

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087422.D
 Acq On : 28 Jul 2025 10:48
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 11:31:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:25:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	93523	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	531248	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	475412	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	218785	28.365	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.567%		
60) 4-Bromofluorobenzene	12.829	95	240070	30.268	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.900%		
63) Toluene-d8	10.547	98	662288	30.633	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	603788	105.512	ug/l	90
3) Chloromethane	2.383	50	615430	108.276	ug/l	96
4) Vinyl Chloride	2.542	62	625642	99.874	ug/l	93
5) Bromomethane	2.965	94	304379	78.521	ug/l	87
6) Chloroethane	3.130	64	349927	72.685	ug/l	90
7) Trichlorofluoromethane	3.506	101	793694	74.501	ug/l	97
8) Diethyl Ether	3.965	74	323135	76.198	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	425711	75.403	ug/l #	72
10) 1,1-Dichloroethene	4.330	96	433995	74.042	ug/l	94
11) Methyl Iodide	4.577	142	486244	113.720	ug/l	86
12) Methyl Acetate	5.018	43	954898	125.248	ug/l	97
13) Acrolein	4.171	56	350819	253.109	ug/l	99
14) Acrylonitrile	5.706	53	2077657	596.728	ug/l	98
15) Acetone	4.424	58	433944	353.016	ug/l	98
16) Carbon Disulfide	4.700	76	1496049	98.830	ug/l	98
17) Allyl chloride	5.006	41	1020490	127.090	ug/l	88
18) Methylene Chloride	5.265	84	626560	105.620	ug/l #	81
19) trans-1,2-Dichloroethene	5.771	96	587767	102.109	ug/l	88
20) Diisopropyl ether	6.659	45	2319645	114.243	ug/l	95
21) 1,1-Dichloroethane	6.553	63	1148735	105.923	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	728725	108.078	ug/l	99
23) tert-Butyl Alcohol	5.530	59	794923	666.166	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	2163043	114.193	ug/l	99
25) Chloroform	7.953	83	1163610	97.966	ug/l	96
26) Cyclohexane	8.241	56	1049726	129.837	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	796788	87.909	ug/l	98
30) 2-Butanone	7.471	43	2959770	479.493	ug/l	99
31) 2,2-Dichloropropane	7.477	77	990895	83.246	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	964437	81.301	ug/l	99
33) Carbon Tetrachloride	8.347	117	794576	77.103	ug/l	94
34) Benzene	8.588	78	2625671	89.696	ug/l	97
35) Methacrylonitrile	7.765	41	680118	104.776	ug/l	91
36) 1,2-Dichloroethane	8.653	62	890375	77.100	ug/l	98
37) Trichloroethene	9.335	130	596307	89.261	ug/l	99
38) Methylcyclohexane	9.583	83	1019664	106.420	ug/l	96
39) 1,2-Dichloropropane	9.606	63	671411	91.298	ug/l	97
40) Dibromomethane	9.688	93	470115	82.625	ug/l	99
41) Bromodichloromethane	9.871	83	959081	84.898	ug/l	92
42) Vinyl Acetate	6.589	43	10436640	499.120	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087422.D
 Acq On : 28 Jul 2025 10:48
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 11:31:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:25:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	1162237	92.488	ug/l #	78
44) Isopropyl Acetate	8.677	43	1953669	98.479	ug/l	98
45) 1,4-Dioxane	9.683	88	241801	1978.299	ug/l #	54
46) Methyl methacrylate	9.665	41	923751	101.115	ug/l	96
47) n-amyl Acetate	12.488	43	1199467	100.892	ug/l #	60
48) t-1,3-Dichloropropene	10.818	75	1105256	91.712	ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	1134330	94.115	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	643183	87.530	ug/l	95
51) Ethyl methacrylate	10.859	69	1207107	107.422	ug/l	98
52) 1,3-Dichloropropane	11.141	76	1110692	87.911	ug/l	98
53) Dibromochloromethane	11.341	129	745469	86.558	ug/l	100
54) 1,2-Dibromoethane	11.447	107	681098	90.427	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	1866727	298.623	ug/l	98
56) Bromoform	12.559	173	526675	85.982	ug/l	99
58) 4-Methyl-2-Pentanone	10.430	43	5769696	496.315	ug/l	99
59) 2-Hexanone	11.177	43	4208772	536.382	ug/l	97
61) Tetrachloroethene	11.082	164	480939	90.589	ug/l	91
62) Toluene	10.612	91	2874076	99.267	ug/l	97
64) Chlorobenzene	11.871	112	1767524	95.487	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	598213	88.434	ug/l	97
66) Ethyl Benzene	11.941	91	3135838	100.041	ug/l	97
67) m/p-Xylenes	12.047	106	2333824	188.141	ug/l	97
68) o-Xylene	12.376	106	1157058	97.239	ug/l	96
69) Styrene	12.388	104	1996219	96.422	ug/l	99
70) Isopropylbenzene	12.676	105	2987822	99.698	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	1016975	96.465	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	948444m	100.703	ug/l	
73) Bromobenzene	12.959	156	693347	88.886	ug/l	92
74) n-propylbenzene	13.012	91	3660066	96.712	ug/l	99
75) 2-Chlorotoluene	13.106	91	2172105	95.561	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	2455832	94.211	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	426691	113.362	ug/l	90
78) 4-Chlorotoluene	13.200	91	2224958	91.781	ug/l	97
79) tert-butylbenzene	13.418	119	2120750	95.795	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	2422023	91.018	ug/l	96
81) sec-Butylbenzene	13.594	105	3123183	97.752	ug/l	99
82) p-Isopropyltoluene	13.706	119	2517193	91.795	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	1288719	81.997	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	1337394	86.211	ug/l	99
85) n-Butylbenzene	14.035	91	2548236	100.899	ug/l	97
86) Hexachloroethane	14.312	117	517454	96.970	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	1276183	86.242	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	227882	92.905	ug/l	97
89) 1,2,4-Trichlorobenzene	15.812	180	774171	90.691	ug/l	98
90) Hexachlorobutadiene	15.476	225	293149	83.260	ug/l	99
91) Naphthalene	15.612	128	2960118	104.186	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	774171	90.691	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
Data File : VN087422.D
Acq On : 28 Jul 2025 10:48
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

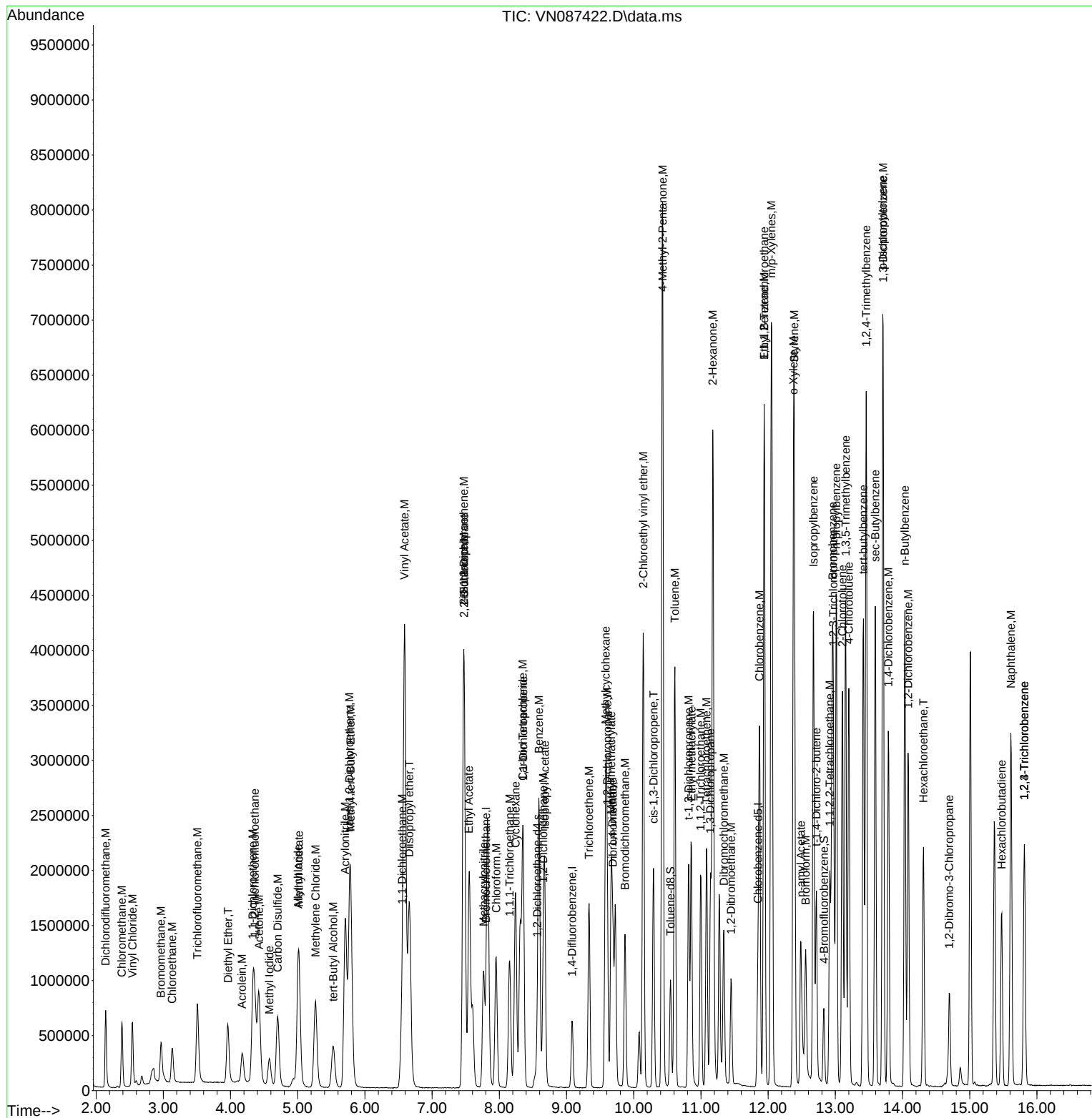
Manual Integrations

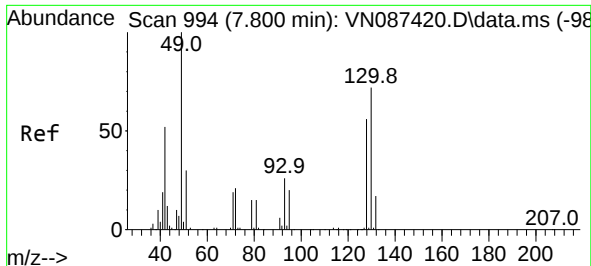
APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:31:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 28 11:25:23 2025
Response via : Initial Calibration





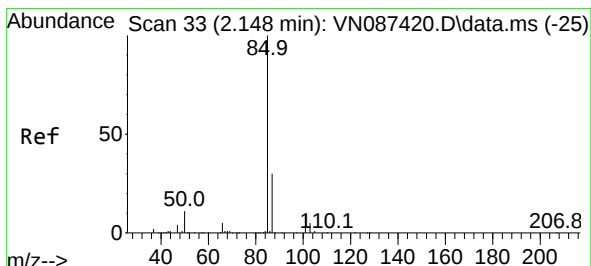
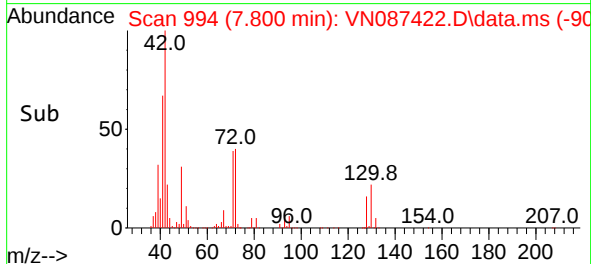
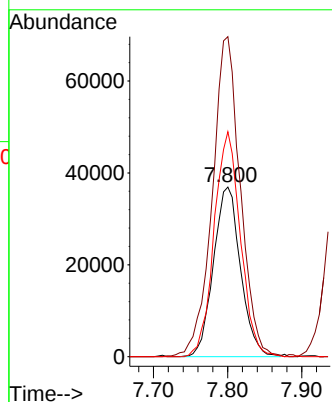
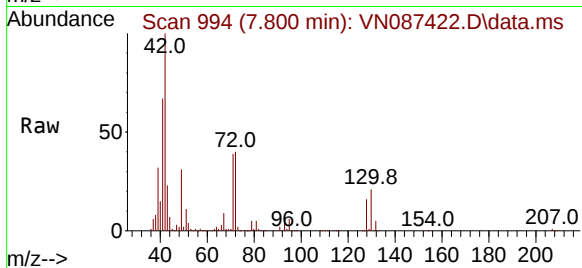
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 9352
Ion Ratio Lower Upper
128 100
49 195.6 0.0 446.2
130 129.0 0.0 331.0

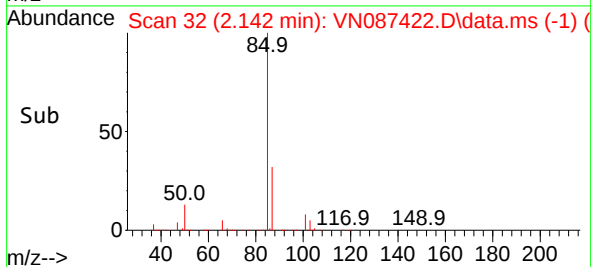
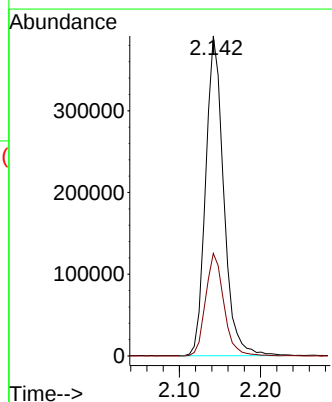
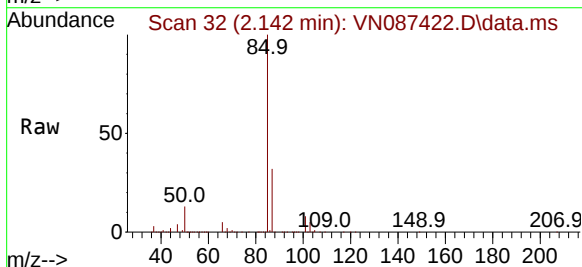
Manual Integrations
APPROVED

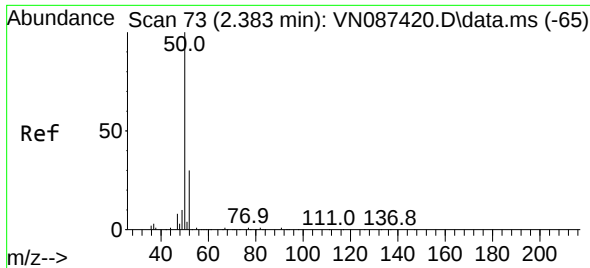
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#2
Dichlorodifluoromethane
Concen: 105.512 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

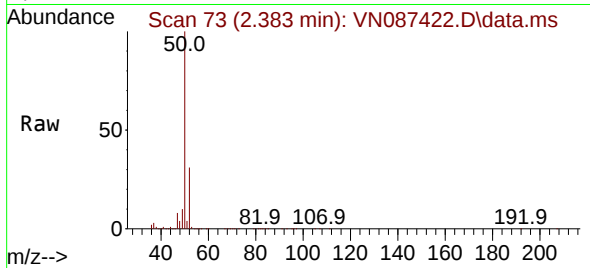
Tgt Ion: 85 Resp: 603788
Ion Ratio Lower Upper
85 100
87 32.1 18.9 56.9





#3
Chloromethane
Concen: 108.276 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

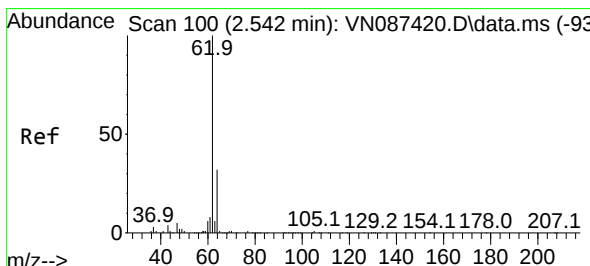
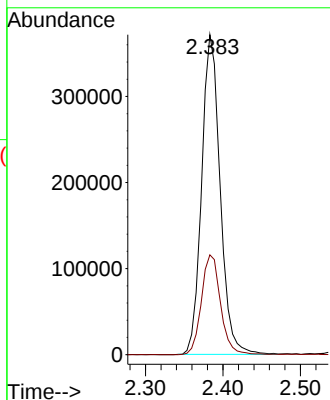
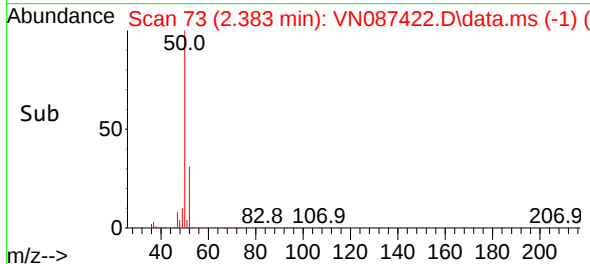
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



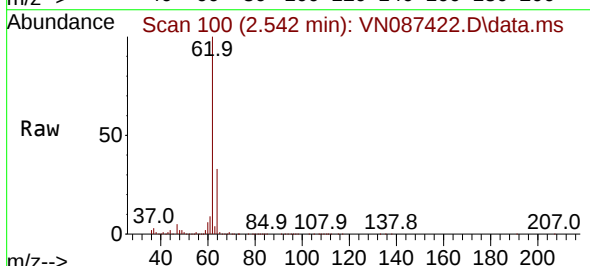
Tgt Ion: 50 Resp: 615430
Ion Ratio Lower Upper
50 100
52 31.2 23.2 34.8

Manual Integrations
APPROVED

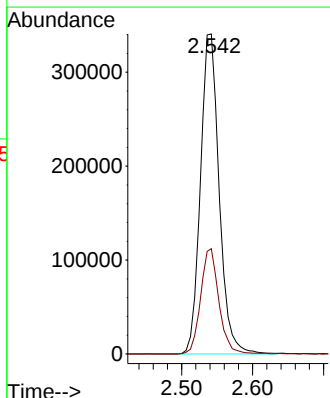
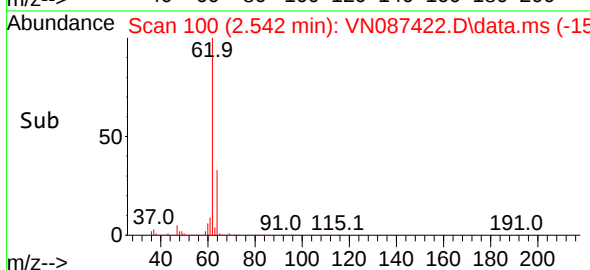
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

