.0 29.5 44.3
85 15.9 13.3 19.9





#59
2-Hexanone
Concen: 846.940 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

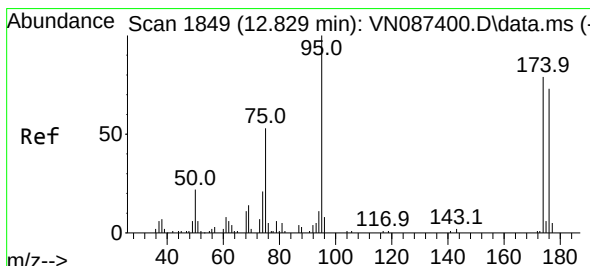
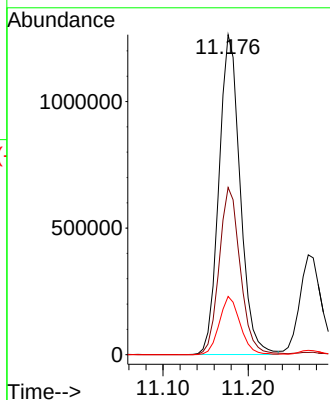
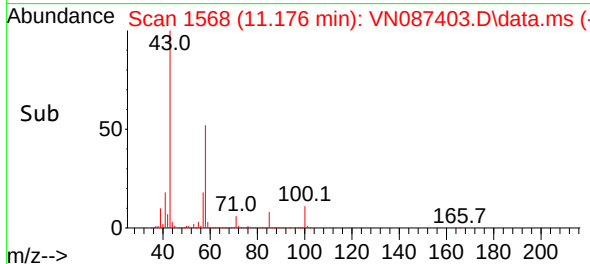
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 2187260
Ion Ratio Lower Upper
43 100
58 52.1 40.5 60.7
57 17.9 14.0 21.0

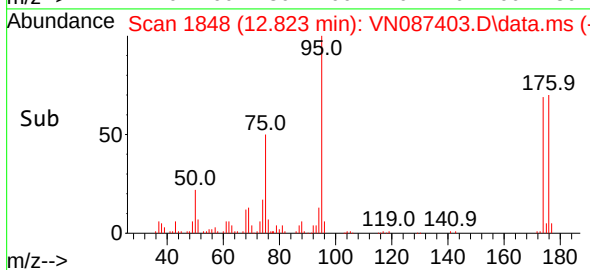
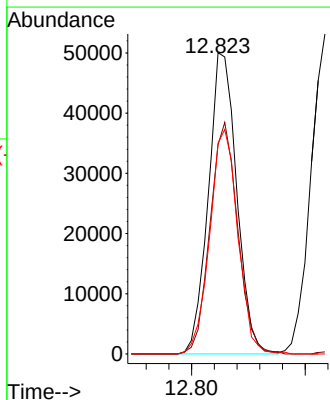
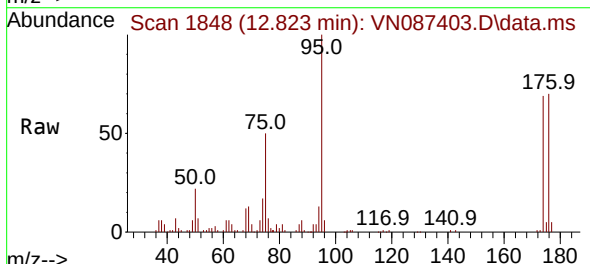
Manual Integrations
APPROVED

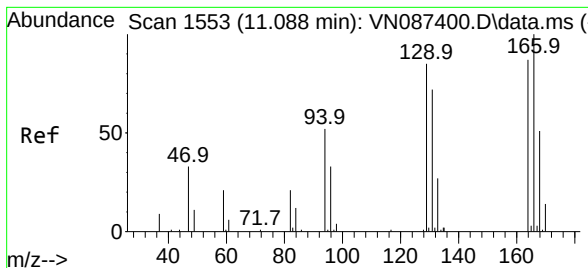
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
4-Bromofluorobenzene
Concen: 32.822 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

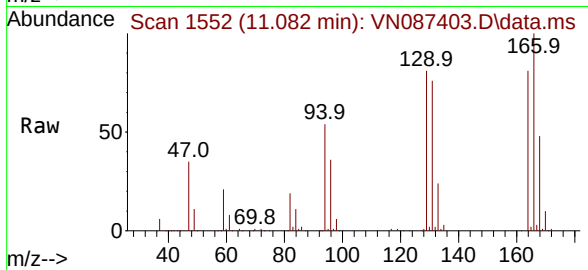
Tgt Ion: 95 Resp: 86716
Ion Ratio Lower Upper
95 100
174 75.2 62.1 93.1
176 73.6 57.9 86.9





#61
Tetrachloroethene
Concen: 140.959 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

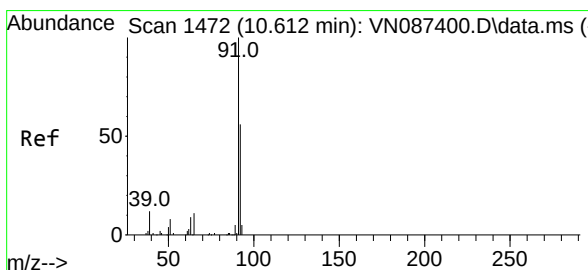
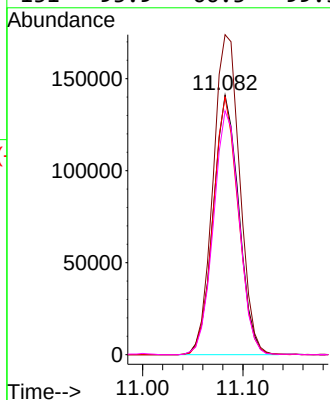
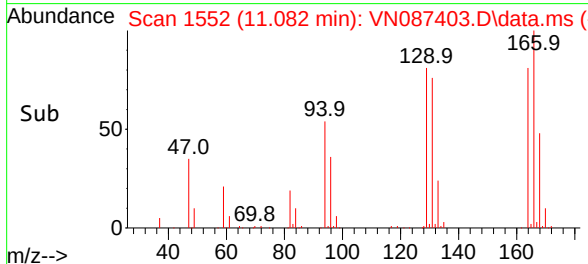
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



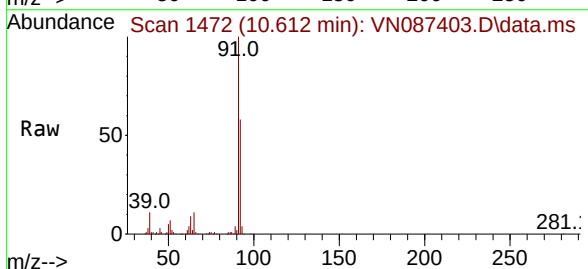
Tgt Ion:164 Resp: 250544
Ion Ratio Lower Upper
164 100
166 123.3 91.7 137.5
129 99.2 77.8 116.6
131 93.9 66.3 99.5

Manual Integrations
APPROVED

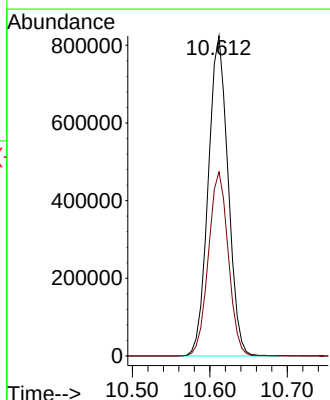
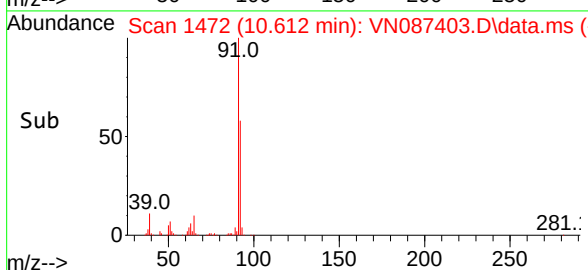
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

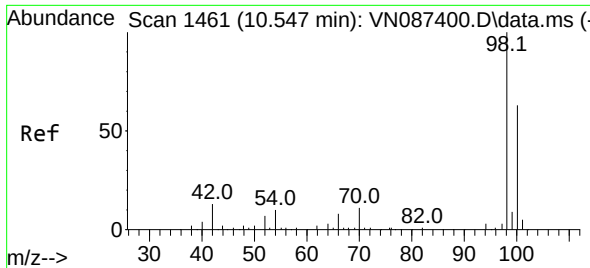


#62
Toluene
Concen: 153.217 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



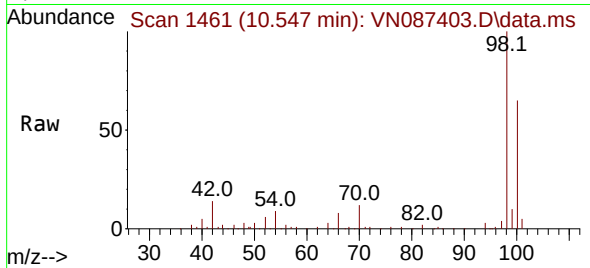
Tgt Ion: 91 Resp: 1463796
Ion Ratio Lower Upper
91 100
92 57.5 47.4 71.0





#63
Toluene-d8
Concen: 29.368 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