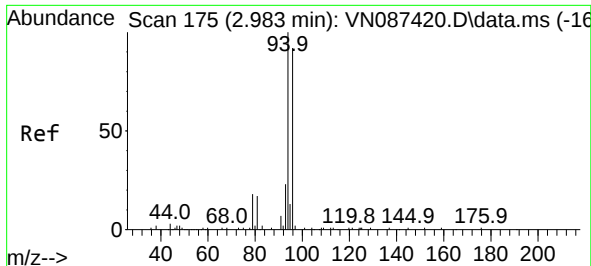


#4
Vinyl Chloride
Concen: 99.874 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



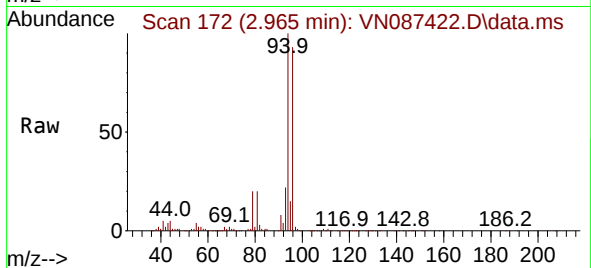
Tgt Ion: 62 Resp: 625642
Ion Ratio Lower Upper
62 100
64 32.9 23.2 34.8





#5
Bromomethane
Concen: 78.521 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

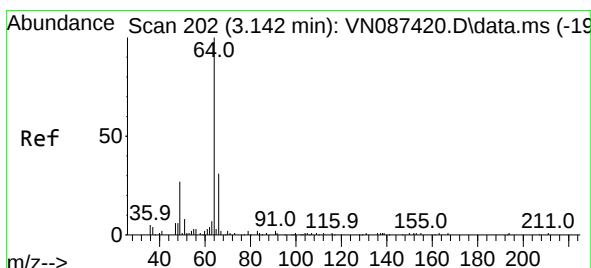
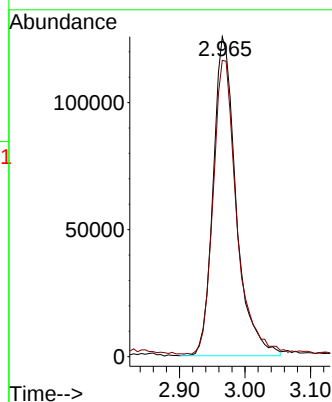
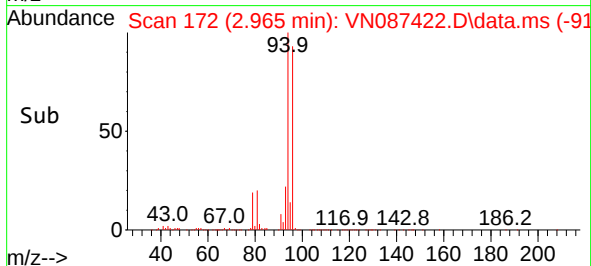
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



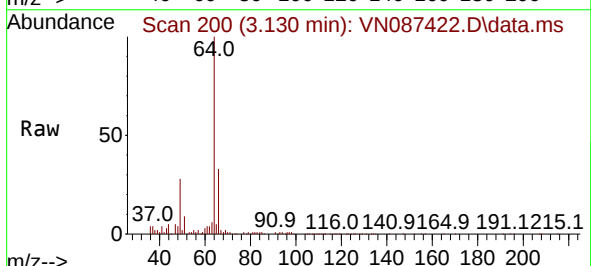
Tgt Ion: 94 Resp: 304379
Ion Ratio Lower Upper
94 100
96 91.9 64.6 96.8

Manual Integrations
APPROVED

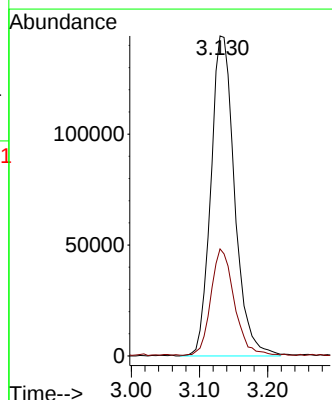
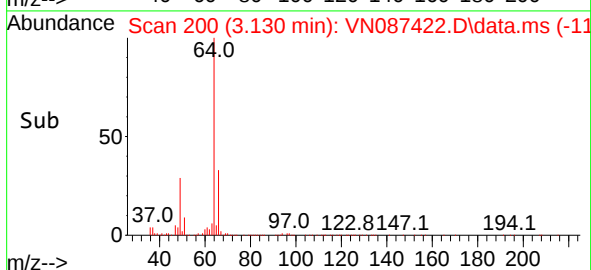
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

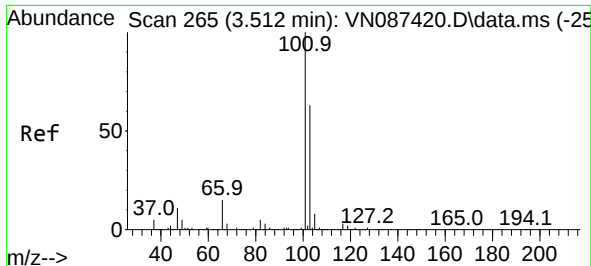


#6
Chloroethane
Concen: 72.685 ug/l
RT: 3.130 min Scan# 200
Delta R.T. -0.012 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



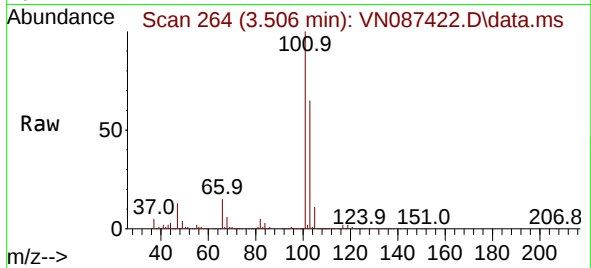
Tgt Ion: 64 Resp: 349927
Ion Ratio Lower Upper
64 100
66 33.2 31.4 47.2





#7
 Trichlorofluoromethane
 Concen: 74.501 ug/l
 RT: 3.506 min Scan# 265
 Delta R.T. -0.006 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48

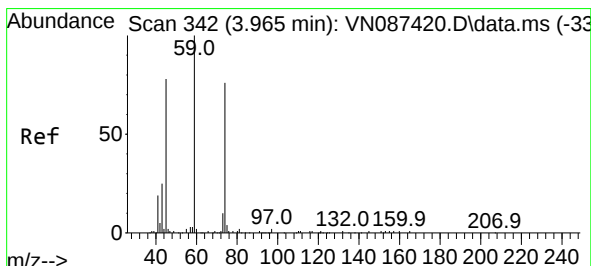
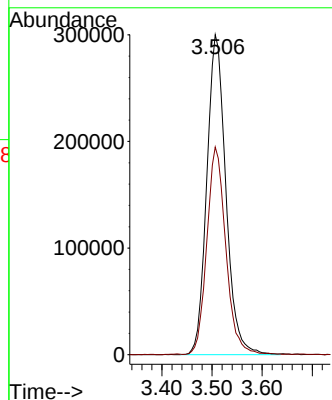
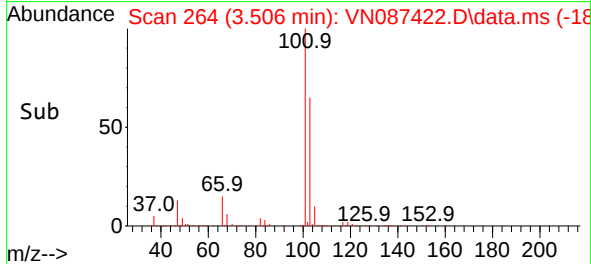
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion:101 Resp: 793694
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.7 80.5

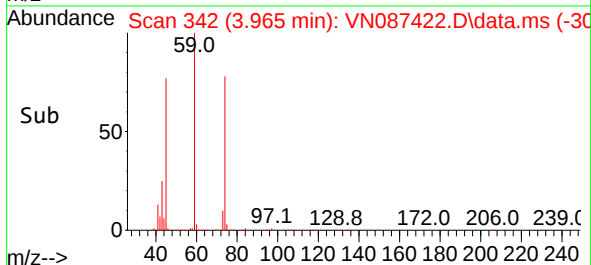
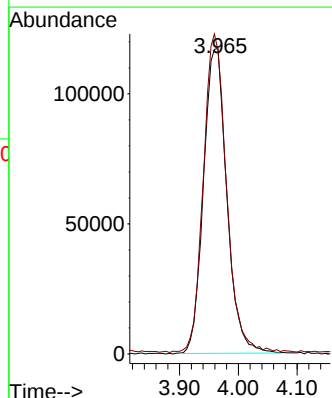
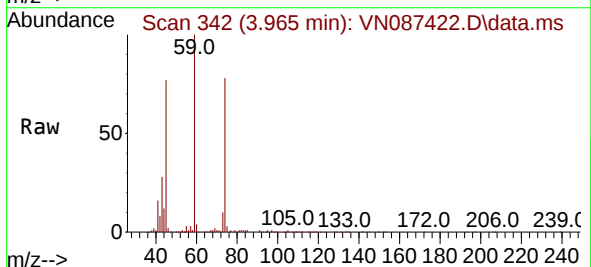
Manual Integrations
 APPROVED

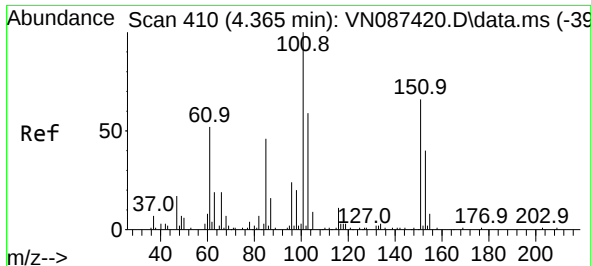
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#8
 Diethyl Ether
 Concen: 76.198 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48

Tgt Ion: 74 Resp: 323135
 Ion Ratio Lower Upper
 74 100
 45 102.1 21.4 192.8





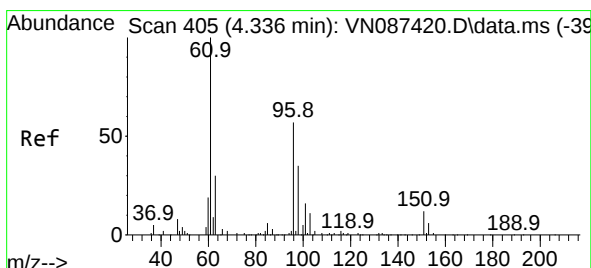
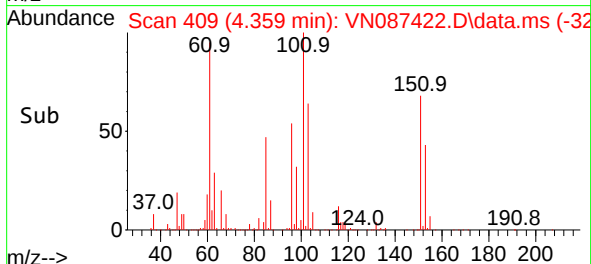
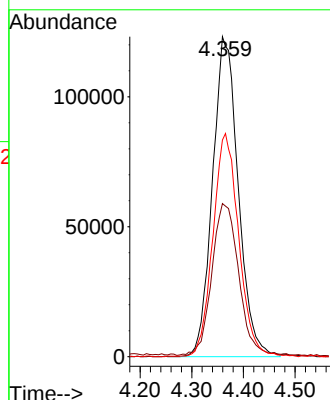
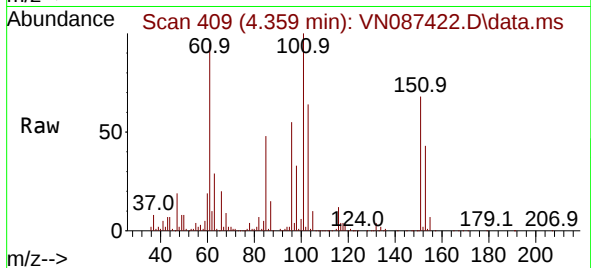
#9
1,1,2-Trichlorotrifluoroethane
Concen: 75.403 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 42571
Ion Ratio Lower Upper
101 100
85 49.3 0.0 94.8
151 69.0 0.0 64.8

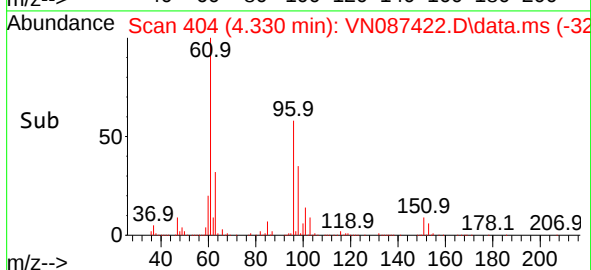
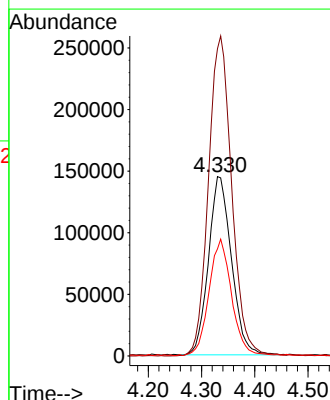
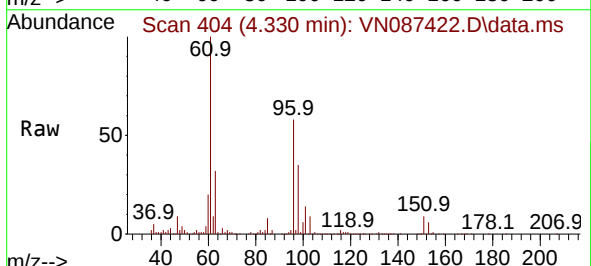
Manual Integrations
APPROVED

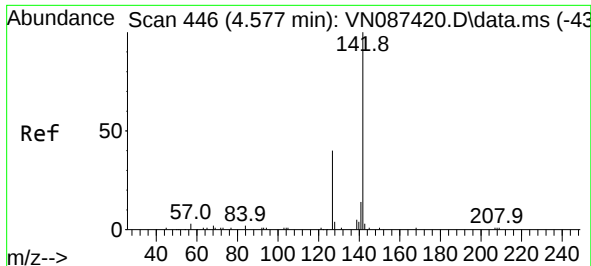
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#10
1,1-Dichloroethene
Concen: 74.042 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

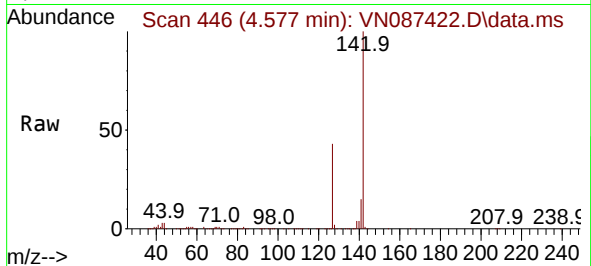
Tgt Ion: 96 Resp: 433995
Ion Ratio Lower Upper
96 100
61 172.0 131.8 197.8
98 59.4 43.0 64.4





#11
Methyl Iodide
Concen: 113.720 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

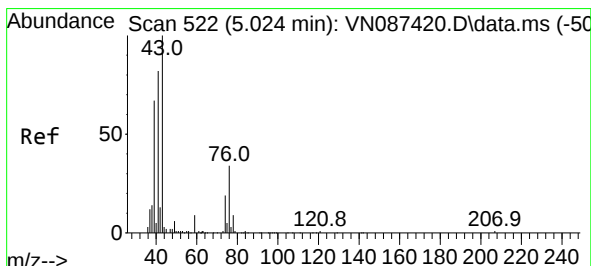
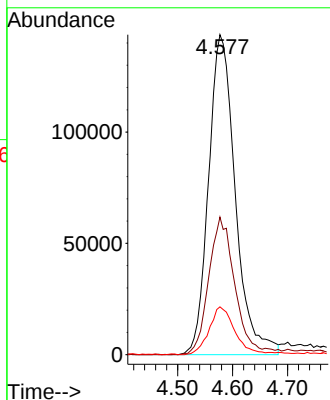
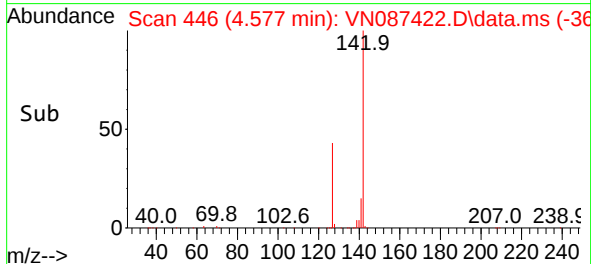
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:142 Resp: 486244
Ion Ratio Lower Upper
142 100
127 42.8 27.7 83.0
141 14.8 7.2 21.6

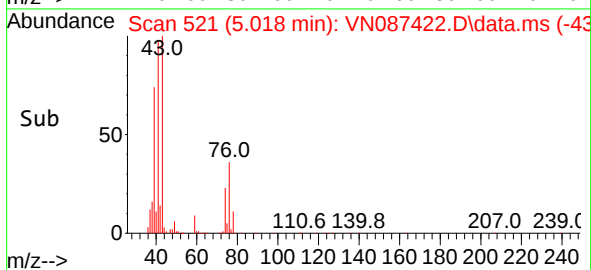
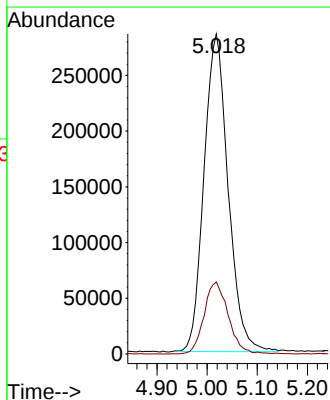
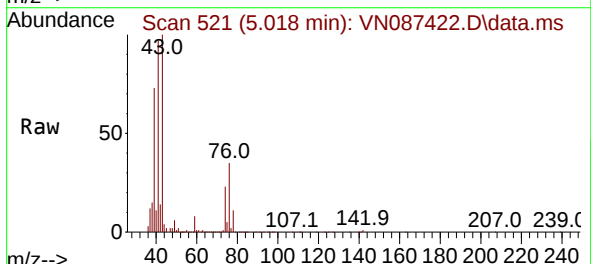
Manual Integrations
APPROVED

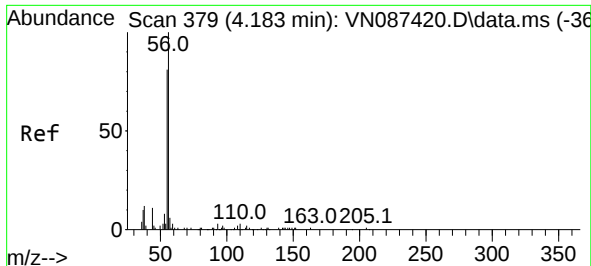
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#12
Methyl Acetate
Concen: 125.248 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 43 Resp: 954898
Ion Ratio Lower Upper
43 100
74 22.7 16.9 25.3





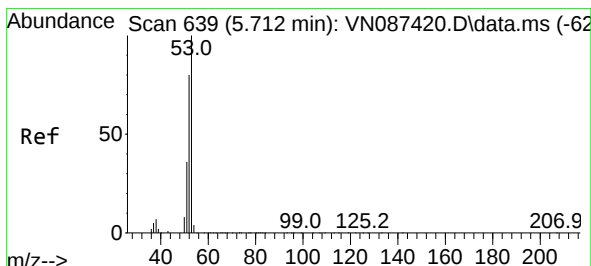
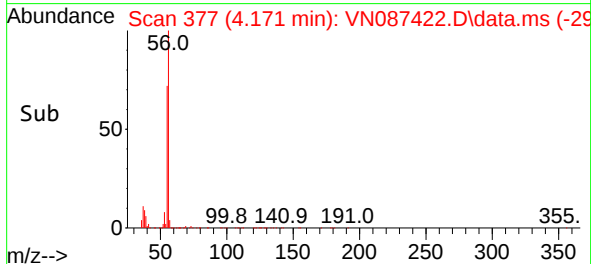
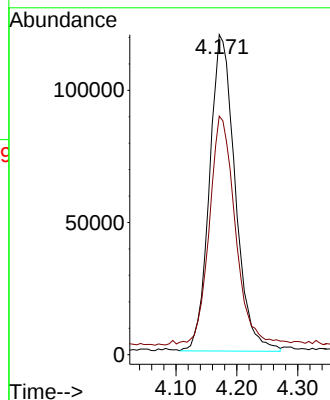
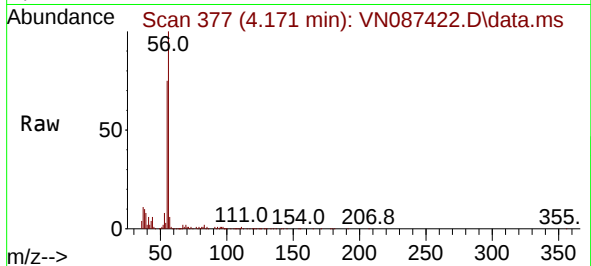
#13
Acrolein
Concen: 253.109 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 350819
Ion Ratio Lower Upper
56 100
55 71.5 56.8 85.2

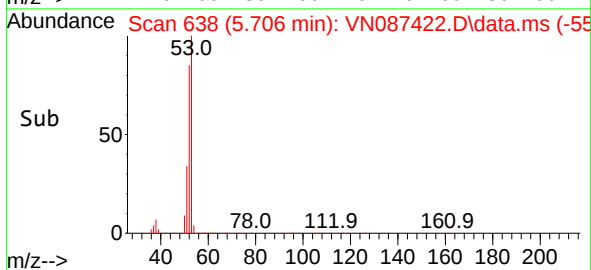
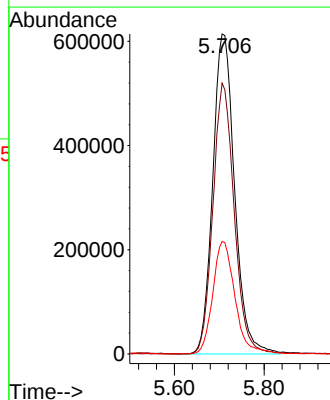
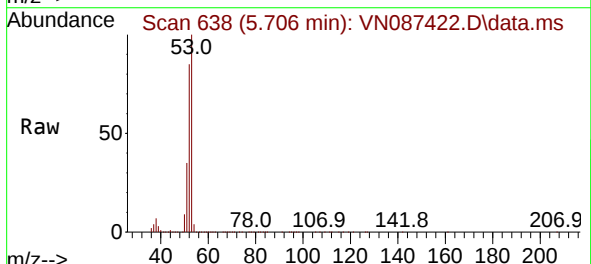
Manual Integrations
APPROVED

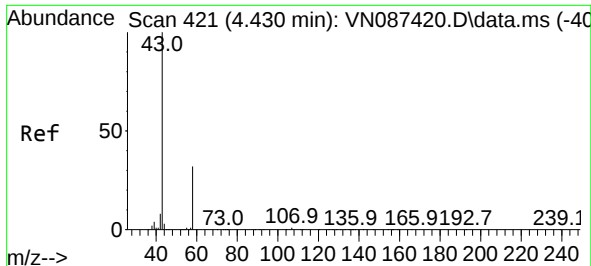
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#14
Acrylonitrile
Concen: 596.728 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

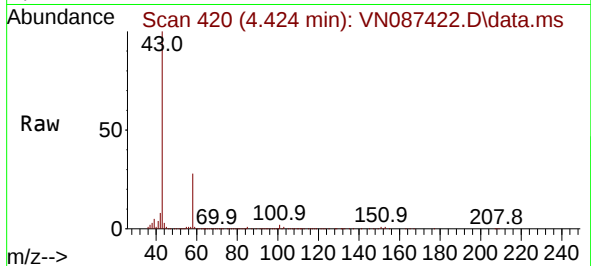
Tgt Ion: 53 Resp: 2077657
Ion Ratio Lower Upper
53 100
52 82.2 41.5 124.6
51 35.5 19.4 58.4





#15
Acetone
Concen: 353.016 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

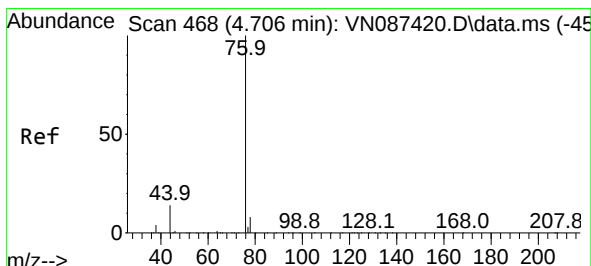
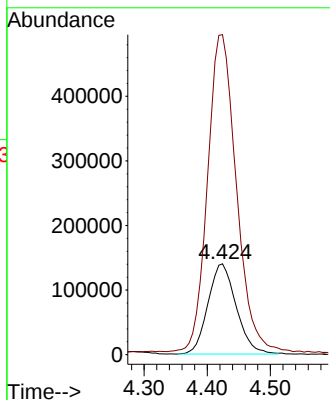
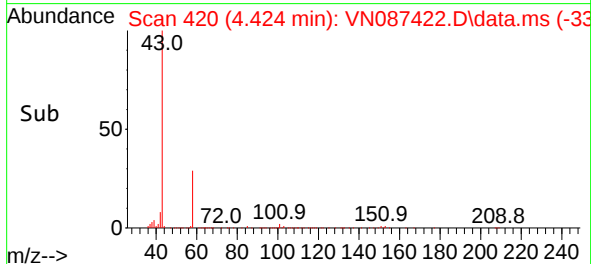
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



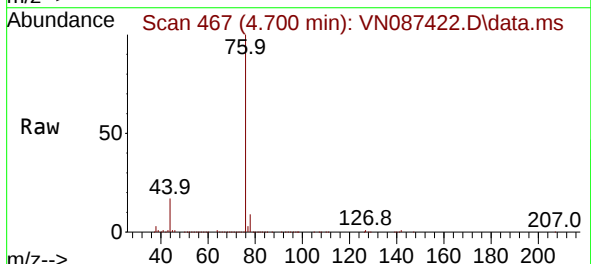
Tgt Ion: 58 Resp: 433944
Ion Ratio Lower Upper
58 100
43 349.4 283.4 425.0

Manual Integrations
APPROVED

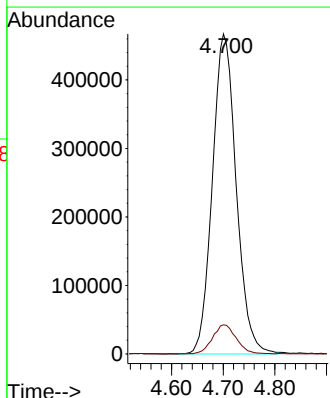
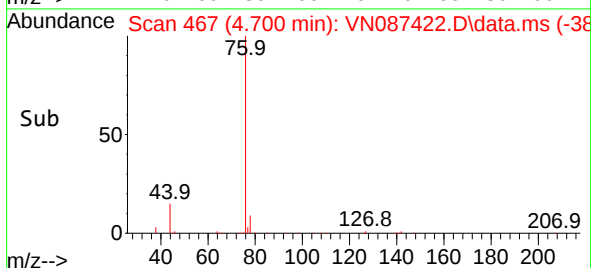
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

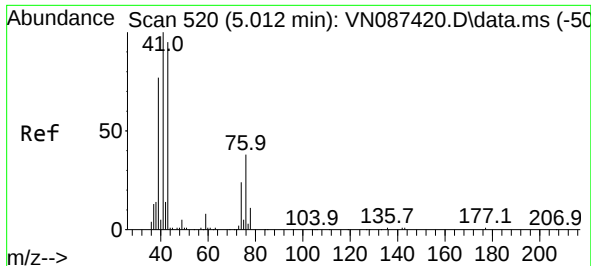


#16
Carbon Disulfide
Concen: 98.830 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



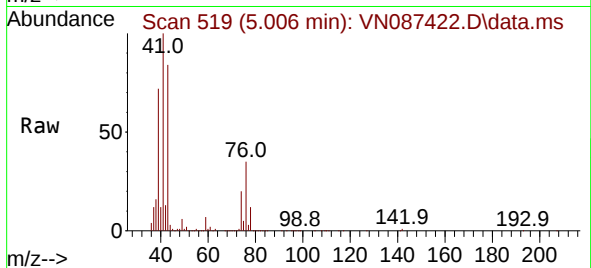
Tgt Ion: 76 Resp: 1496049
Ion Ratio Lower Upper
76 100
78 9.0 6.6 10.0





#17
Allyl chloride
Concen: 127.090 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.012 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

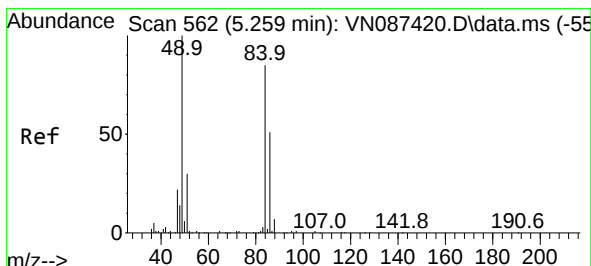
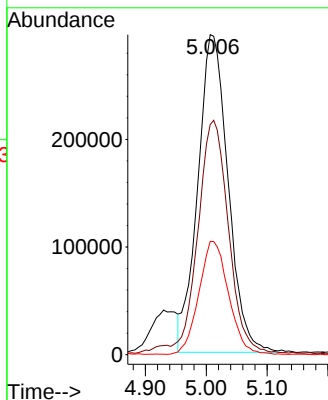
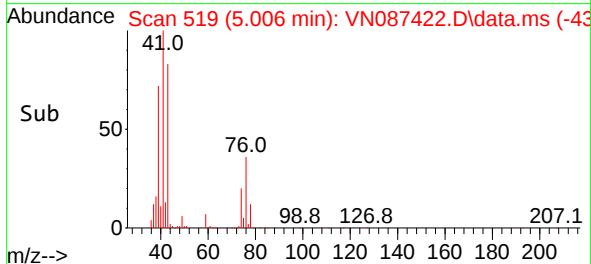
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 1020490
Ion Ratio Lower Upper
41 100
39 72.0 42.9 128.7
76 35.6 19.8 59.4

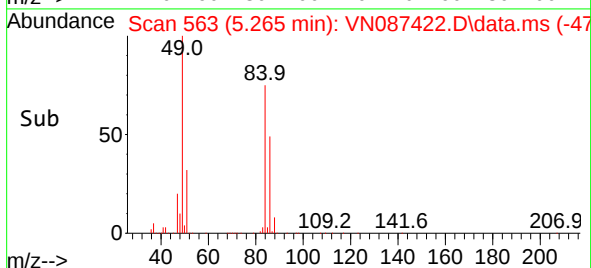
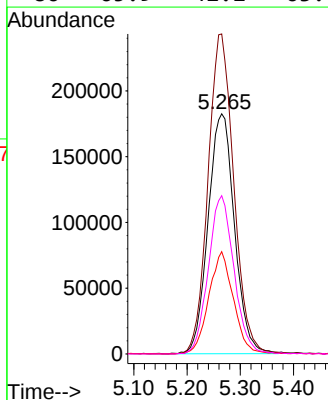
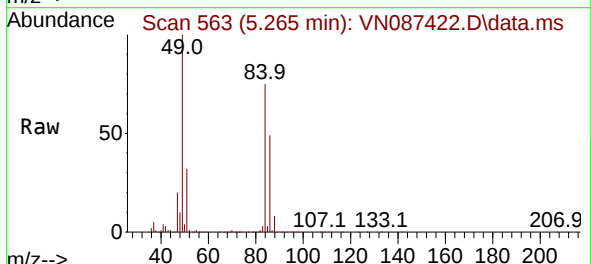
Manual Integrations
APPROVED

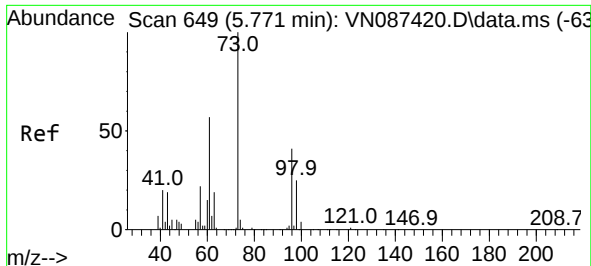
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#18
Methylene Chloride
Concen: 105.620 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

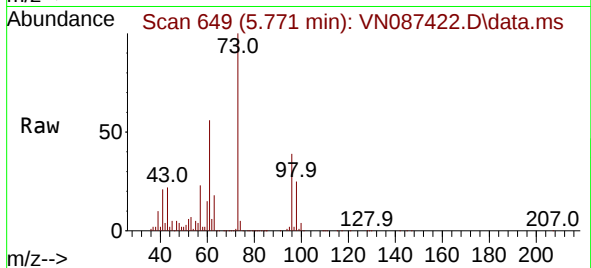
Tgt Ion: 84 Resp: 626560
Ion Ratio Lower Upper
84 100
49 133.3 88.4 132.6#
51 42.4 27.3 40.9#
86 65.9 42.2 63.4#





#19
trans-1,2-Dichloroethene
Concen: 102.109 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

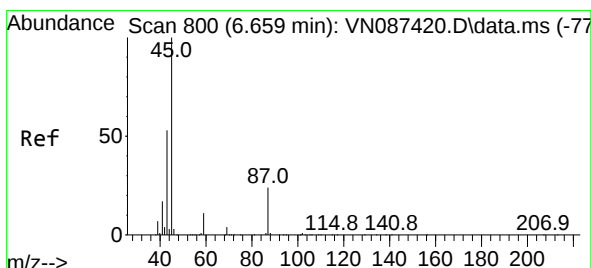
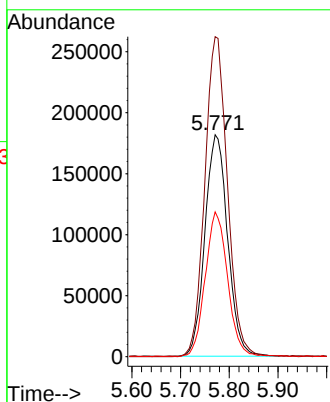
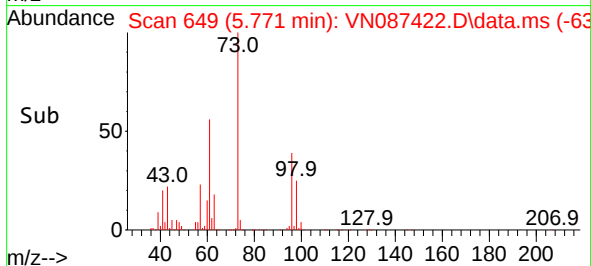
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 58776
Ion Ratio Lower Upper
96 100
61 144.5 101.7 152.5
98 65.2 48.2 72.4

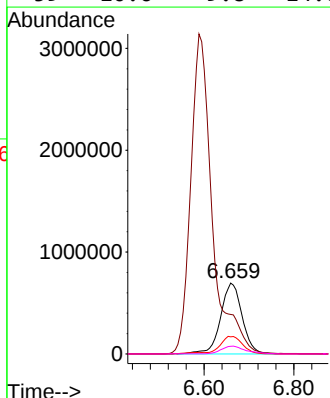
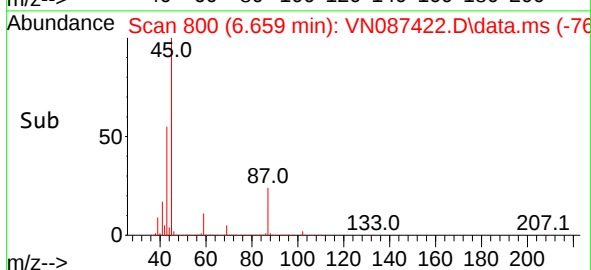
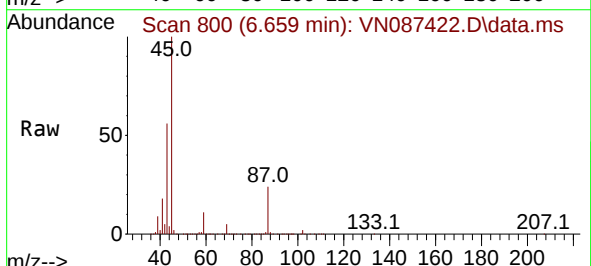
Manual Integrations
APPROVED