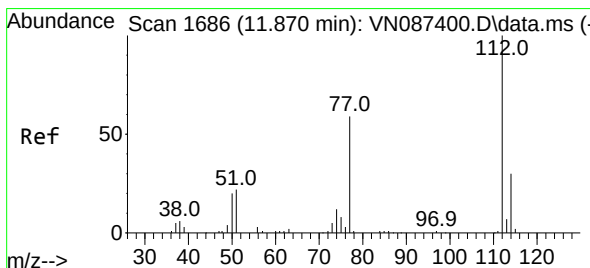
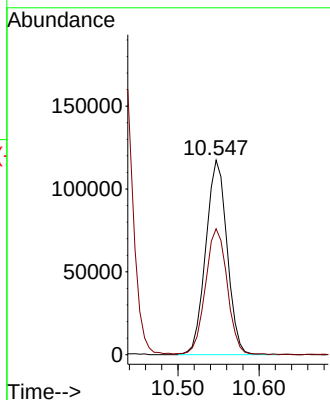
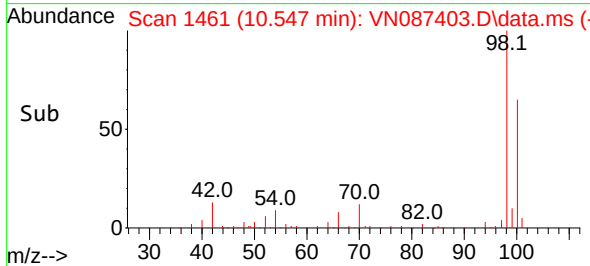
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



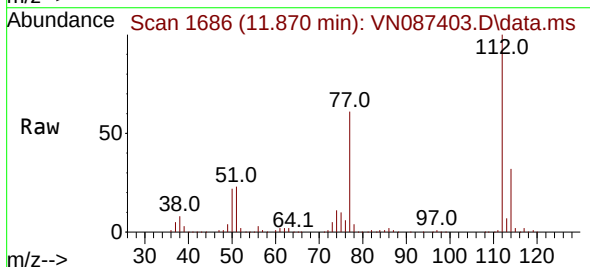
Tgt Ion: 98 Resp: 21424
Ion Ratio Lower Upper
98 100
100 66.2 51.1 76.7

Manual Integrations
APPROVED

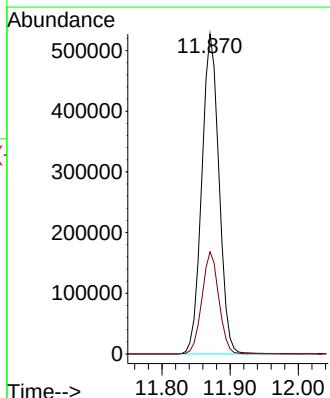
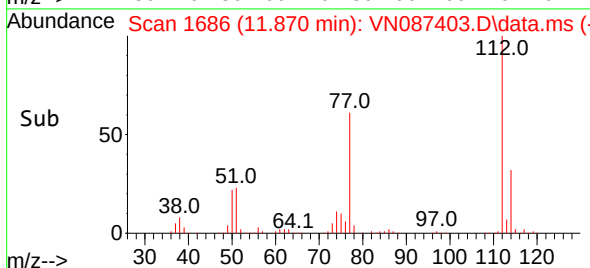
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

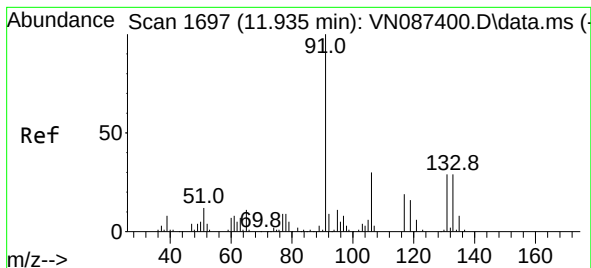


#64
Chlorobenzene
Concen: 153.179 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



Tgt Ion:112 Resp: 925608
Ion Ratio Lower Upper
112 100
114 31.9 24.0 36.0





#65

1,1,1,2-Tetrachloroethane

Concen: 147.925 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VN087403.D

Acq: 23 Jul 2025 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:131 Resp: 328710

Ion Ratio Lower Upper

131 100

133 95.3 0.0 193.0

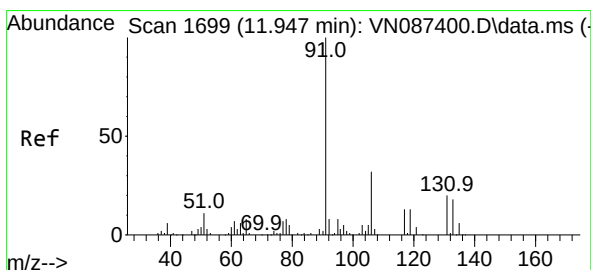
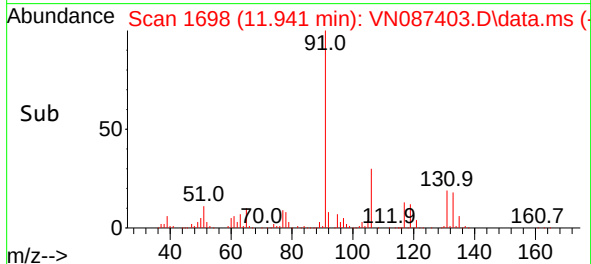
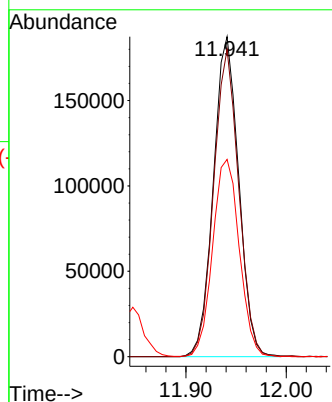
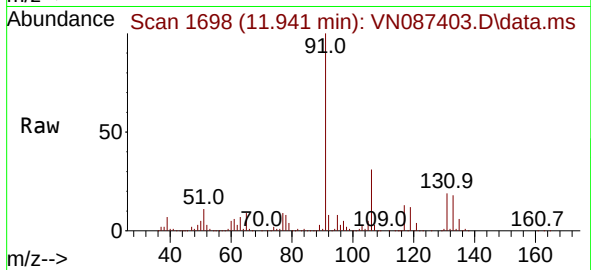
119 64.9 0.0 128.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#66

Ethyl Benzene

Concen: 164.532 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VN087403.D

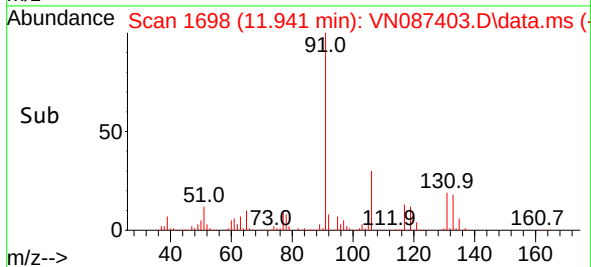
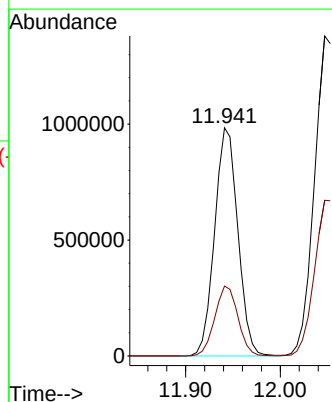
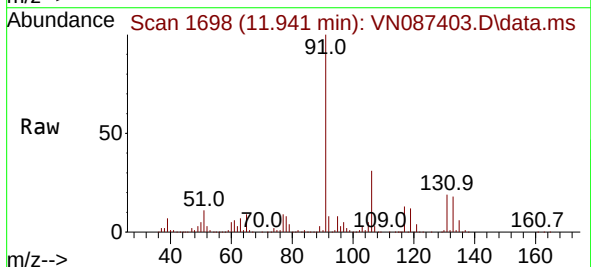
Acq: 23 Jul 2025 11:32