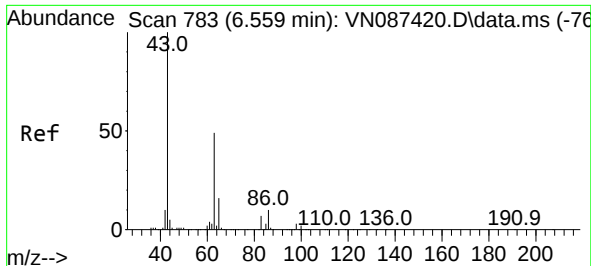
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#20
Diisopropyl ether
Concen: 114.243 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 45 Resp: 2319645
Ion Ratio Lower Upper
45 100
43 55.0 46.0 69.0
87 24.0 23.4 35.2
59 10.6 9.8 14.6





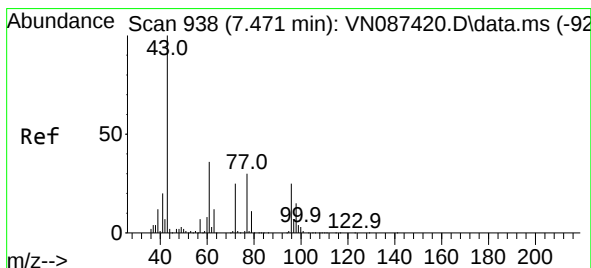
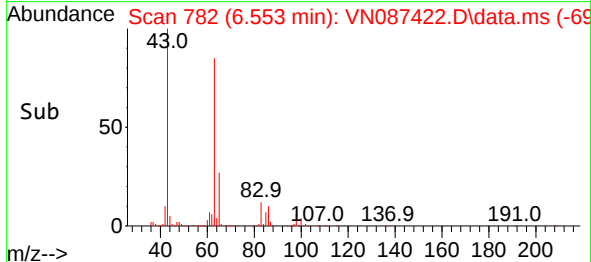
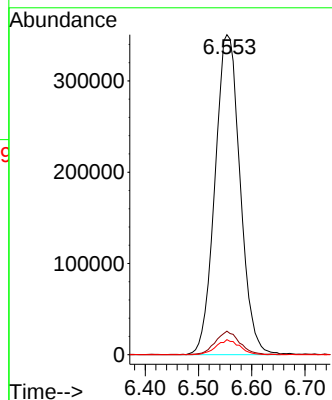
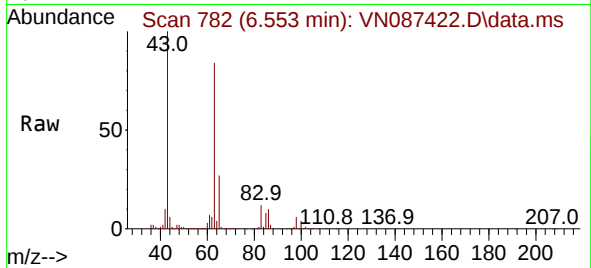
#21
1,1-Dichloroethane
Concen: 105.923 ug/l
RT: 6.553 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 1148735
Ion Ratio Lower Upper
63 100
98 7.3 2.9 8.6
100 4.7 3.6 10.8

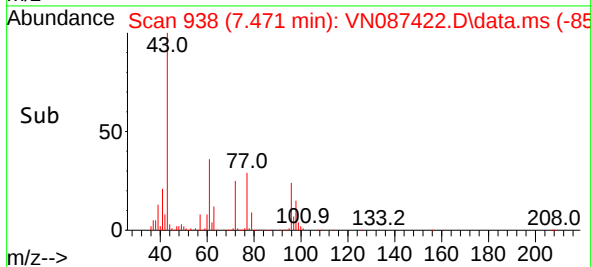
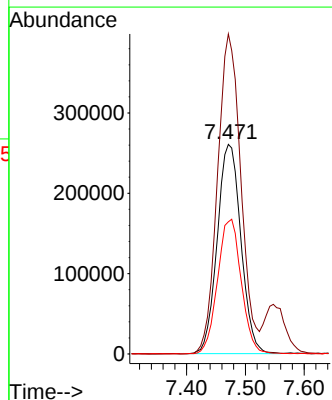
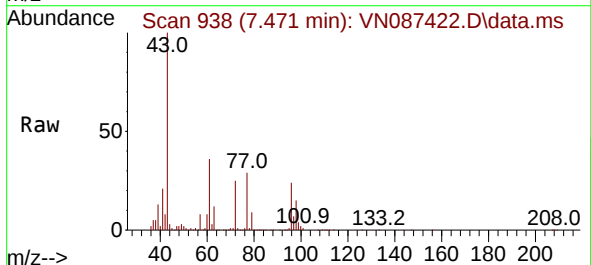
Manual Integrations
APPROVED

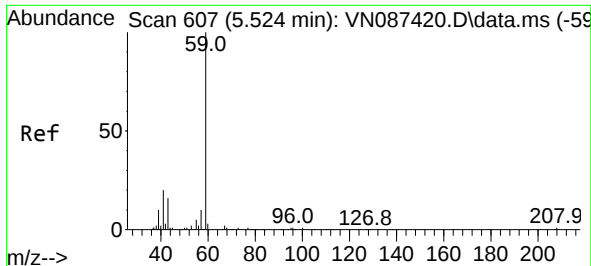
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#22
cis-1,2-Dichloroethene
Concen: 108.078 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

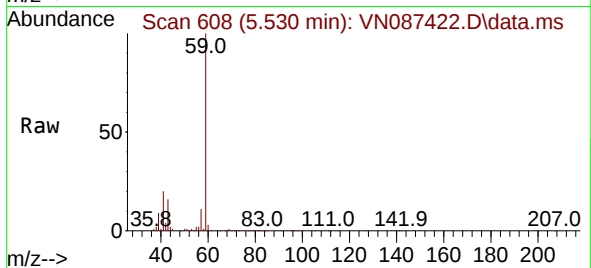
Tgt Ion: 96 Resp: 728725
Ion Ratio Lower Upper
96 100
61 151.1 120.4 180.6
98 64.4 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 666.166 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

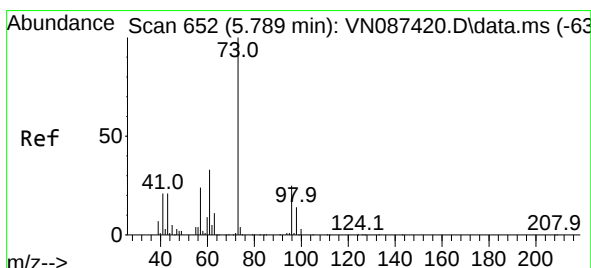
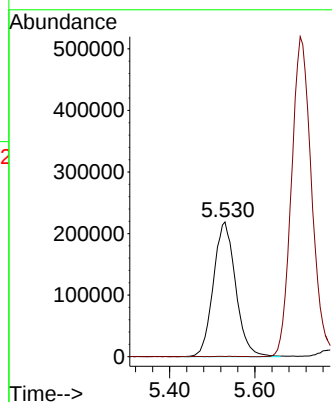
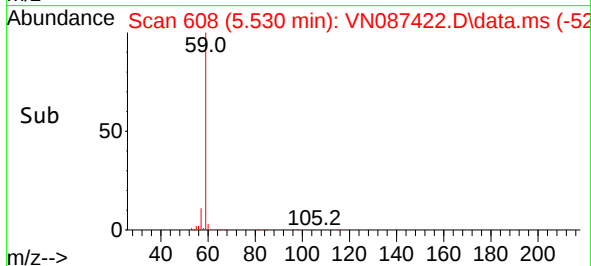
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 59 Resp: 794923
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

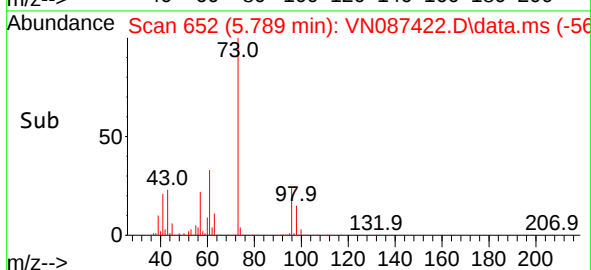
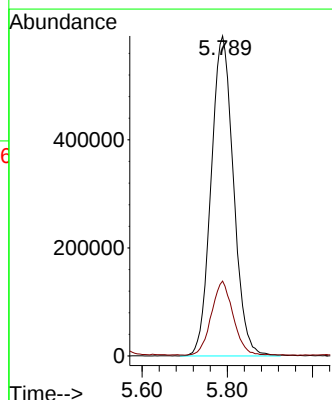
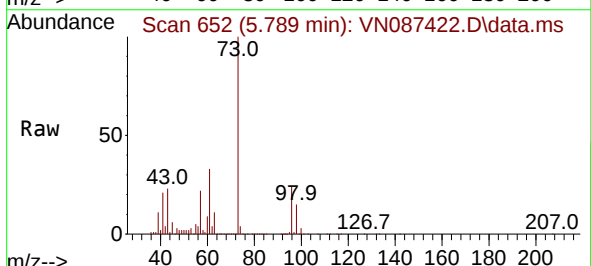
Manual Integrations
APPROVED

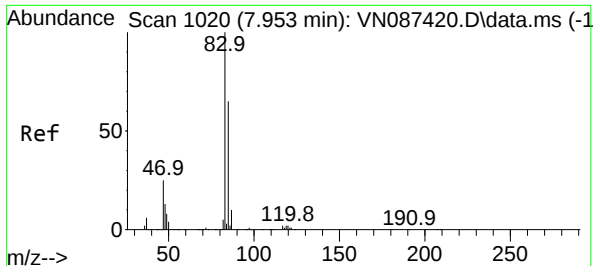
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#24
Methyl tert-Butyl Ether
Concen: 114.193 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 73 Resp: 2163043
Ion Ratio Lower Upper
73 100
43 22.5 17.7 26.5





#25

Chloroform

Concen: 97.966 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VN087422.D

Acq: 28 Jul 2025 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1163610

Ion Ratio Lower Upper

83 100

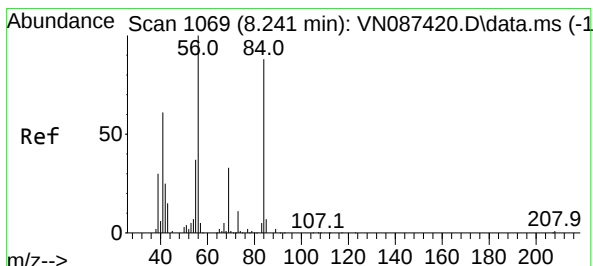
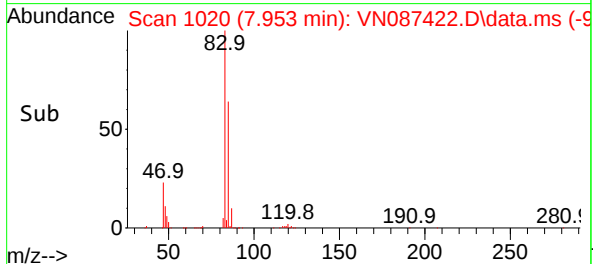
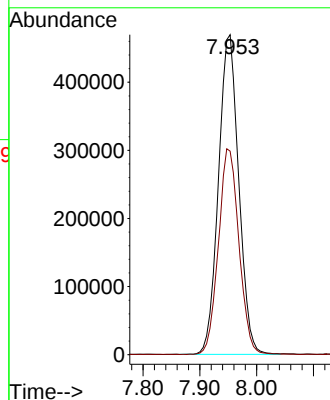
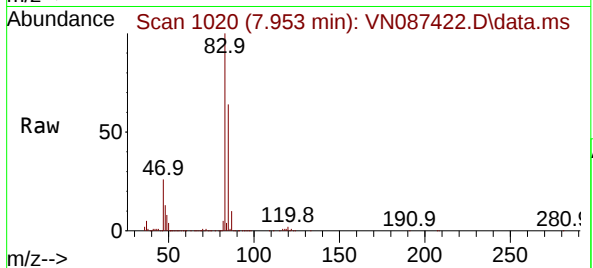
85 63.6 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#26

Cyclohexane

Concen: 129.837 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087422.D

Acq: 28 Jul 2025 10:48

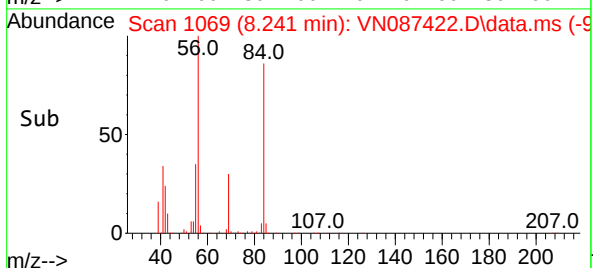
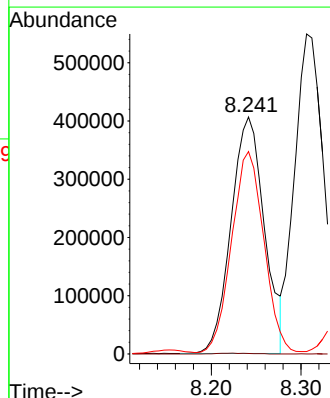
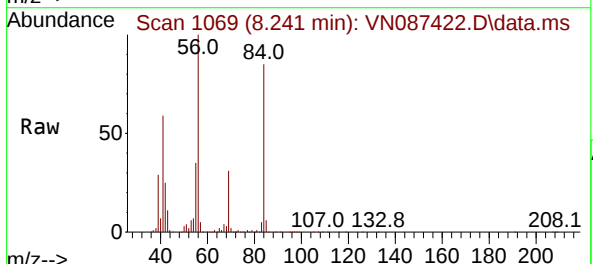
Tgt Ion: 56 Resp: 1049726

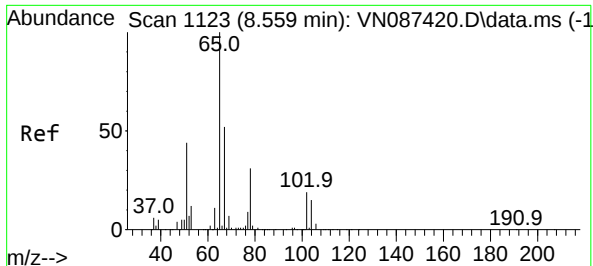
Ion Ratio Lower Upper

56 100

89 0.2 1.5 2.3#

84 83.3 71.2 106.8





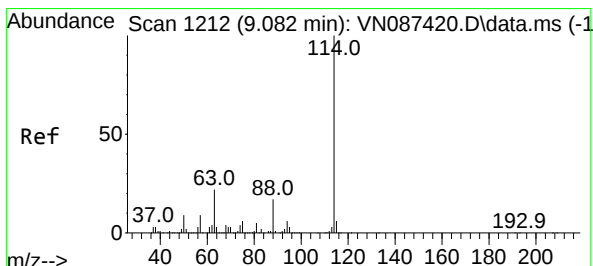
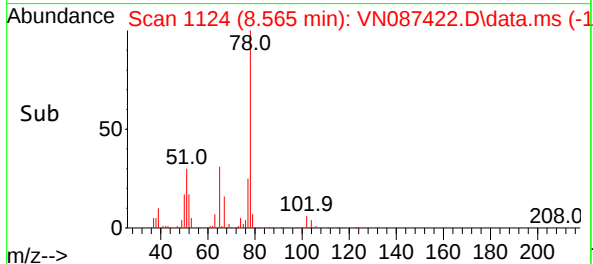
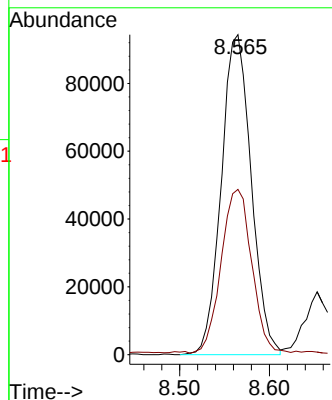
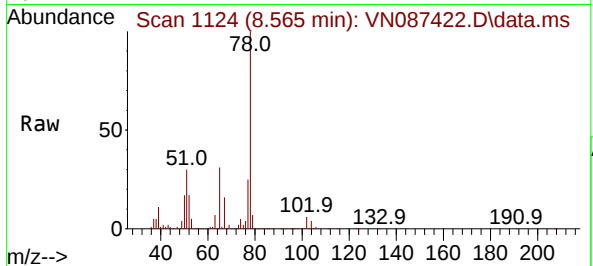
#27
1,2-Dichloroethane-d4
Concen: 28.365 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 65 Resp: 21878
Ion Ratio Lower Upper
65 100
67 52.2 40.2 60.4

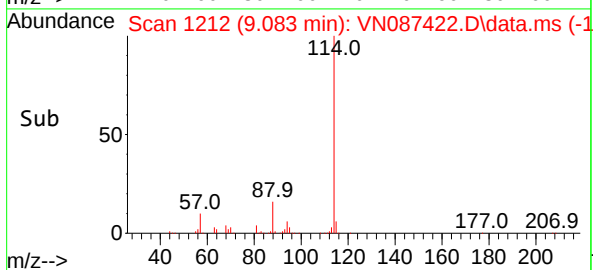
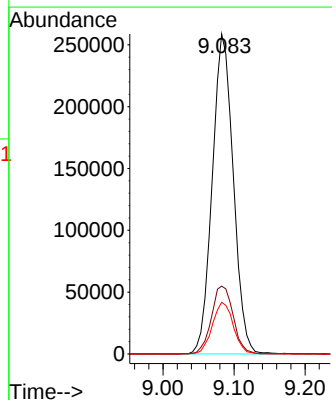
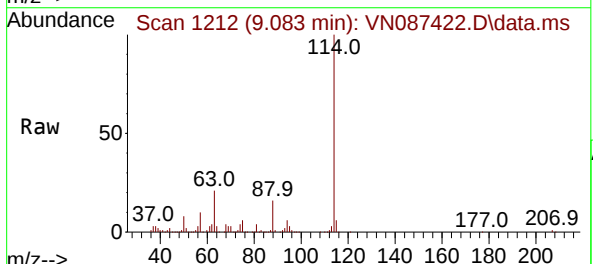
Manual Integrations
APPROVED

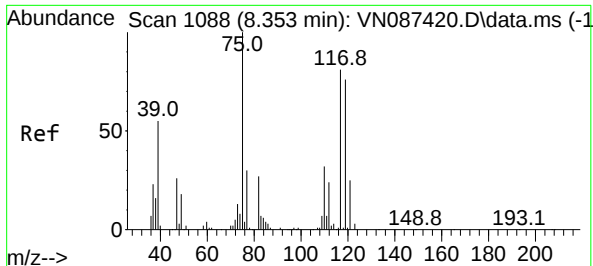
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion:114 Resp: 531248
Ion Ratio Lower Upper
114 100
63 21.9 16.8 25.2
88 16.1 12.5 18.7





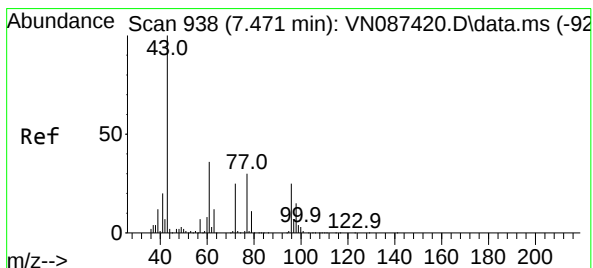
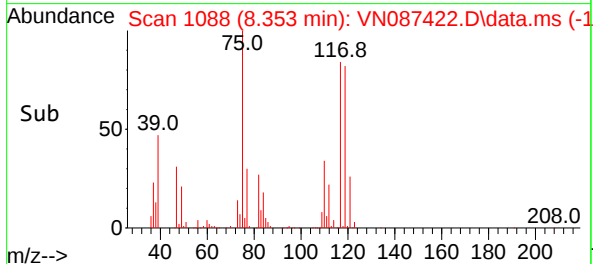
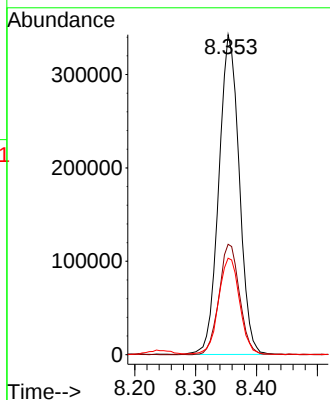
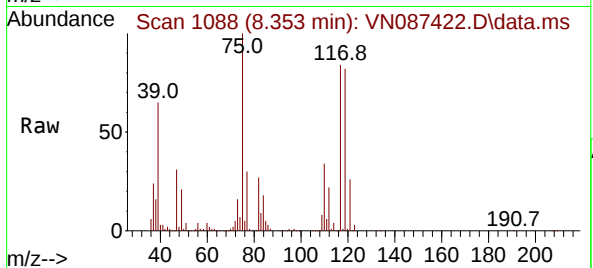
#29
1,1-Dichloropropene
Concen: 87.909 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 796788
Ion Ratio Lower Upper
75 100
110 34.9 0.0 66.4
77 30.7 0.0 61.6

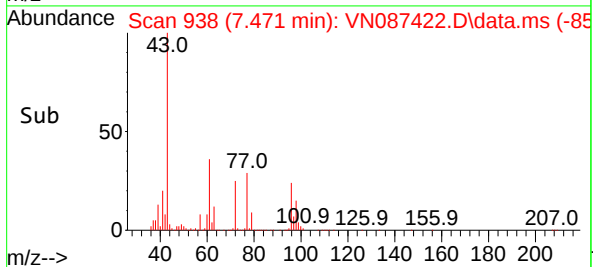
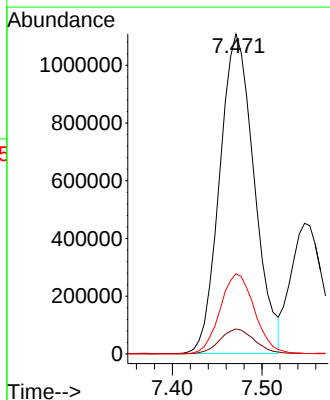
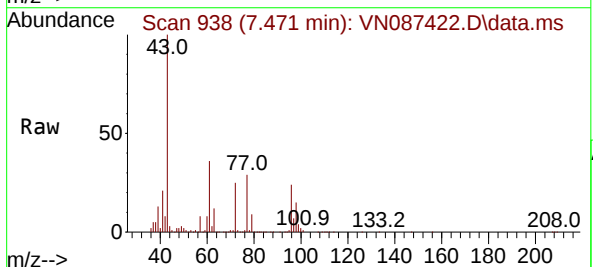
Manual Integrations
APPROVED

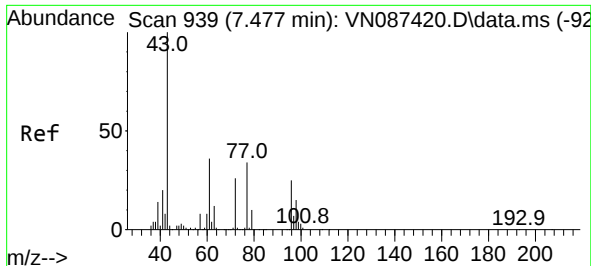
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#30
2-Butanone
Concen: 479.493 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 43 Resp: 2959770
Ion Ratio Lower Upper
43 100
57 7.8 6.6 9.8
72 25.2 20.6 30.8





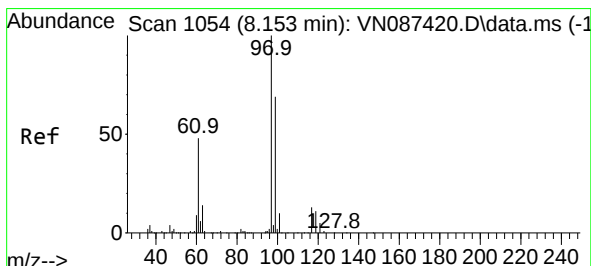
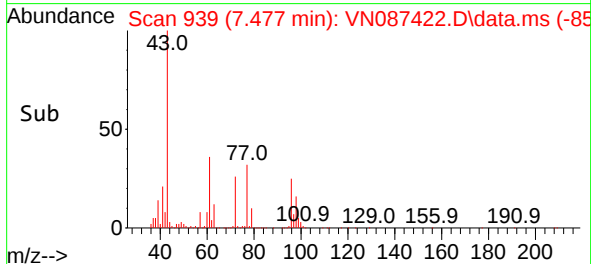
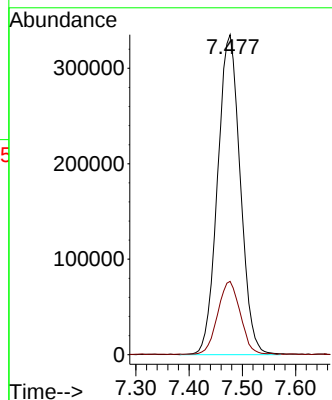
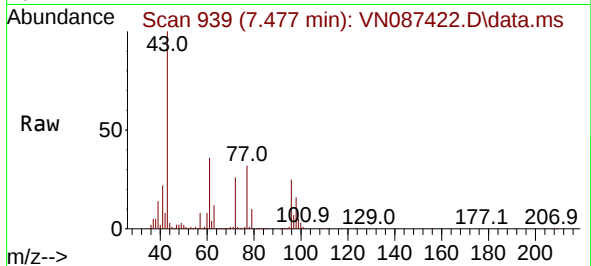
#31
2,2-Dichloropropane
Concen: 83.246 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 77 Resp: 99089
Ion Ratio Lower Upper
77 100
97 22.7 17.1 25.7

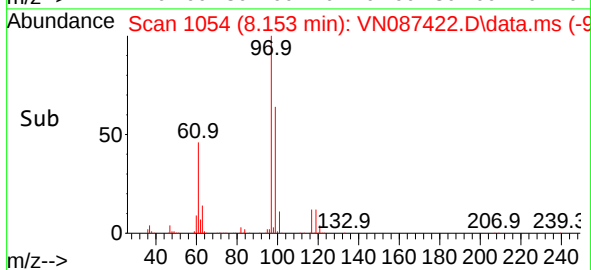
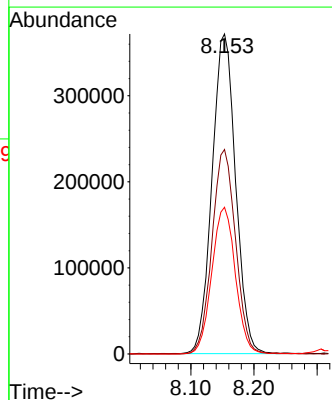
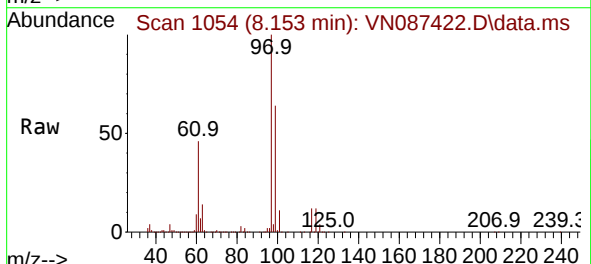
Manual Integrations
APPROVED

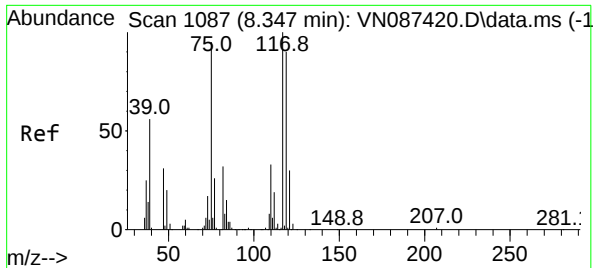
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#32
1,1,1-Trichloroethane
Concen: 81.301 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

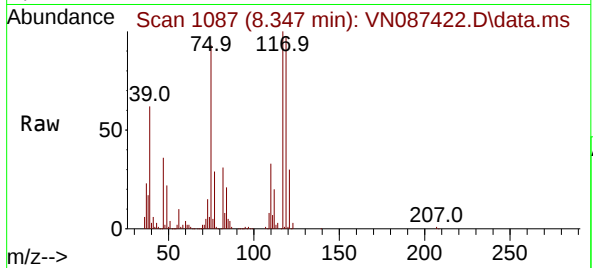
Tgt Ion: 97 Resp: 964437
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 45.9 36.1 54.1





#33
Carbon Tetrachloride
Concen: 77.103 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

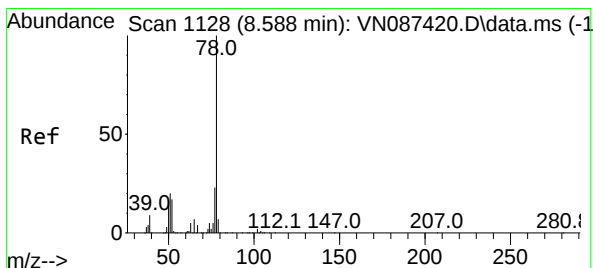
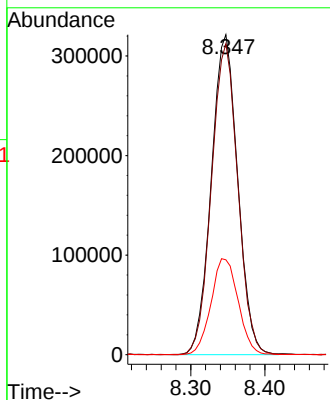
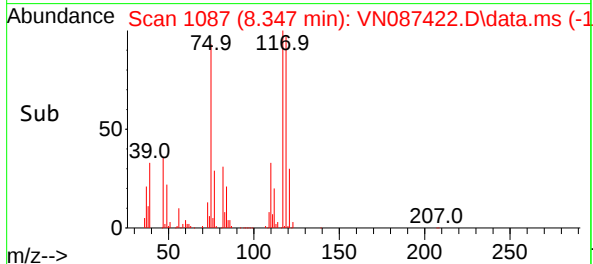
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



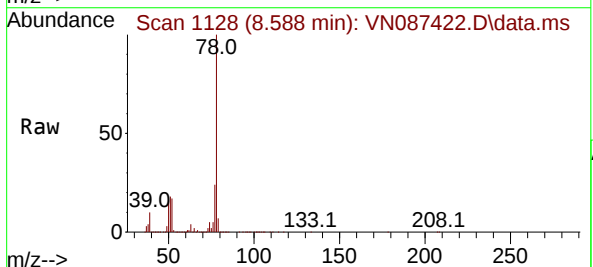
Tgt Ion:117 Resp: 794570
Ion Ratio Lower Upper
117 100
119 97.1 72.7 109.1
121 29.6 21.1 31.7

Manual Integrations
APPROVED

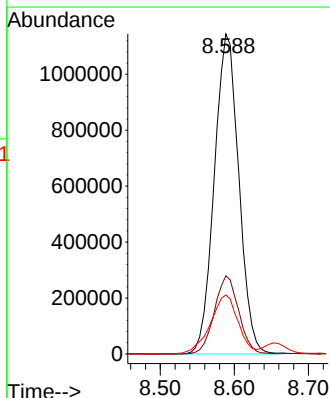
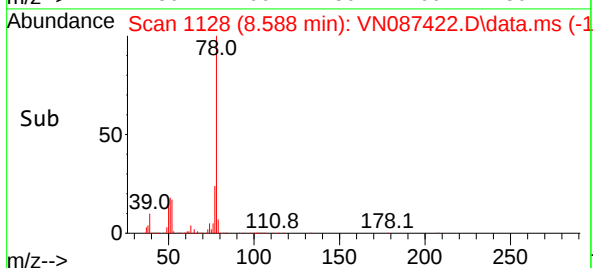
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

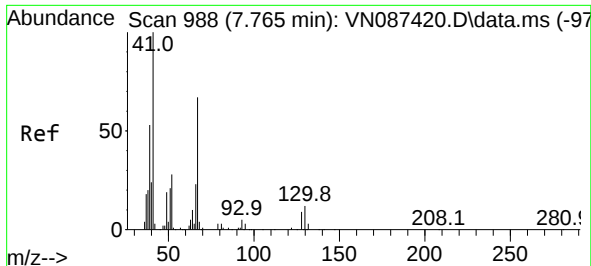


#34
Benzene
Concen: 89.696 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



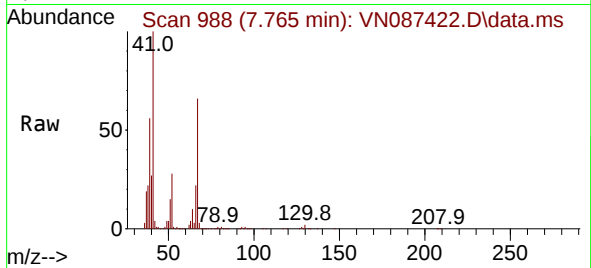
Tgt Ion: 78 Resp: 2625671
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2
51 18.2 13.8 20.8





#35
Methacrylonitrile
Concen: 104.776 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

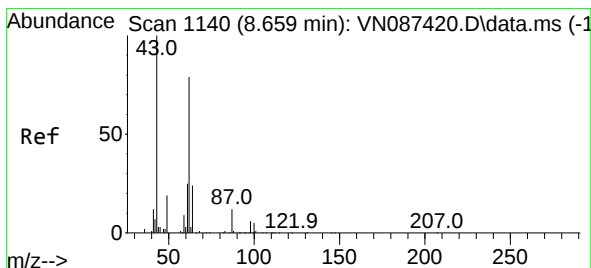
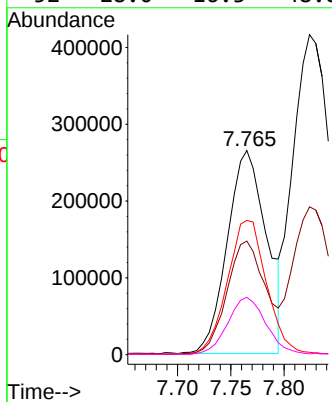
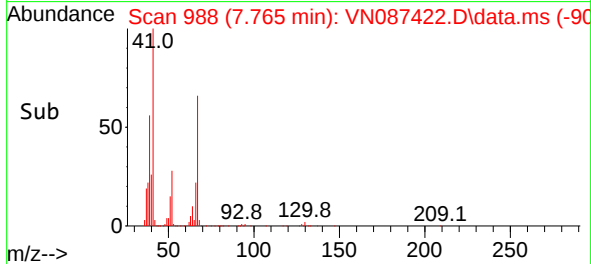
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 680118
Ion Ratio Lower Upper
41 100
39 55.6 31.0 93.0
67 65.8 36.8 110.3
52 28.0 16.3 48.8

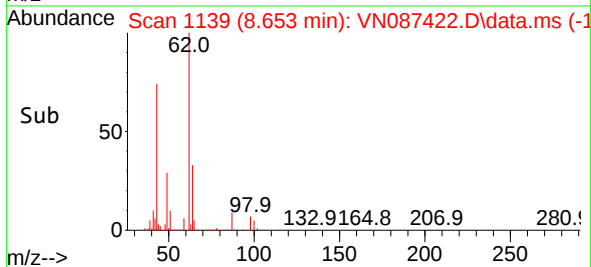
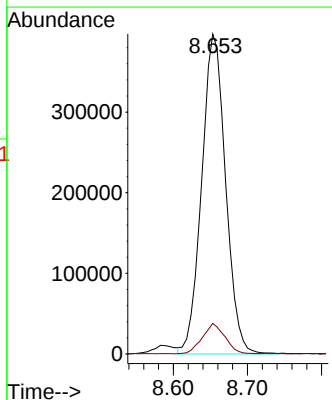
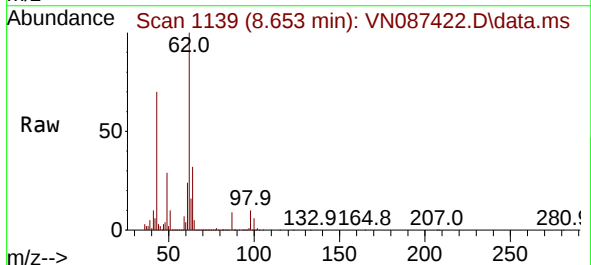
Manual Integrations
APPROVED

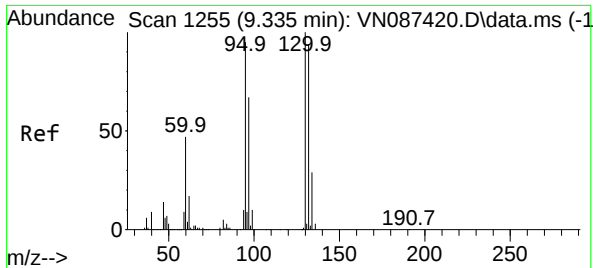
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#36
1,2-Dichloroethane
Concen: 77.100 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 62 Resp: 890375
Ion Ratio Lower Upper
62 100
98 9.0 6.6 9.8





#37

Trichloroethene

Concen: 89.261 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087422.D

Acq: 28 Jul 2025 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:130 Resp: 59630