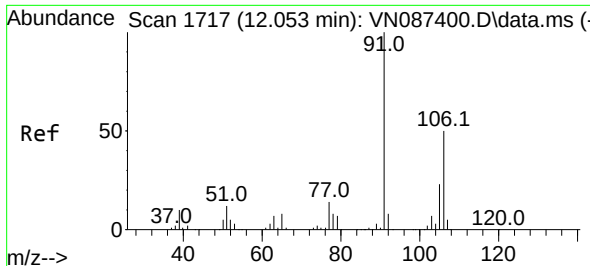
Tgt Ion: 91 Resp: 1677577

Ion Ratio Lower Upper

91 100

106 30.7 25.8 38.6





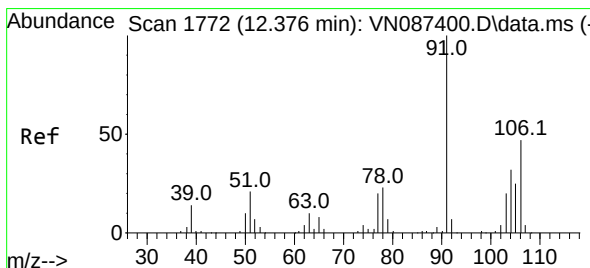
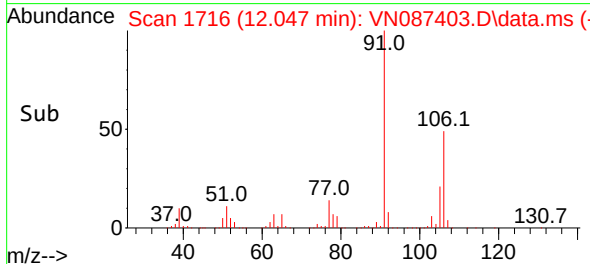
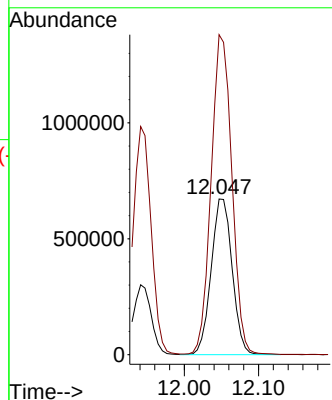
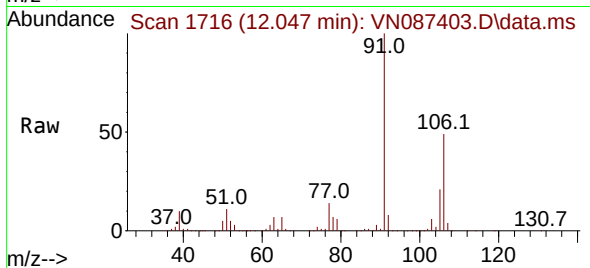
#67
m/p-Xylenes
Concen: 324.369 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 132168
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2

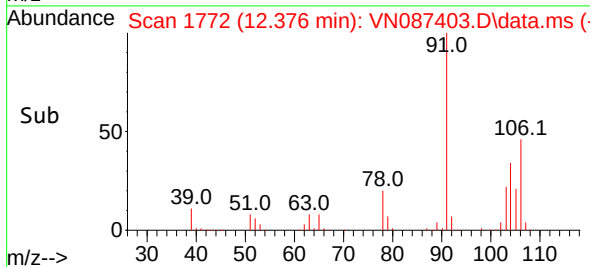
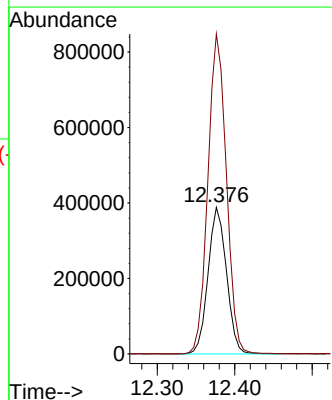
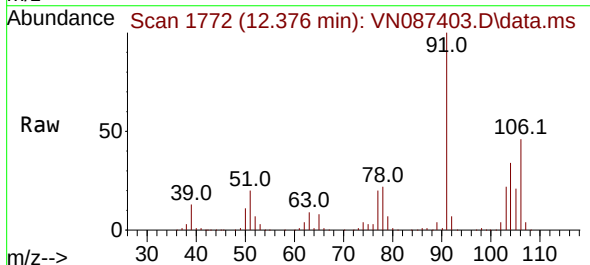
Manual Integrations
APPROVED

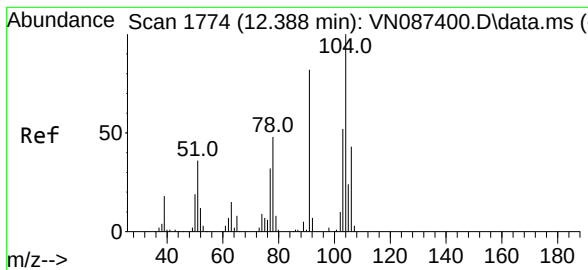
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#68
o-Xylene
Concen: 168.026 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

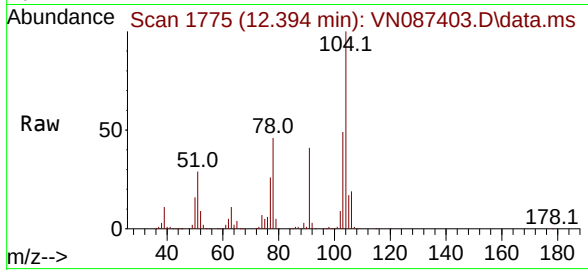
Tgt Ion:106 Resp: 641702
Ion Ratio Lower Upper
106 100
91 218.7 106.6 319.8





#69
Styrene
Concen: 171.436 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

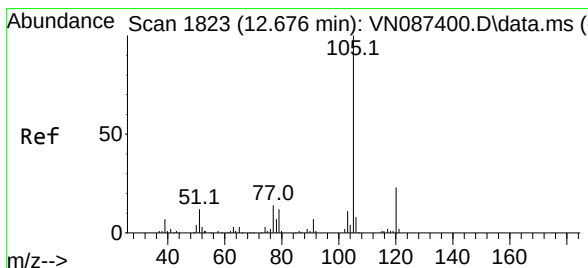
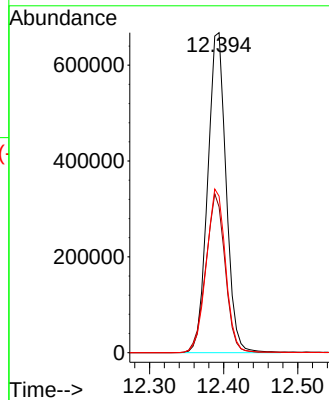
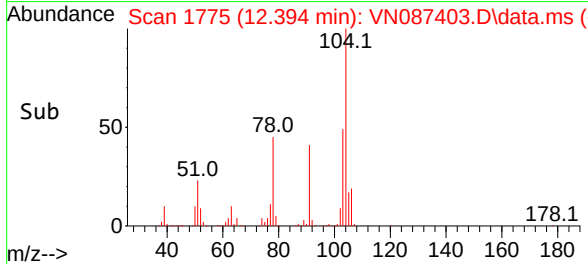
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:104 Resp: 115158
Ion Ratio Lower Upper
104 100
78 52.1 40.7 61.1
103 53.8 43.4 65.2

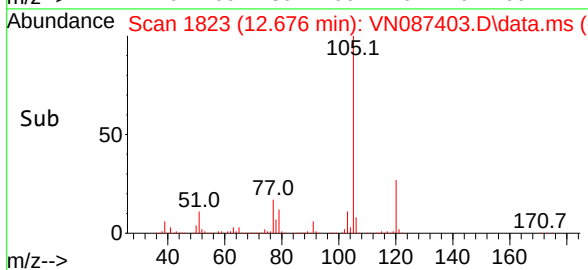
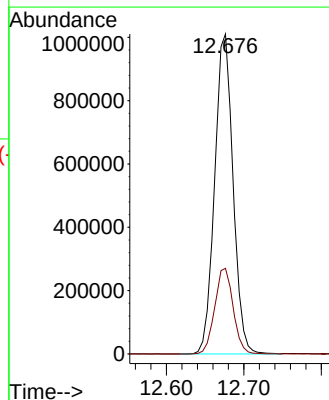
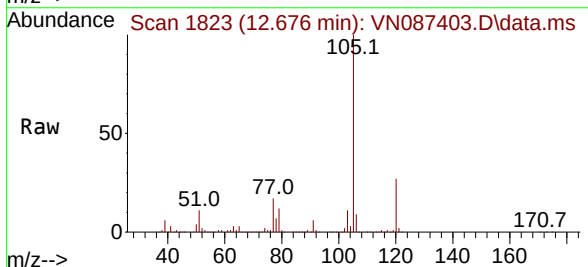
Manual Integrations
APPROVED

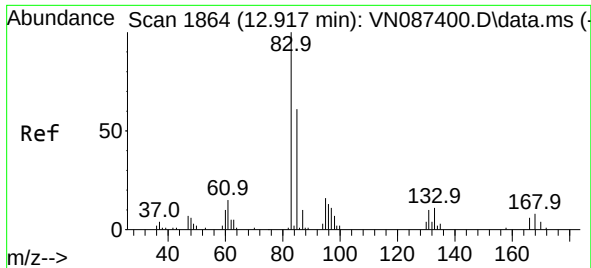
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#70
Isopropylbenzene
Concen: 170.112 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

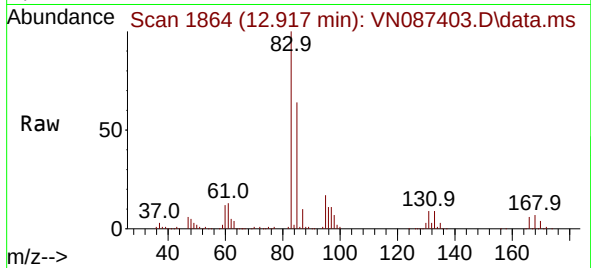
Tgt Ion:105 Resp: 1665412
Ion Ratio Lower Upper
105 100
120 26.8 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 154.029 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