Ion Ratio Lower Upper

130 100

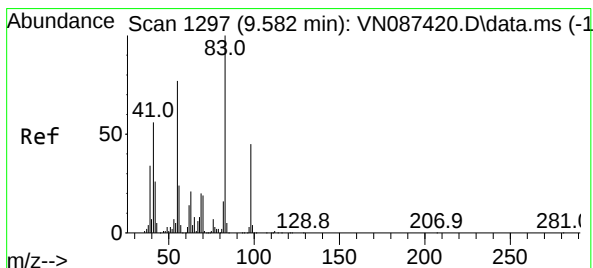
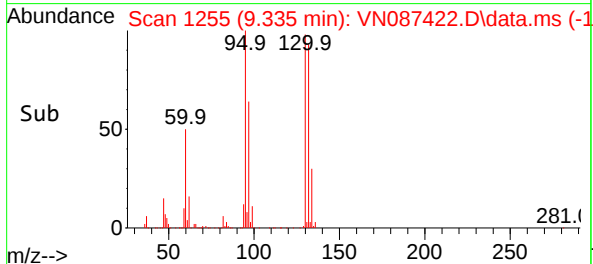
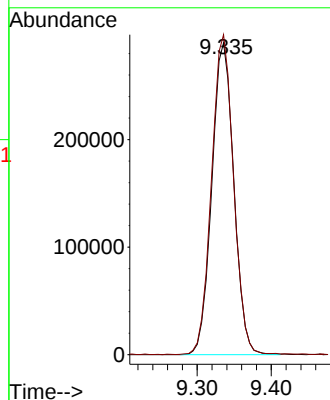
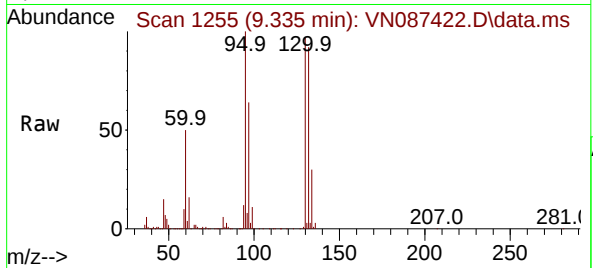
95 102.5 82.4 123.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Methylcyclohexane

Concen: 106.420 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087422.D

Acq: 28 Jul 2025 10:48

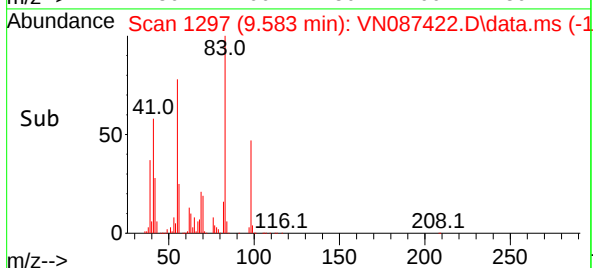
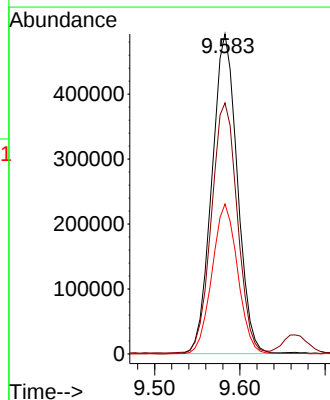
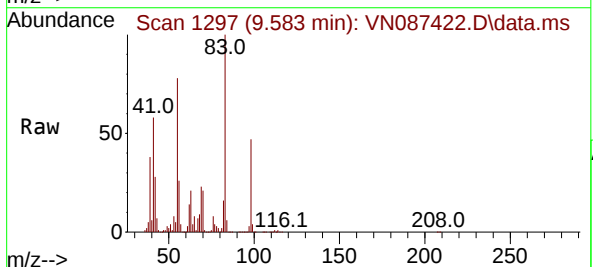
Tgt Ion: 83 Resp: 1019664

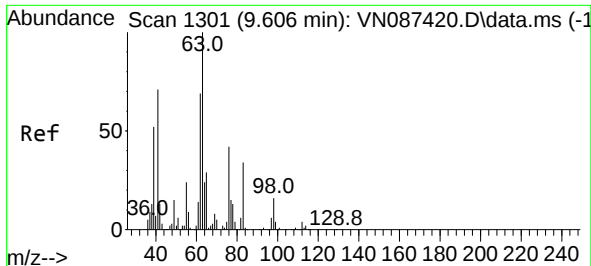
Ion Ratio Lower Upper

83 100

55 79.7 40.9 122.8

98 47.1 25.6 76.6





#39

1,2-Dichloropropane

Concen: 91.298 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN087422.D

Acq: 28 Jul 2025 10:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 67141

Ion Ratio Lower Upper

63 100

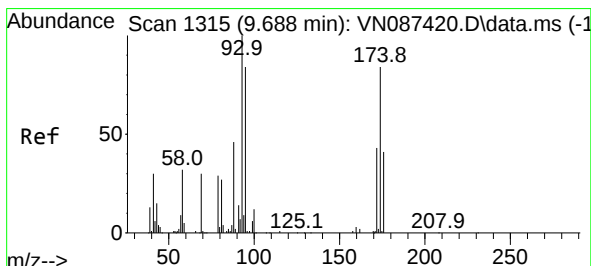
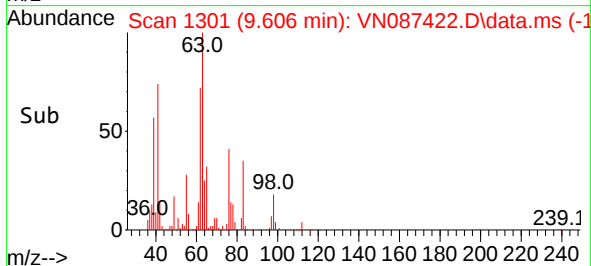
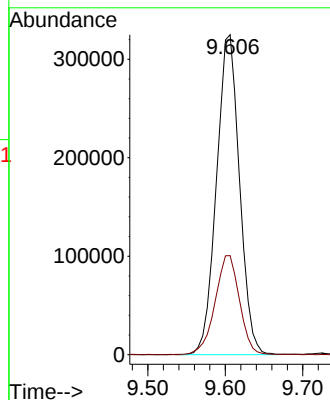
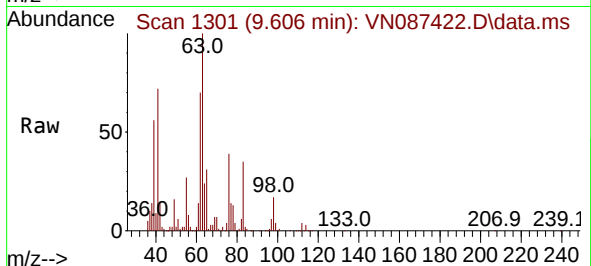
65 30.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#40

Dibromomethane

Concen: 82.625 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087422.D

Acq: 28 Jul 2025 10:48

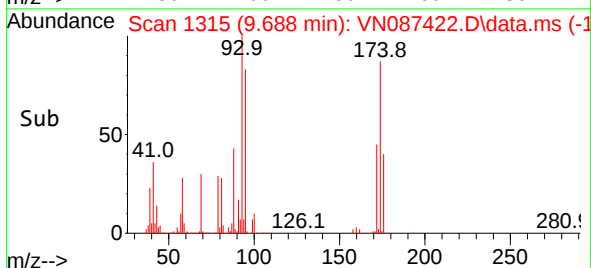
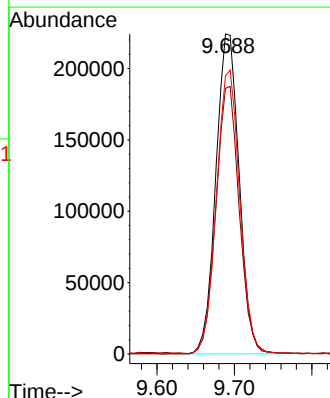
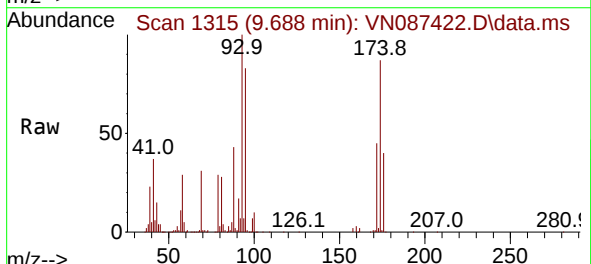
Tgt Ion: 93 Resp: 470115

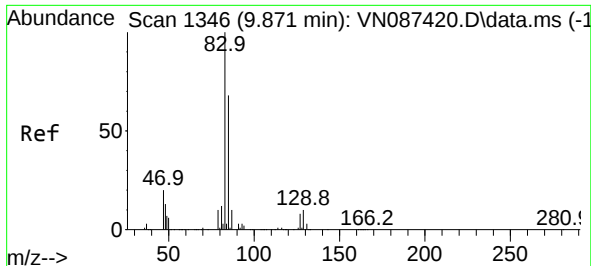
Ion Ratio Lower Upper

93 100

95 83.2 0.0 161.8

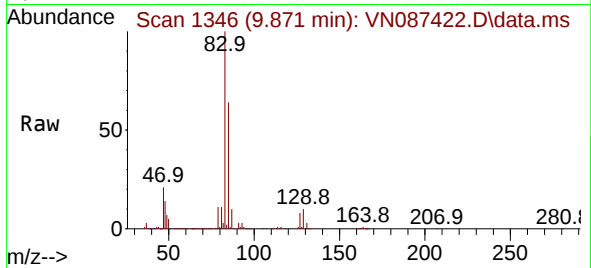
174 88.7 0.0 177.6





#41
Bromodichloromethane
Concen: 84.898 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

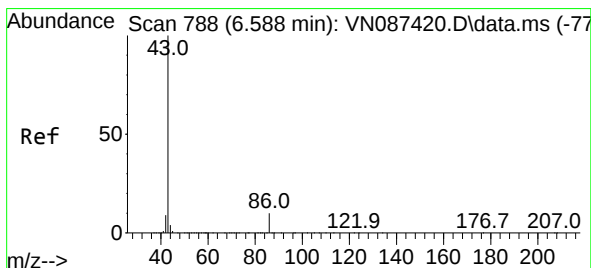
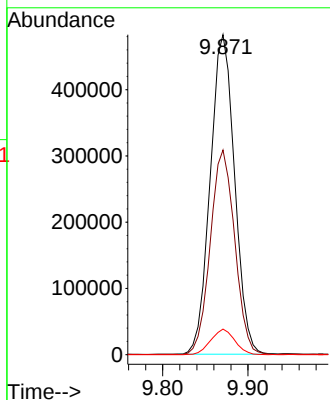
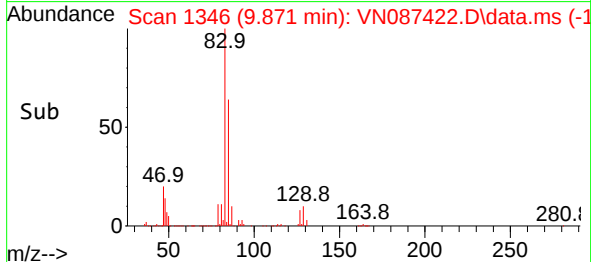
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 95908
Ion Ratio Lower Upper
83 100
85 63.9 46.2 69.2
127 8.0 6.1 9.1

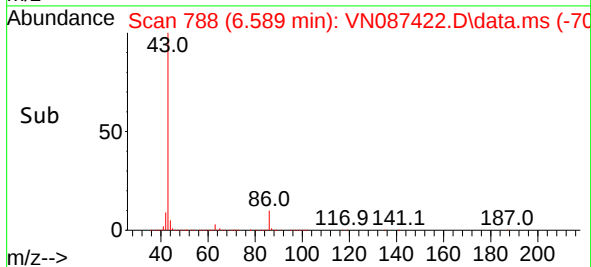
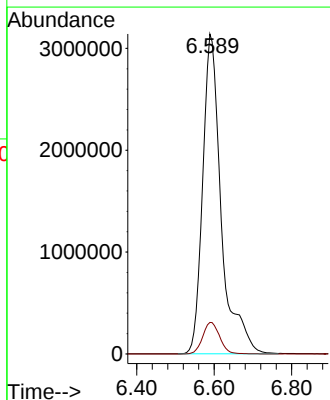
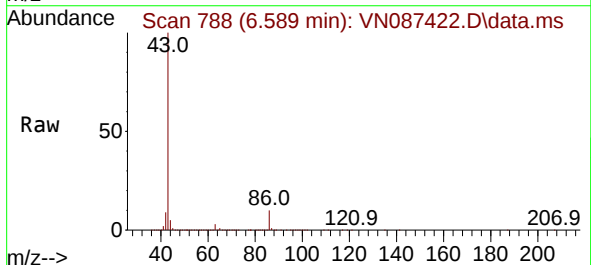
Manual Integrations
APPROVED

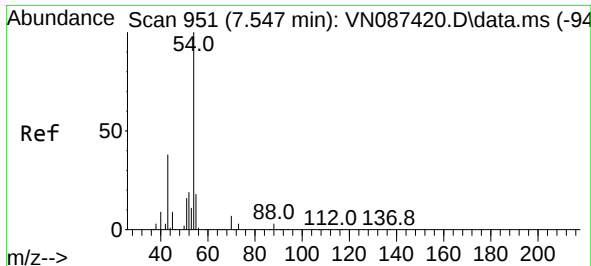
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#42
Vinyl Acetate
Concen: 499.120 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

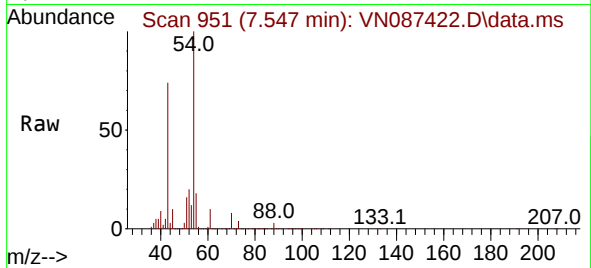
Tgt Ion: 43 Resp:10436640
Ion Ratio Lower Upper
43 100
86 9.0 8.1 12.1





#43
Ethyl Acetate
Concen: 92.488 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

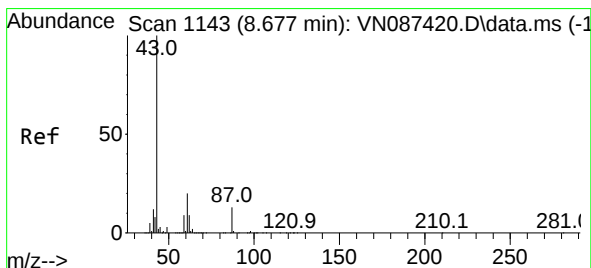
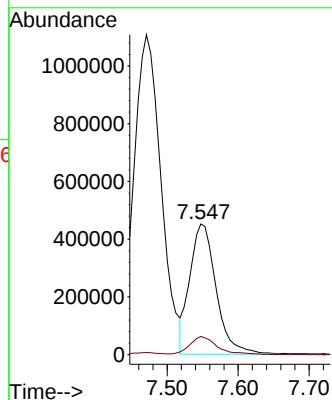
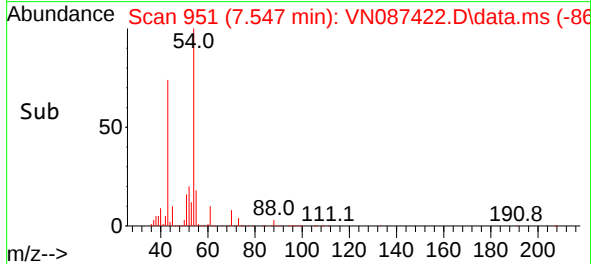
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



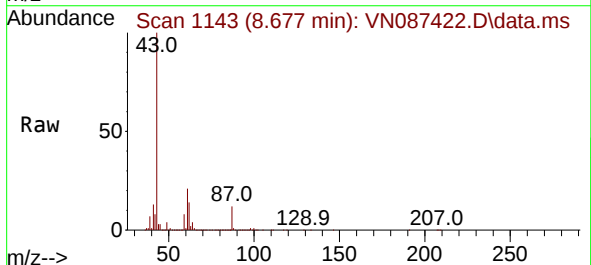
Tgt Ion: 43 Resp: 116223
Ion Ratio Lower Upper
43 100
45 14.6 5.6 8.4

Manual Integrations
APPROVED

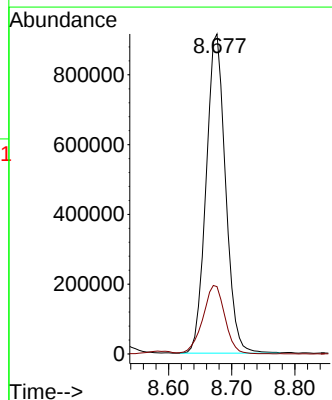
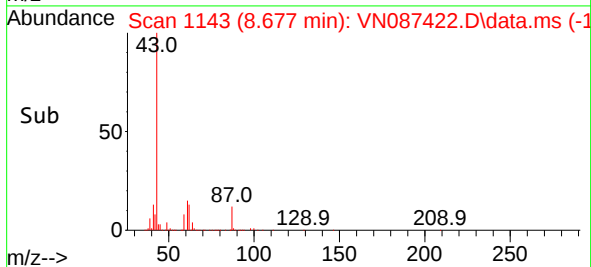
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

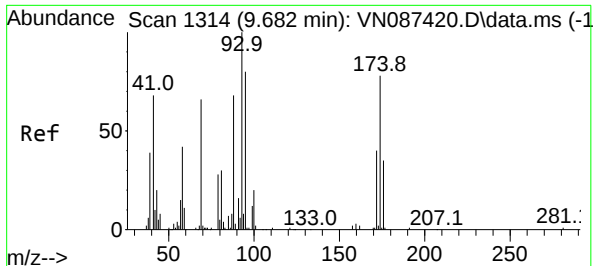


#44
Isopropyl Acetate
Concen: 98.479 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



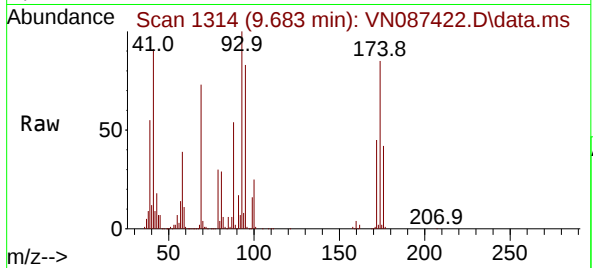
Tgt Ion: 43 Resp: 1953669
Ion Ratio Lower Upper
43 100
61 24.2 20.1 30.1