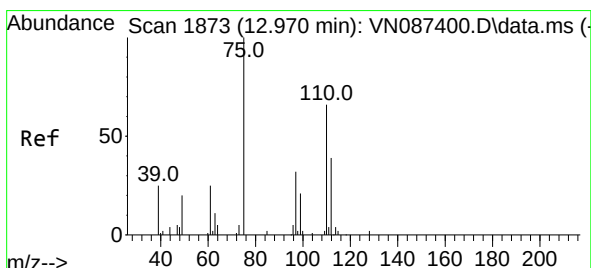
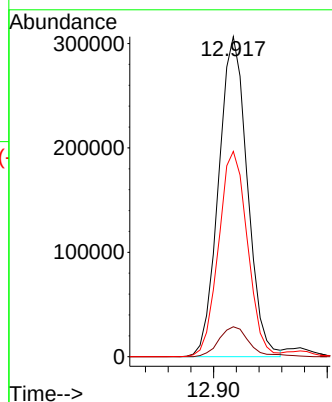
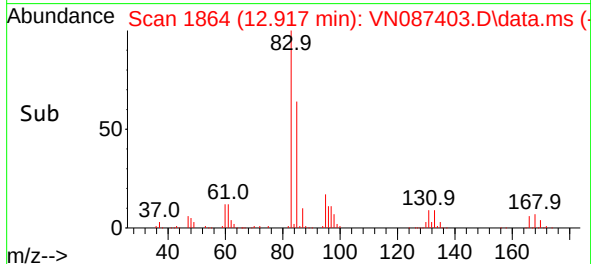
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 538980
Ion Ratio Lower Upper
83 100
131 9.9 4.6 13.8
85 64.5 30.6 91.6

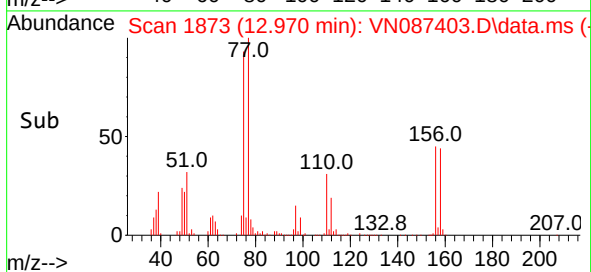
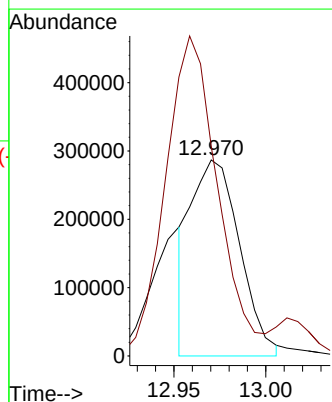
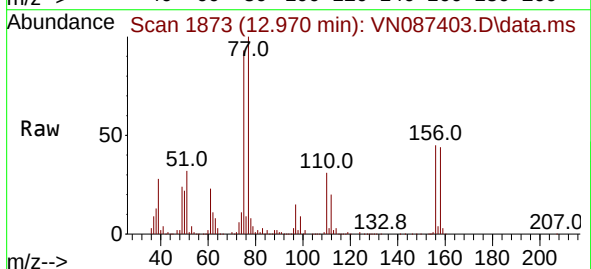
Manual Integrations
APPROVED

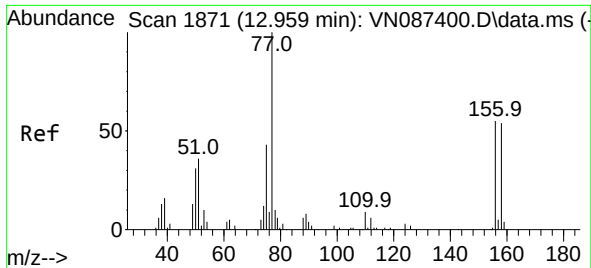
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#72
1,2,3-Trichloropropane
Concen: 118.649 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

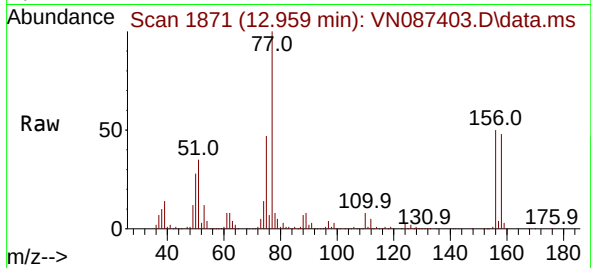
Tgt Ion: 75 Resp: 525973
Ion Ratio Lower Upper
75 100
77 176.6 0.0 361.2





#73
Bromobenzene
Concen: 158.627 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

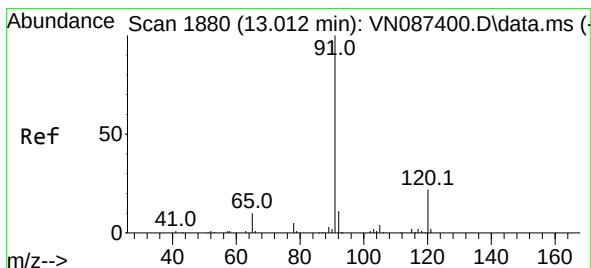
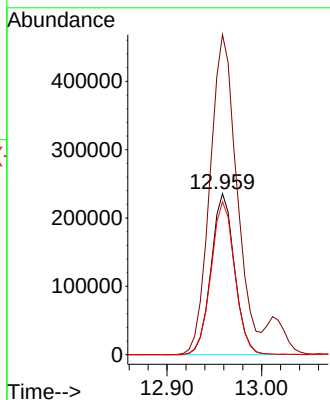
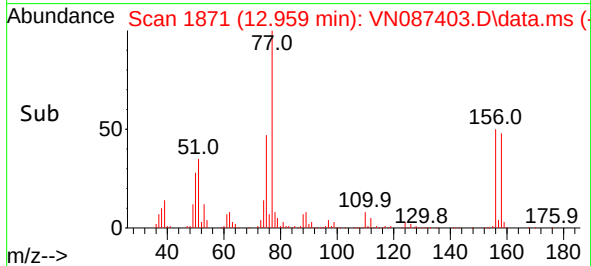
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 405169
Ion Ratio Lower Upper
156 100
77 229.3 0.0 440.6
158 96.2 0.0 195.0

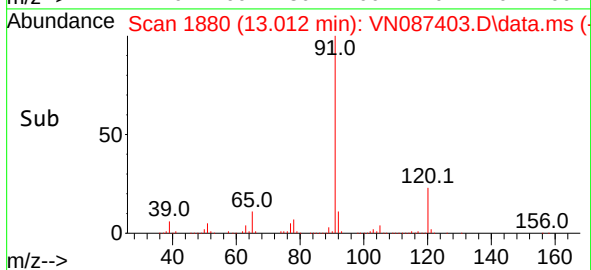
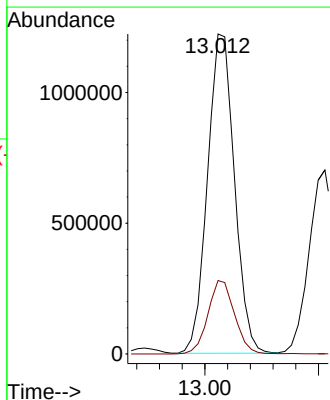
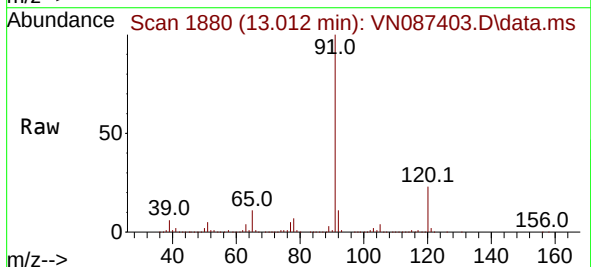
Manual Integrations
APPROVED

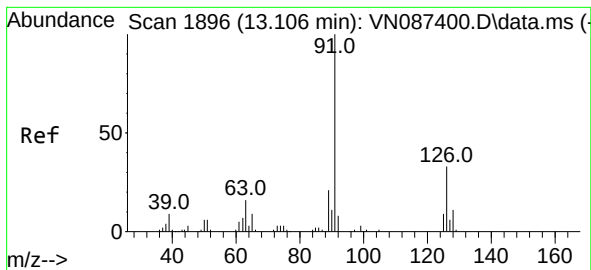
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#74
n-propylbenzene
Concen: 161.916 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 91 Resp: 2014635
Ion Ratio Lower Upper
91 100
120 22.6 0.0 44.6





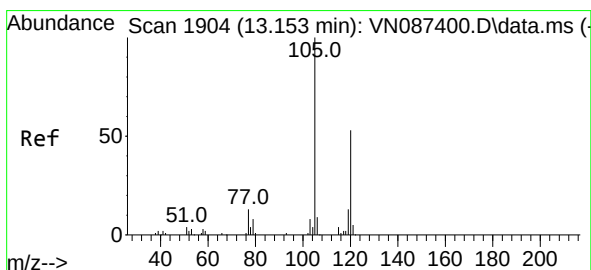
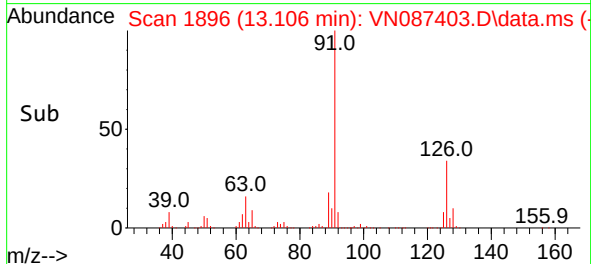
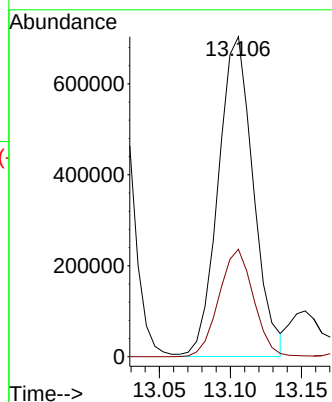
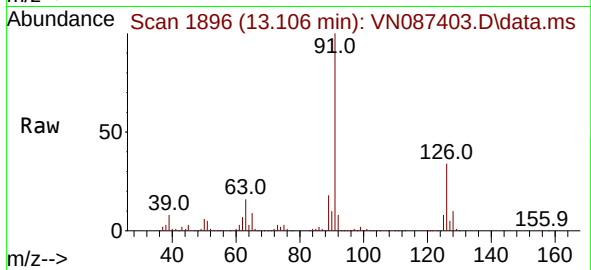
#75
2-Chlorotoluene
Concen: 164.175 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 120611
Ion Ratio Lower Upper
91 100
126 33.2 0.0 65.4