#45
1,4-Dioxane
Concen: 1978.299 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

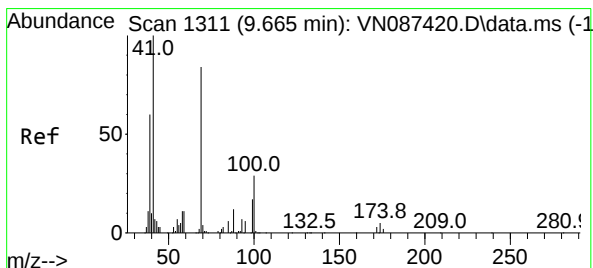
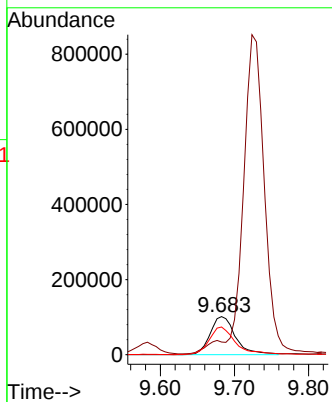
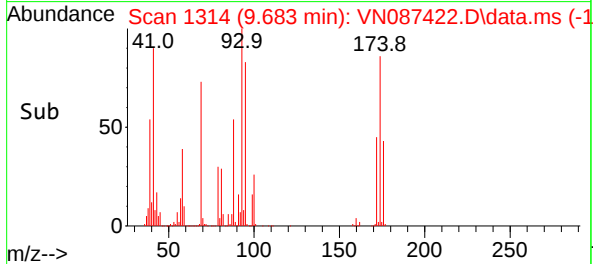
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



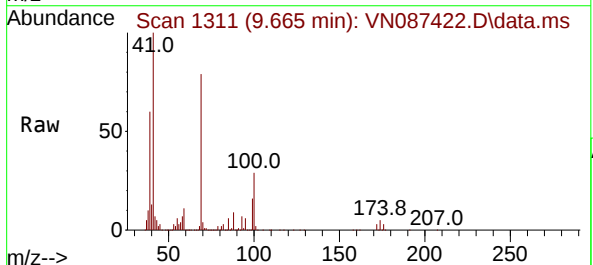
Tgt Ion: 88 Resp: 241800
Ion Ratio Lower Upper
88 100
43 27.4 29.6 44.4
58 74.5 23.5 35.3

Manual Integrations
APPROVED

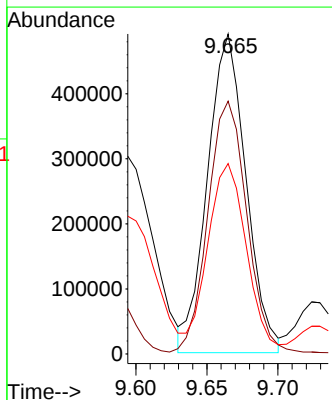
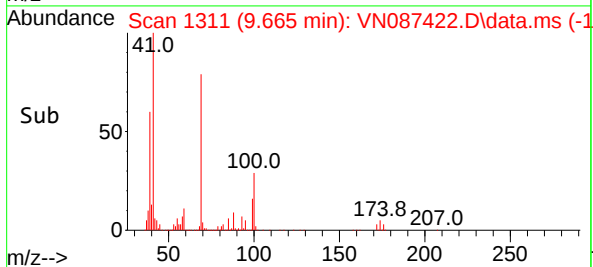
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

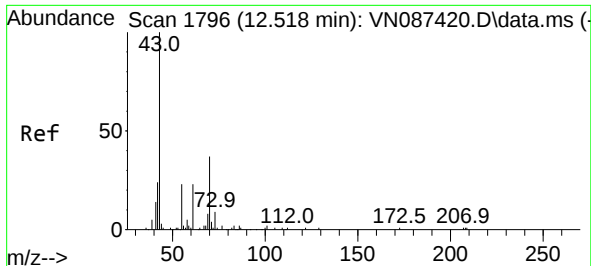


#46
Methyl methacrylate
Concen: 101.115 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



Tgt Ion: 41 Resp: 923751
Ion Ratio Lower Upper
41 100
69 81.3 39.5 118.5
39 59.5 31.6 94.7





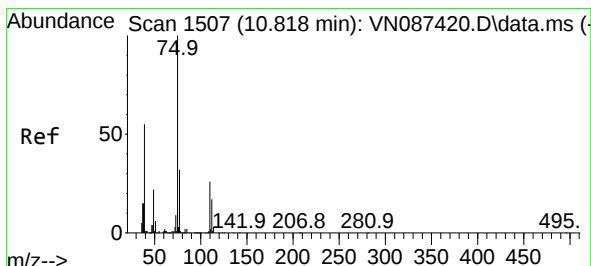
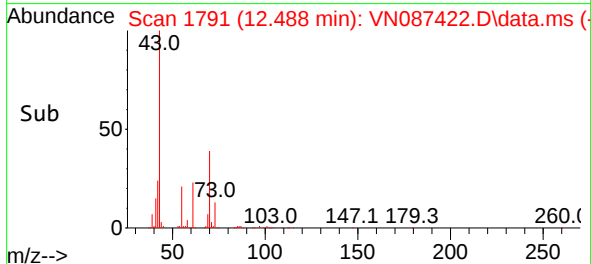
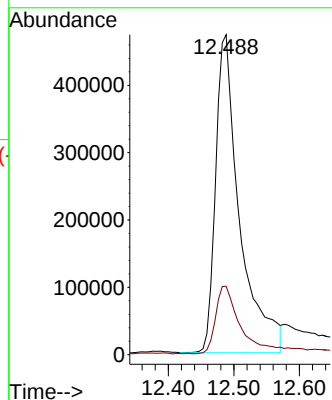
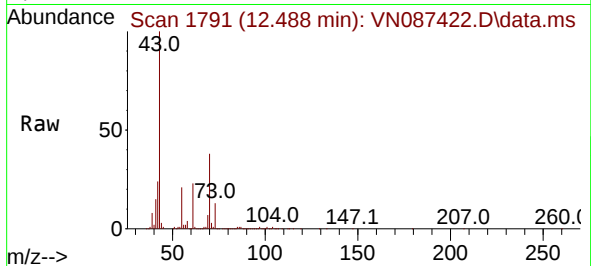
#47
n-amy1 Acetate
Concen: 100.892 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 119946
Ion Ratio Lower Upper
43 100
55 22.0 0.6 0.8

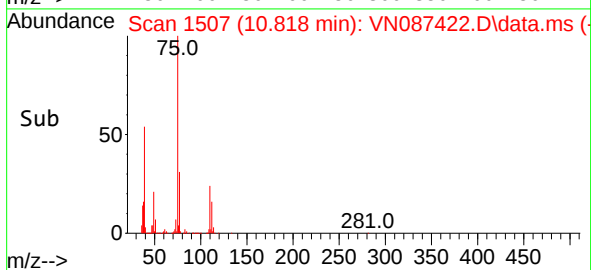
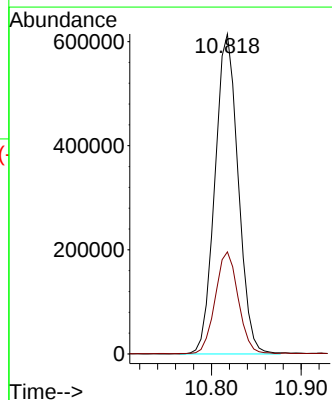
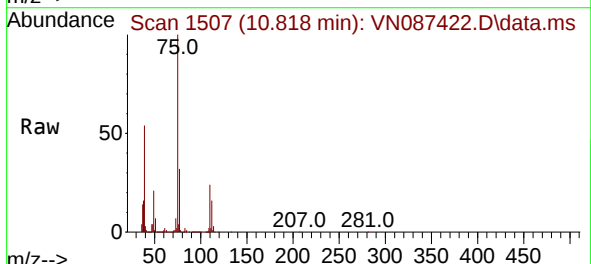
Manual Integrations
APPROVED

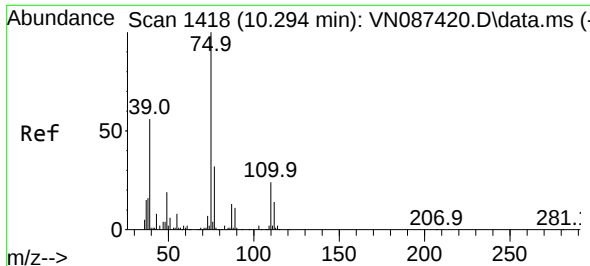
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#48
t-1,3-Dichloropropene
Concen: 91.712 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

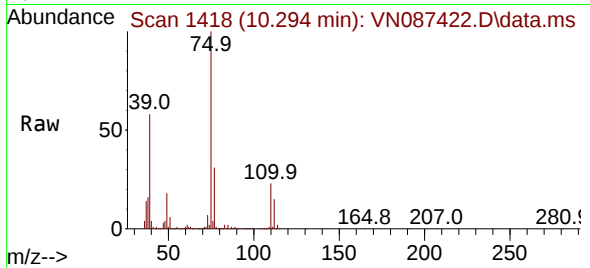
Tgt Ion: 75 Resp: 1105256
Ion Ratio Lower Upper
75 100
77 31.8 23.6 35.4





#49
cis-1,3-Dichloropropene
Concen: 94.115 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

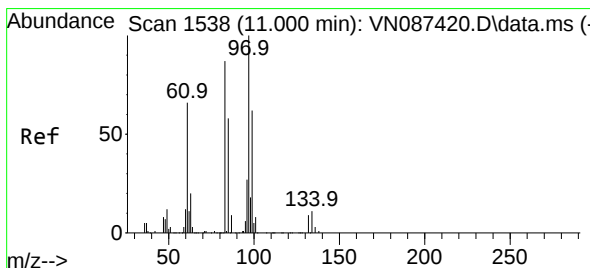
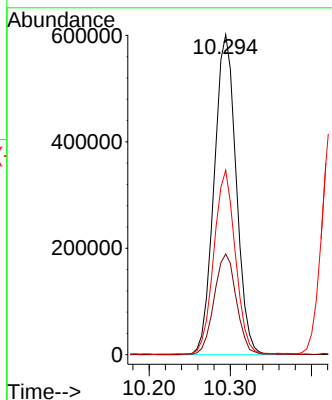
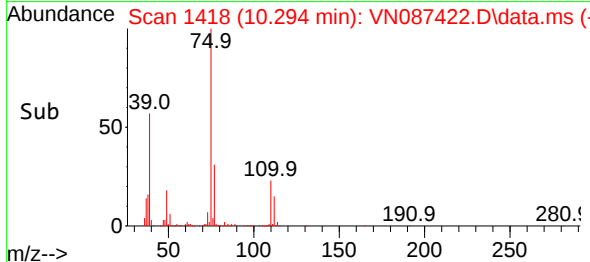
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 1134330
Ion Ratio Lower Upper
75 100
77 31.4 27.4 41.0
39 57.4 46.3 69.5

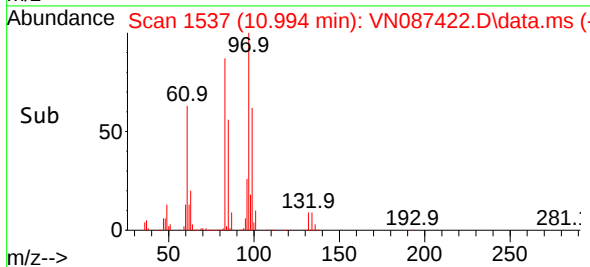
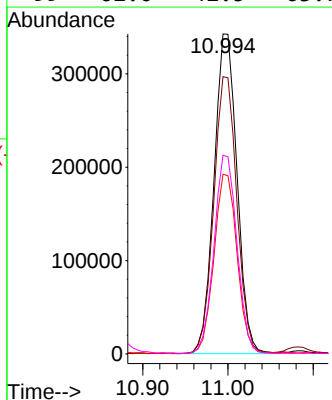
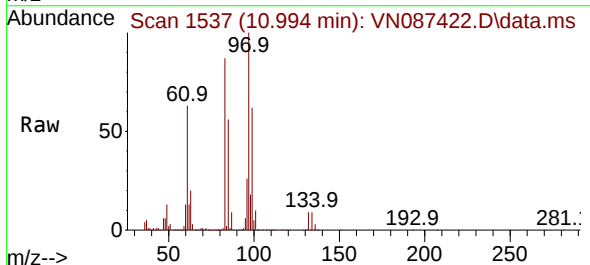
Manual Integrations
APPROVED

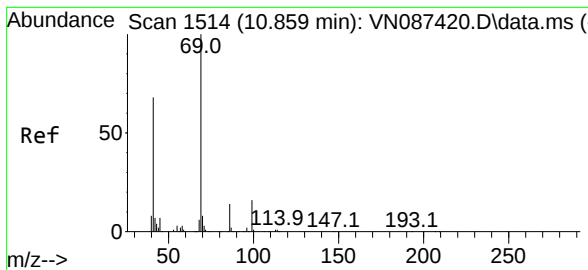
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#50
1,1,2-Trichloroethane
Concen: 87.530 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 97 Resp: 643183
Ion Ratio Lower Upper
97 100
83 86.5 68.9 103.3
85 56.1 42.2 63.2
99 62.0 42.5 63.7





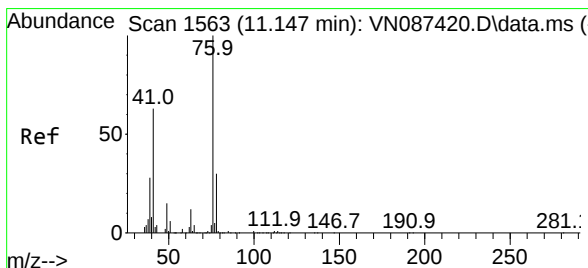
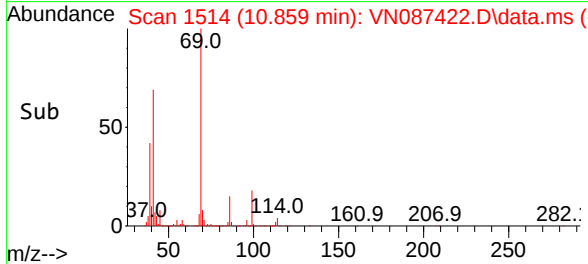
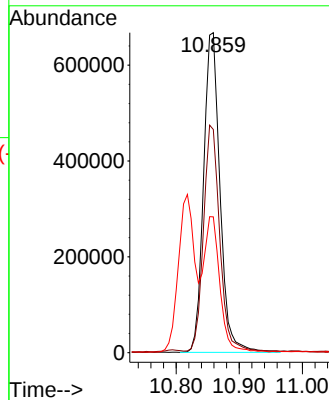
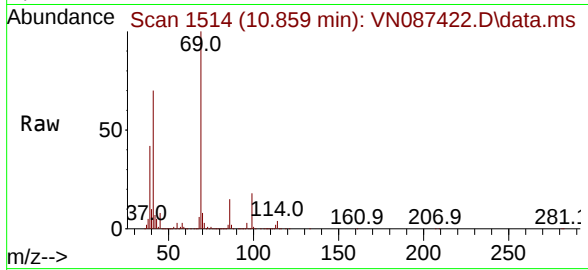
#51
Ethyl methacrylate
Concen: 107.422 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 69 Resp: 120710
Ion Ratio Lower Upper
69 100
41 69.4 33.7 101.1
39 42.2 21.6 65.0

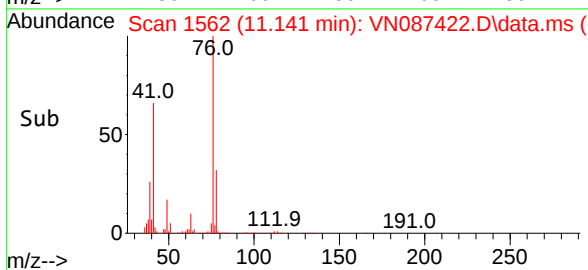
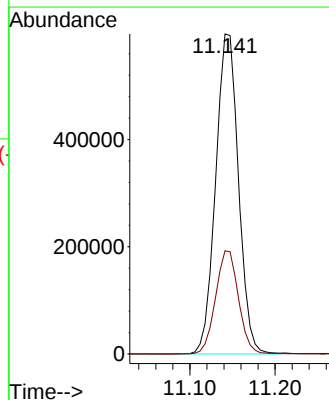
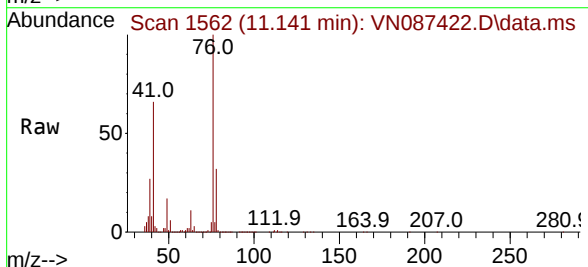
Manual Integrations
APPROVED

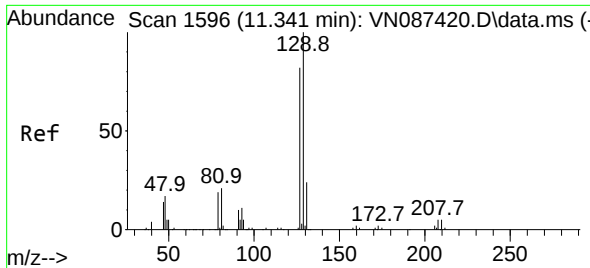
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
1,3-Dichloropropane
Concen: 87.911 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

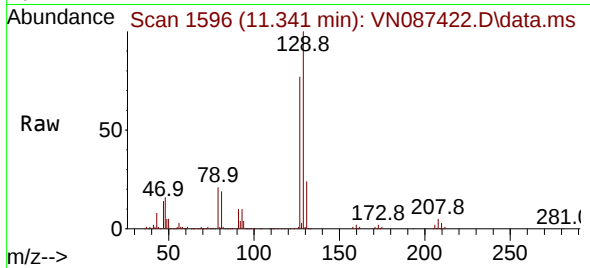
Tgt Ion: 76 Resp: 1110692
Ion Ratio Lower Upper
76 100
78 32.4 0.0 67.4





#53
Dibromochloromethane
Concen: 86.558 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