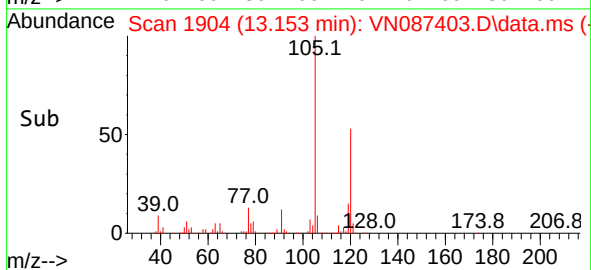
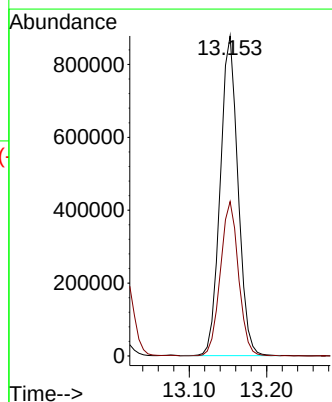
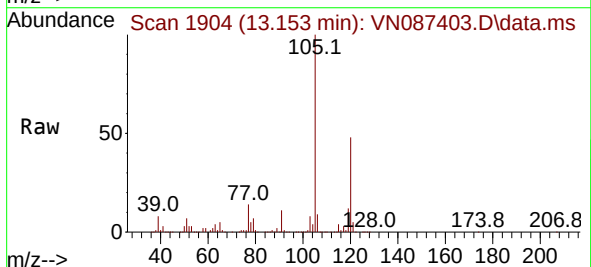
Manual Integrations
APPROVED

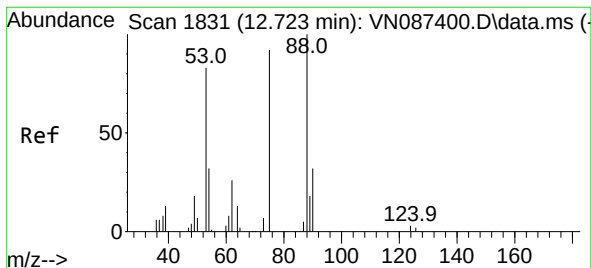
Reviewed By :John Carbone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76
1,3,5-Trimethylbenzene
Concen: 165.134 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

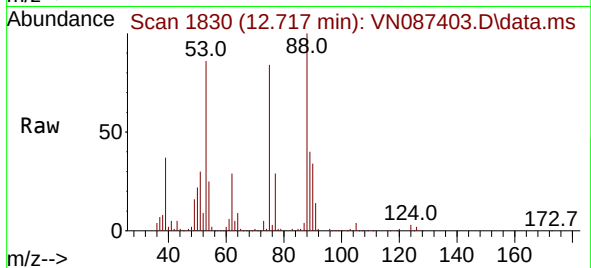
Tgt Ion:105 Resp: 1399094
Ion Ratio Lower Upper
105 100
120 49.2 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 184.602 ug/l
RT: 12.717 min Scan# 1831
Delta R.T. -0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

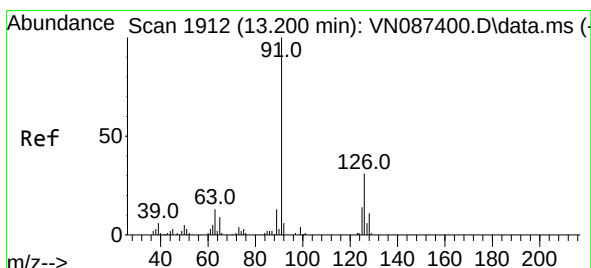
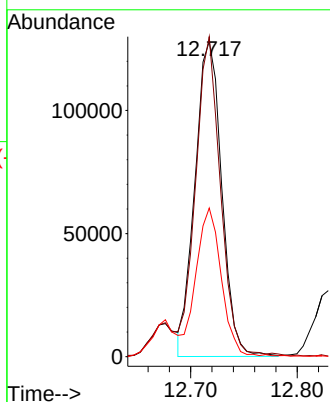
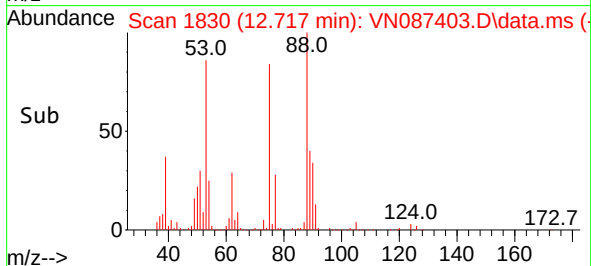
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 223985
Ion Ratio Lower Upper
75 100
53 101.0 44.0 131.8
89 47.0 17.0 50.9

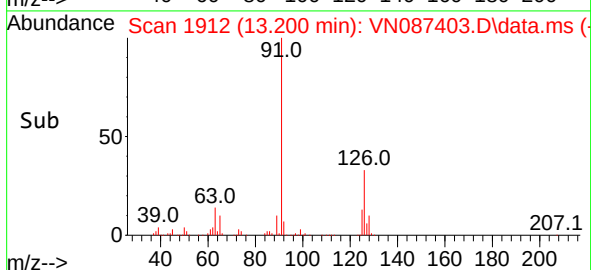
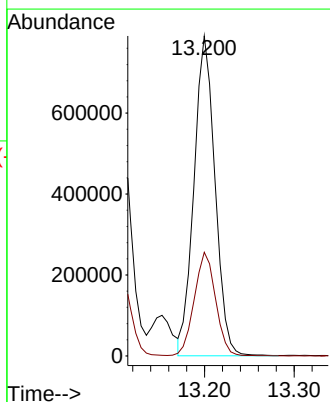
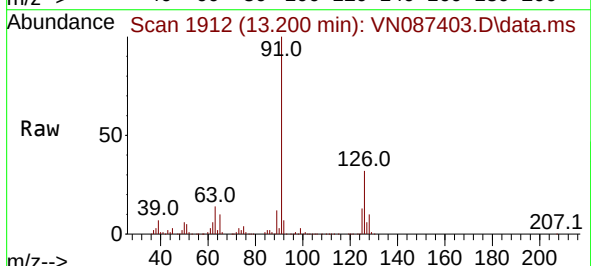
Manual Integrations
APPROVED

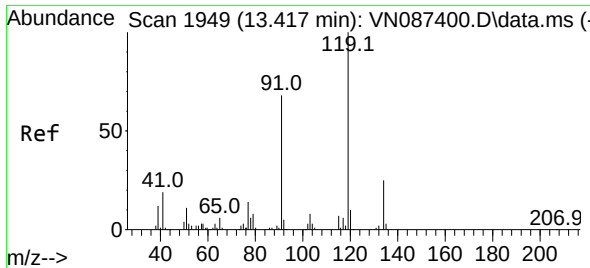
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#78
4-Chlorotoluene
Concen: 163.247 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion: 91 Resp: 1286870
Ion Ratio Lower Upper
91 100
126 32.6 0.0 66.6





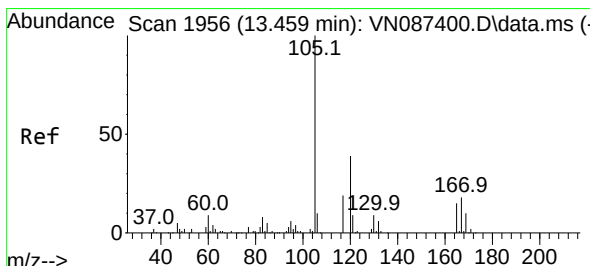
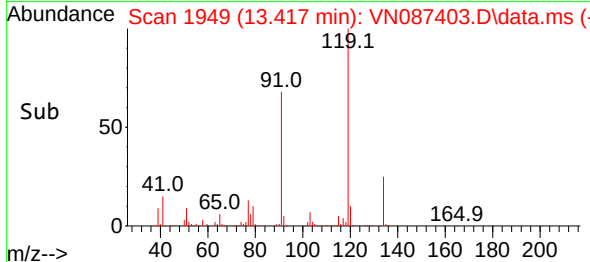
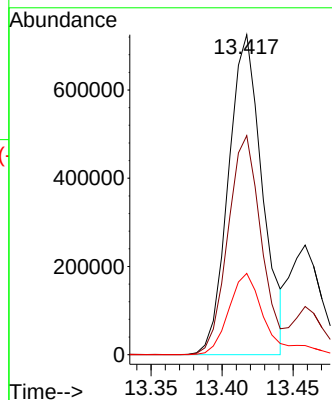
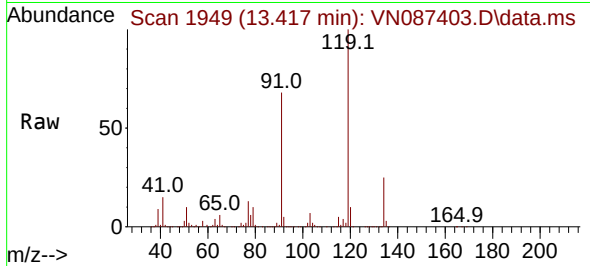
#79
tert-butylbenzene
Concen: 169.010 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 1207218
Ion Ratio Lower Upper
119 100
91 66.7 0.0 134.8
134 25.2 0.0 52.0

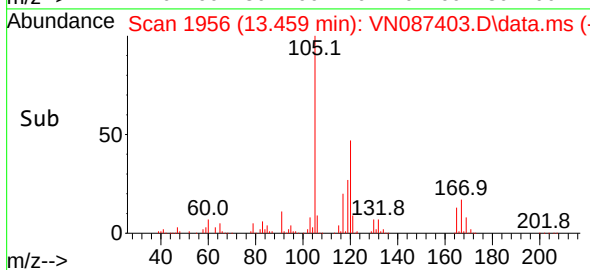
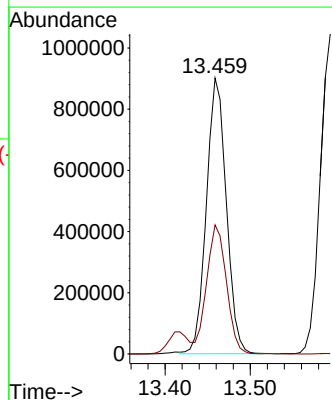
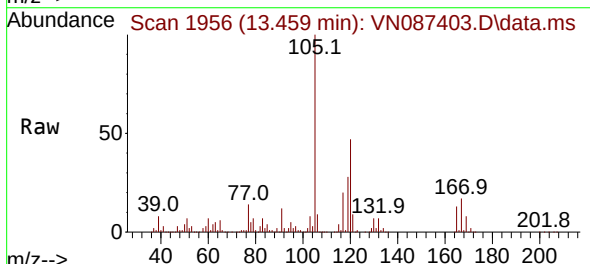
Manual Integrations
APPROVED

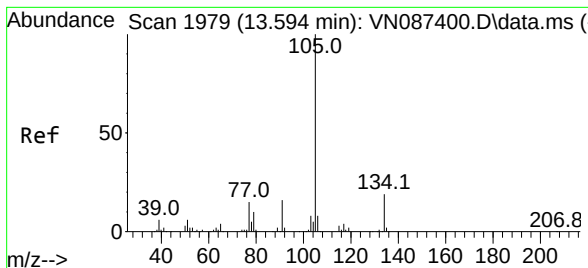
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#80
1,2,4-Trimethylbenzene
Concen: 168.612 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

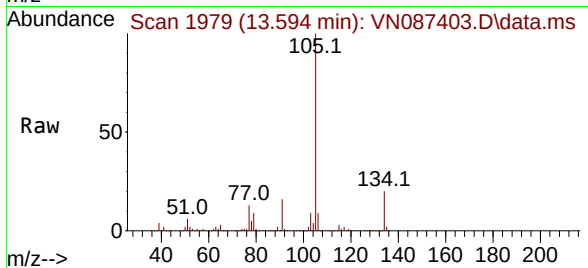
Tgt Ion:105 Resp: 1462215
Ion Ratio Lower Upper
105 100
120 46.1 0.0 93.6





#81
 sec-Butylbenzene
 Concen: 165.116 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32

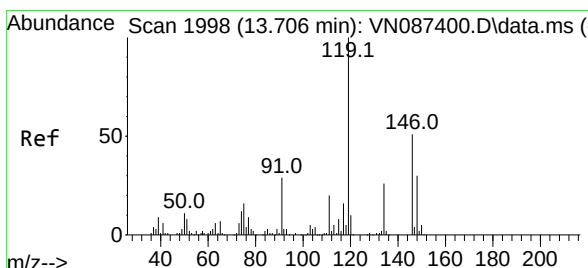
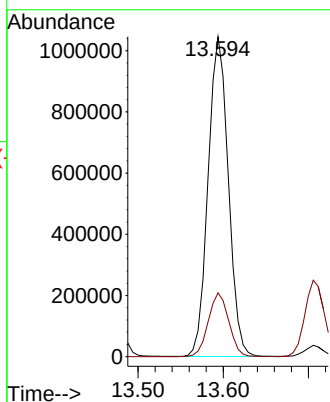
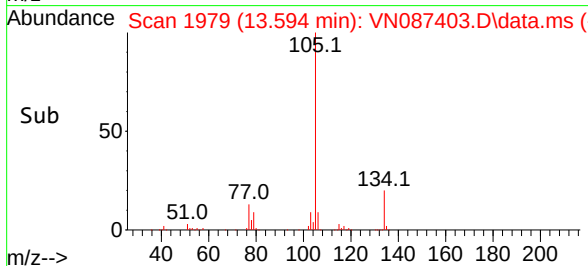
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



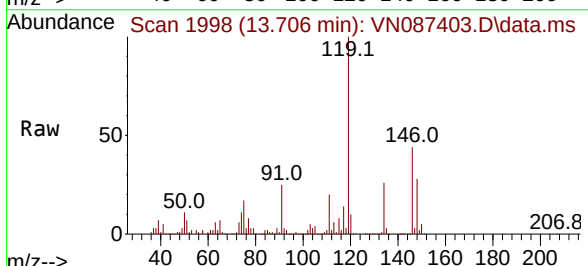
Tgt Ion:105 Resp: 1720694
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.6

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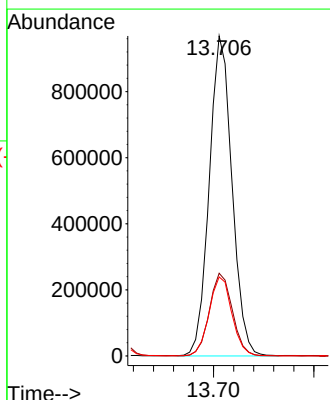
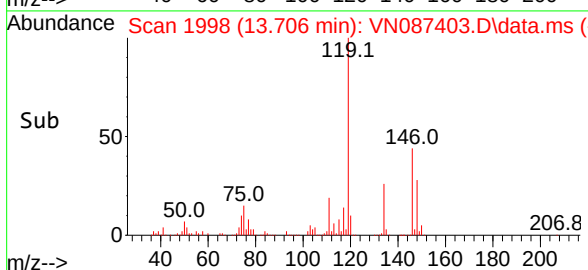
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

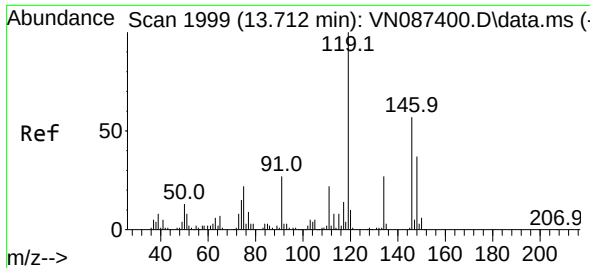


#82
 p-Isopropyltoluene
 Concen: 171.037 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32



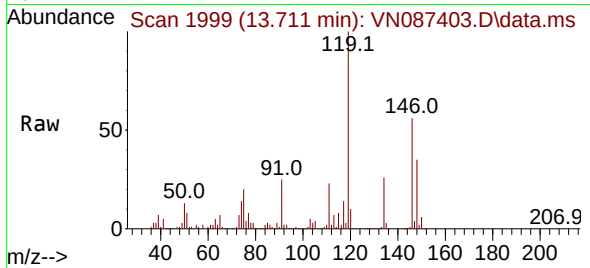
Tgt Ion:119 Resp: 1526180
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 51.8
 91 24.7 0.0 54.2





#83
 1,3-Dichlorobenzene
 Concen: 156.099 ug/l
 RT: 13.711 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32

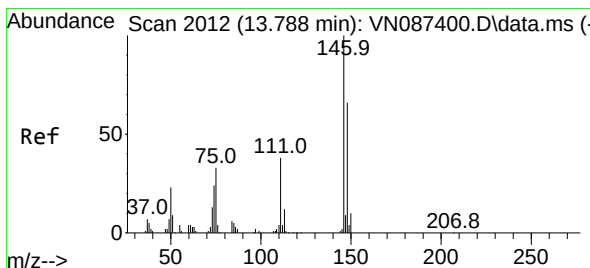
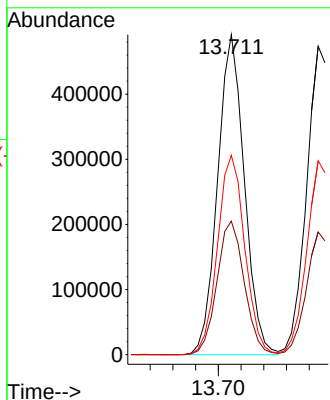
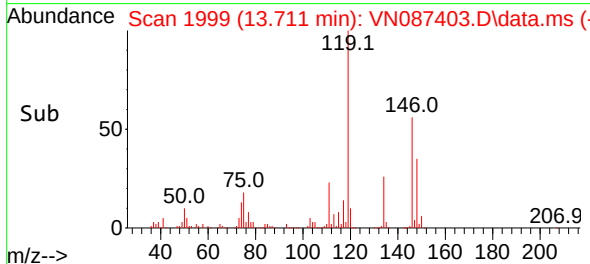
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



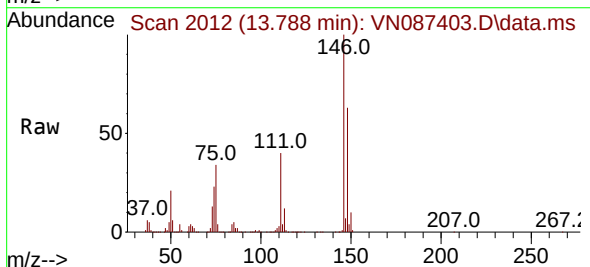
Tgt Ion:146 Resp: 804030
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.2 60.6
 148 63.5 31.7 95.1

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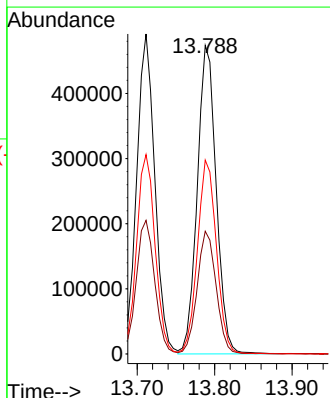
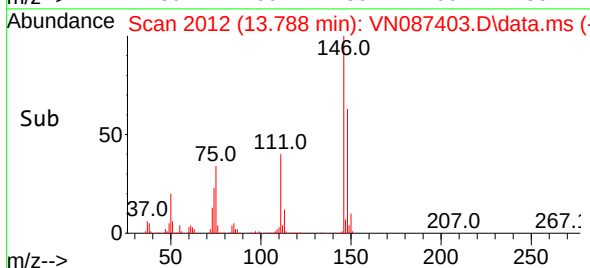
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

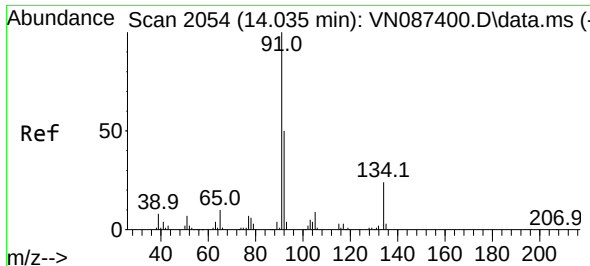


#84
 1,4-Dichlorobenzene
 Concen: 157.759 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087403.D
 Acq: 23 Jul 2025 11:32



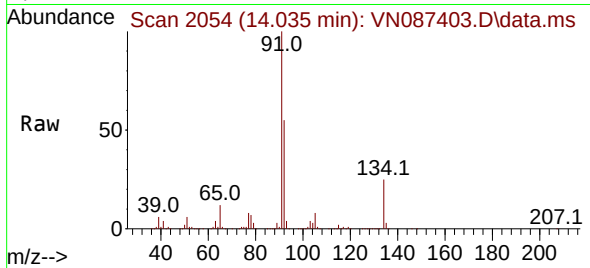
Tgt Ion:146 Resp: 803072
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.4 58.1
 148 63.2 32.4 97.2





#85
n-Butylbenzene
Concen: 171.089 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

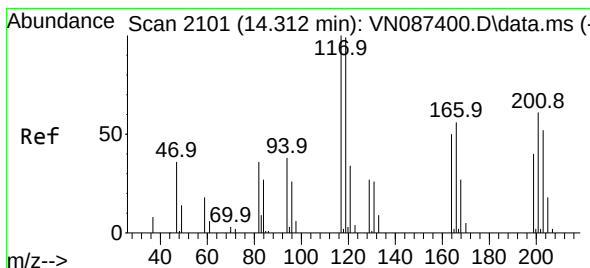
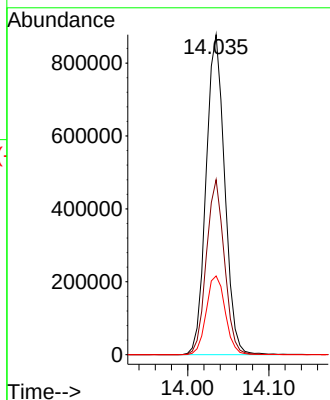
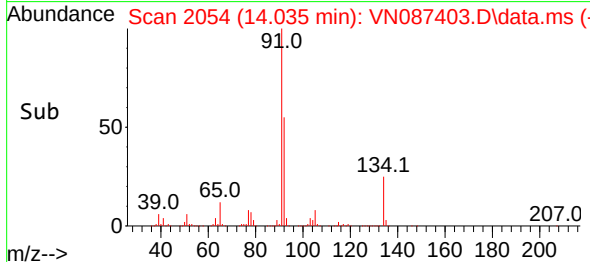
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 91 Resp: 1394470
Ion Ratio Lower Upper
91 100
92 53.2 0.0 101.4
134 25.1 0.0 48.6

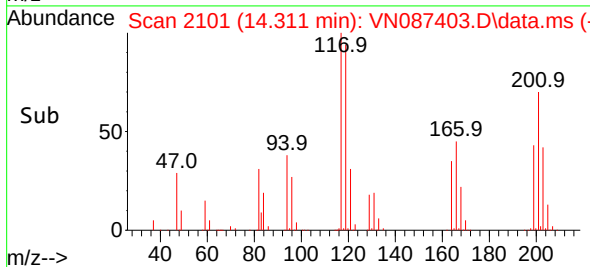
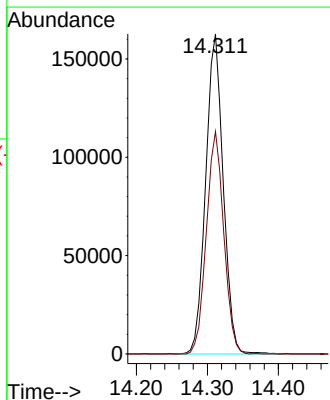
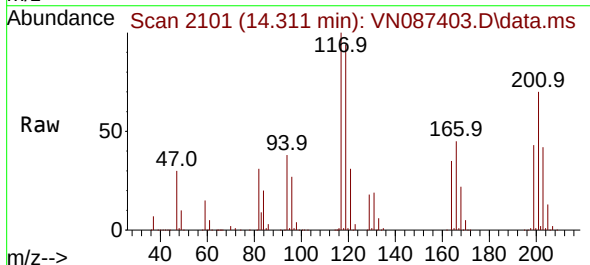
Manual Integrations
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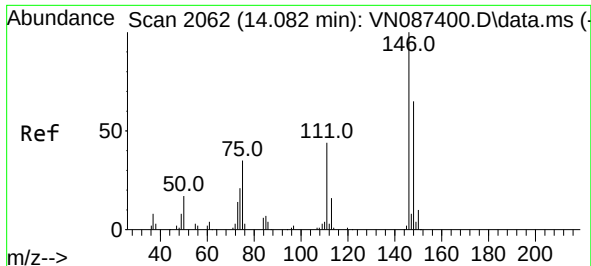
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#86
Hexachloroethane
Concen: 158.990 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion:117 Resp: 279017
Ion Ratio Lower Upper
117 100
201 69.0 34.2 102.5





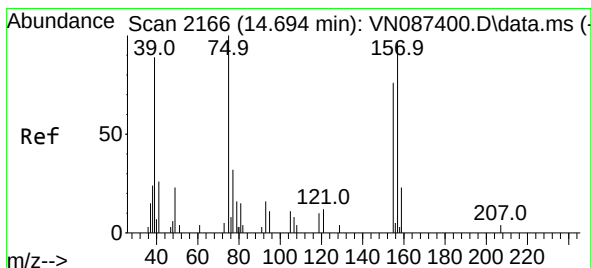
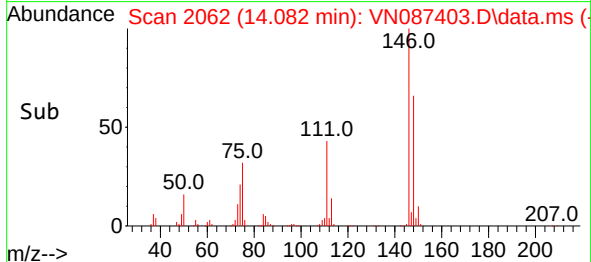
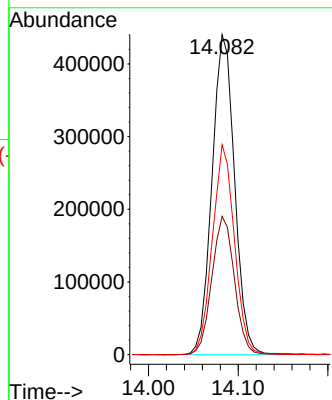
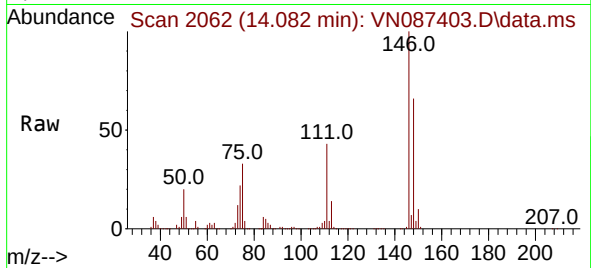
#87
1,2-Dichlorobenzene
Concen: 157.565 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 76985
Ion Ratio Lower Upper
146 100
111 43.2 21.9 65.8
148 64.1 31.2 93.6

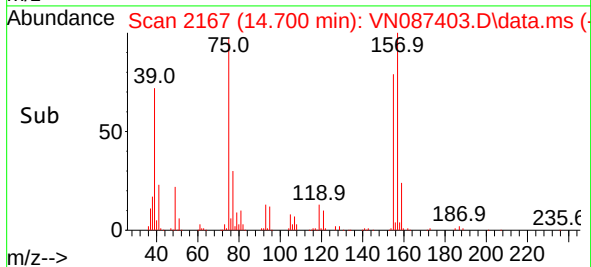
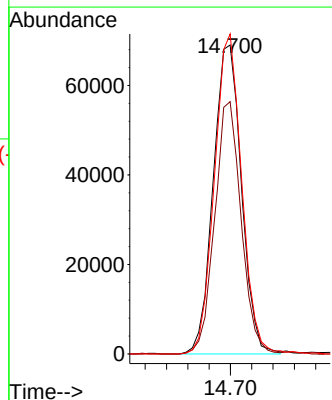
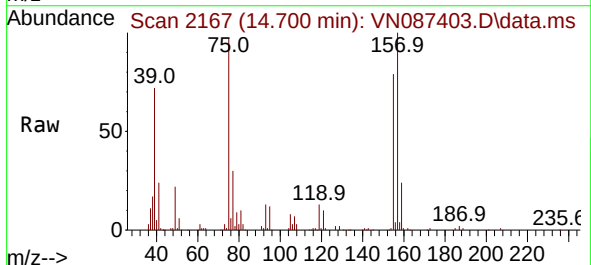
Manual Integrations
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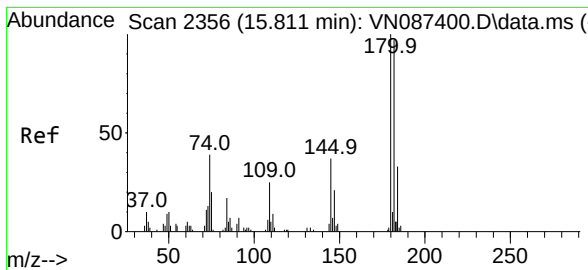
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 159.520 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

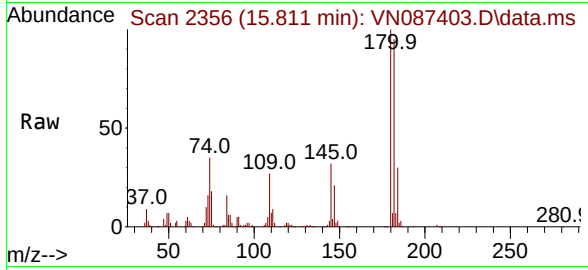
Tgt Ion: 75 Resp: 126525
Ion Ratio Lower Upper
75 100
155 76.9 61.3 91.9
157 100.0 85.5 128.3





#89
1,2,4-Trichlorobenzene
Concen: 170.062 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

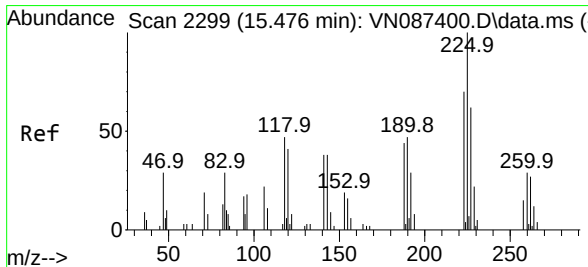
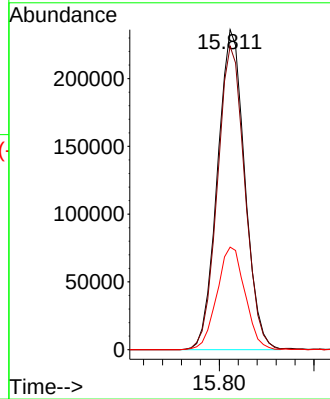
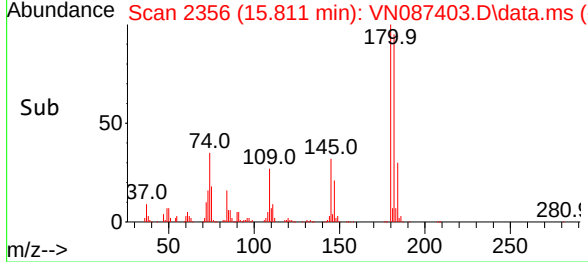
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



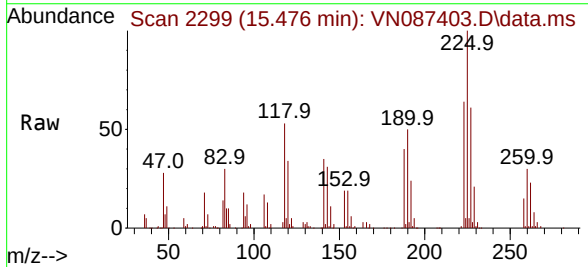
Tgt Ion:180 Resp: 47393
Ion Ratio Lower Upper
180 100
182 94.9 74.2 111.2
145 32.9 29.3 43.9

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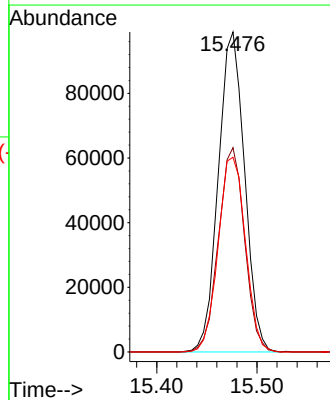
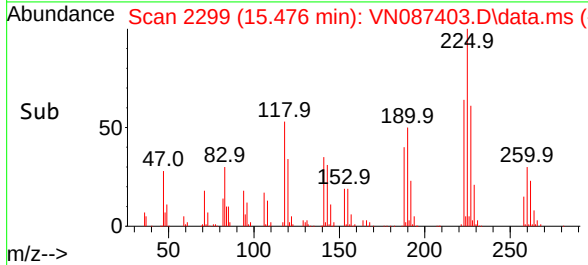
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

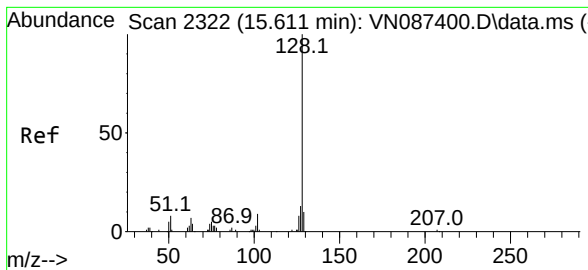


#90
Hexachlorobutadiene
Concen: 156.218 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32



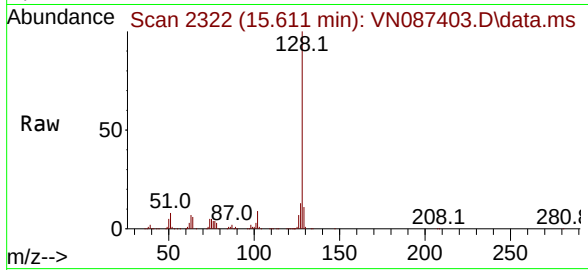
Tgt Ion:225 Resp: 180043
Ion Ratio Lower Upper
225 100
223 63.4 0.0 125.2
227 63.2 0.0 122.4





#91
Naphthalene
Concen: 182.141 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

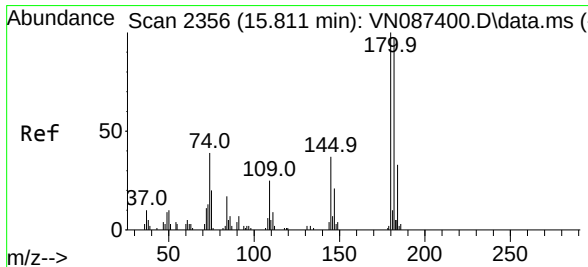
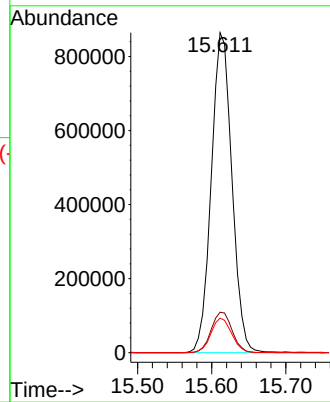
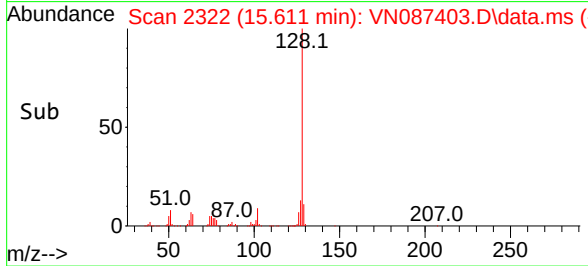
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 167161
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 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#92
1,2,3-Trichlorobenzene
Concen: 170.062 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN087403.D
Acq: 23 Jul 2025 11:32

Tgt Ion:180 Resp: 473933
Ion Ratio Lower Upper
180 100
182 94.9 0.0 185.4
145 32.9 0.0 73.2