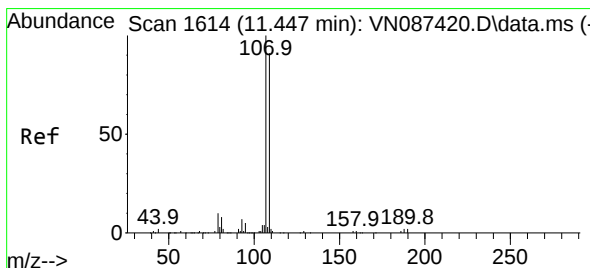
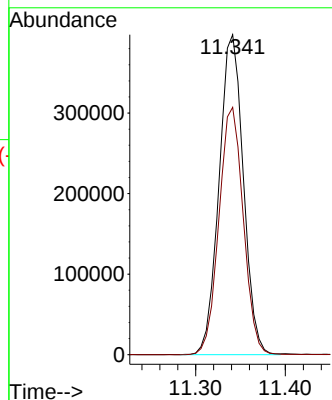
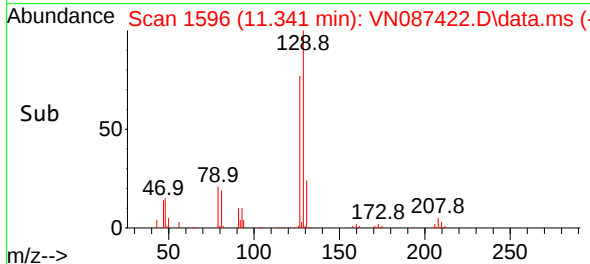
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



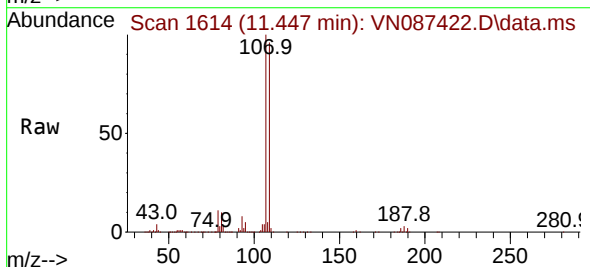
Tgt Ion:129 Resp: 745469
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1

Manual Integrations
APPROVED

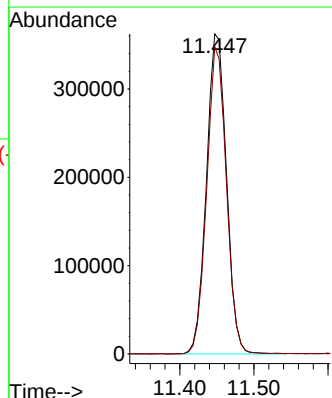
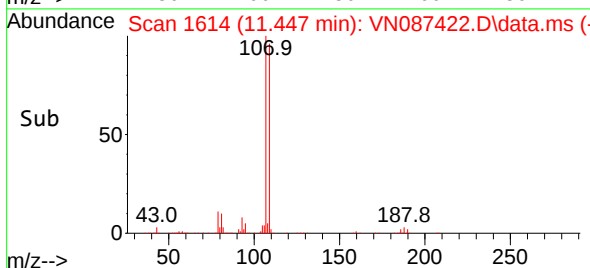
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

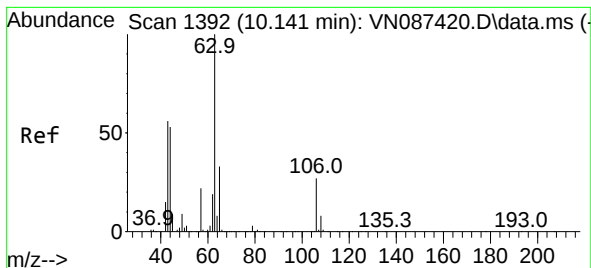


#54
1,2-Dibromoethane
Concen: 90.427 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



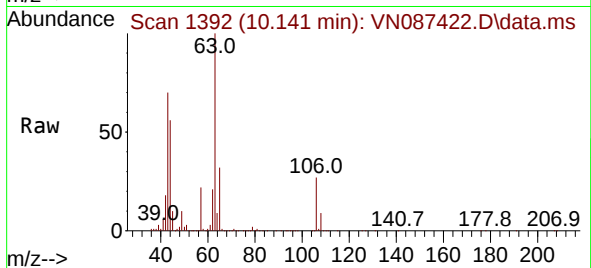
Tgt Ion:107 Resp: 681098
Ion Ratio Lower Upper
107 100
109 93.8 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 298.623 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

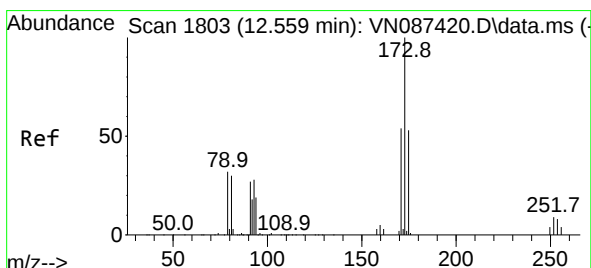
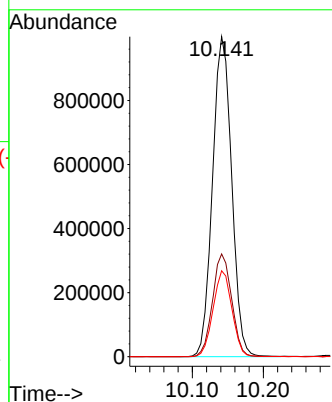
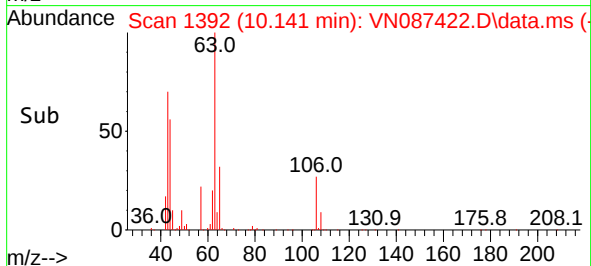
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 63 Resp: 186672
Ion Ratio Lower Upper
63 100
65 32.0 25.8 38.8
106 26.4 23.0 34.4

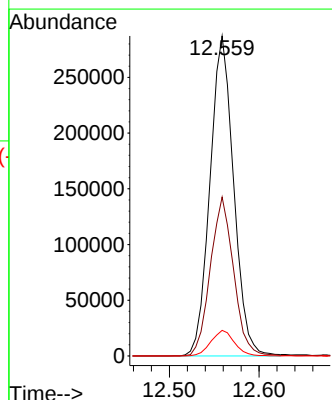
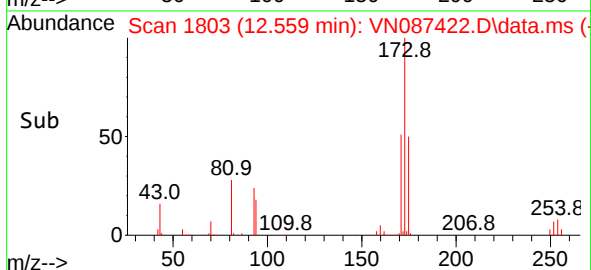
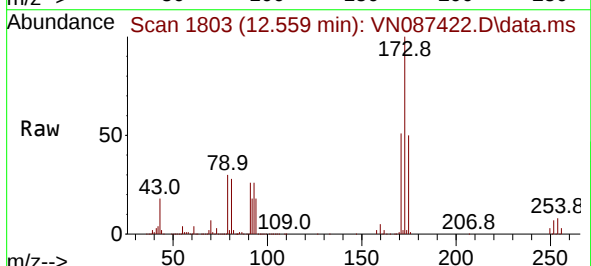
Manual Integrations
APPROVED

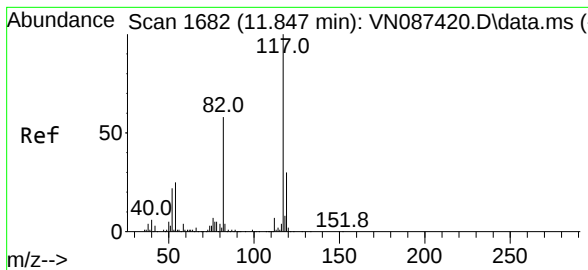
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#56
Bromoform
Concen: 85.982 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

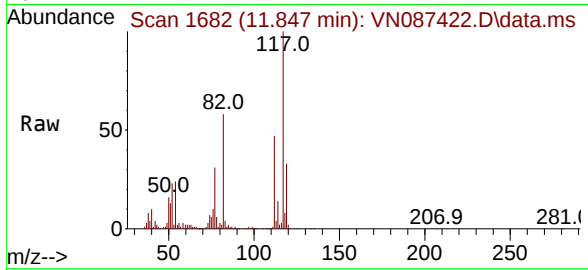
Tgt Ion:173 Resp: 526675
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
254 8.0 6.7 10.1





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

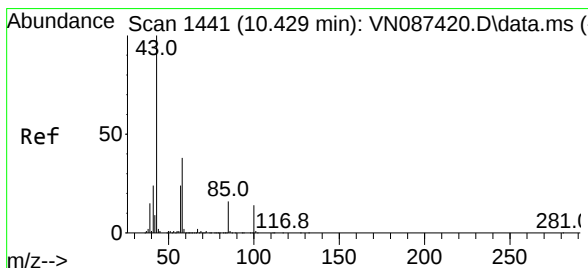
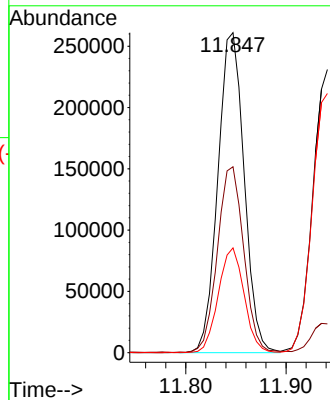
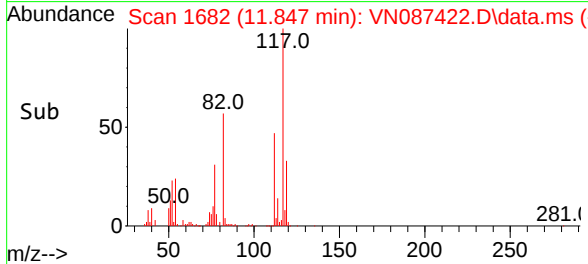
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



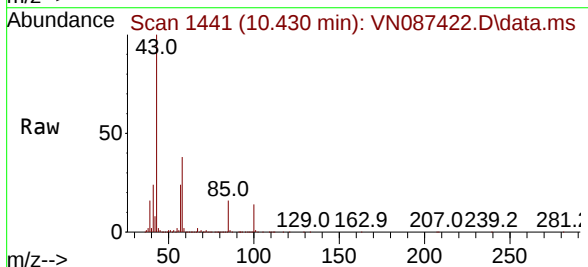
Tgt Ion:117 Resp: 475412
Ion Ratio Lower Upper
117 100
82 58.2 44.1 66.1
119 32.1 25.4 38.2

Manual Integrations
APPROVED

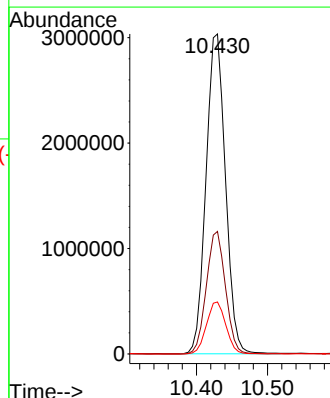
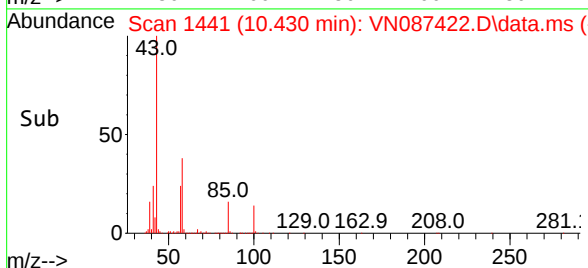
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

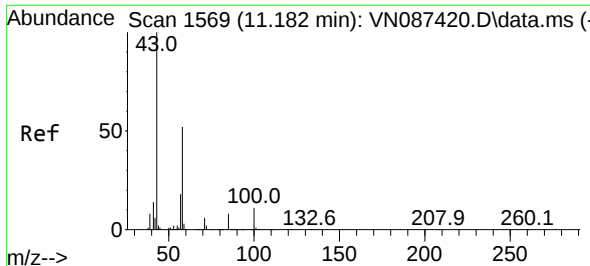


#58
4-Methyl-2-Pentanone
Concen: 496.315 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



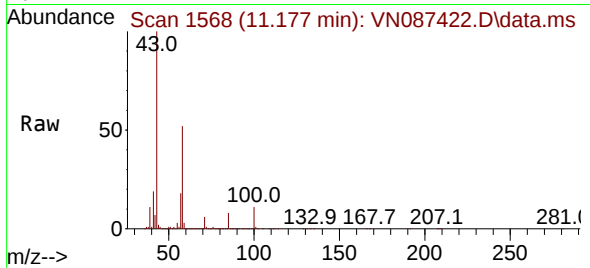
Tgt Ion: 43 Resp: 5769696
Ion Ratio Lower Upper
43 100
58 37.7 29.5 44.3
85 16.2 13.3 19.9





#59
2-Hexanone
Concen: 536.382 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

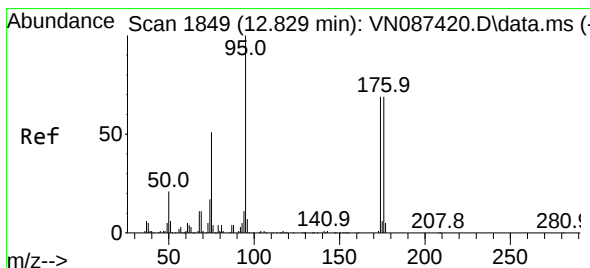
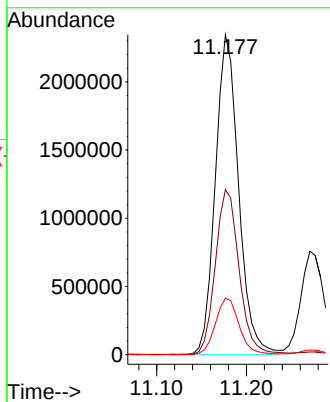
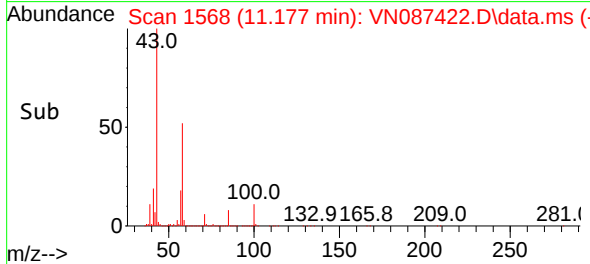
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 4208772
Ion Ratio Lower Upper
43 100
58 52.8 40.5 60.7
57 18.0 14.0 21.0

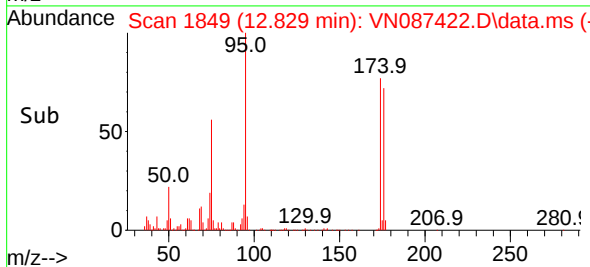
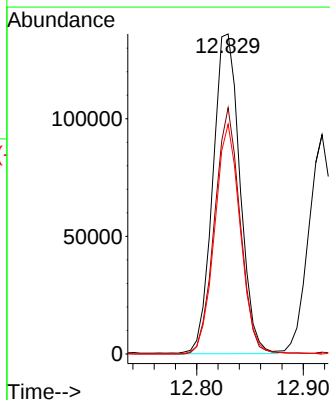
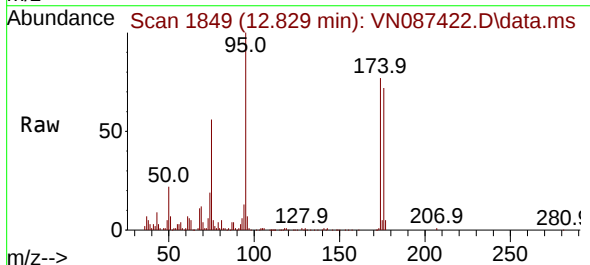
Manual Integrations
APPROVED

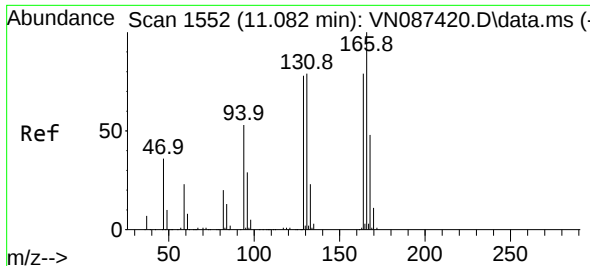
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#60
4-Bromofluorobenzene
Concen: 30.268 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

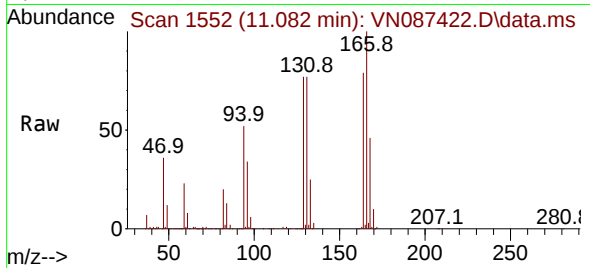
Tgt Ion: 95 Resp: 240070
Ion Ratio Lower Upper
95 100
174 72.2 62.1 93.1
176 68.3 57.9 86.9





#61
Tetrachloroethene
Concen: 90.589 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

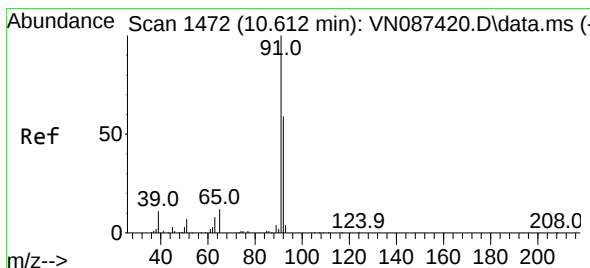
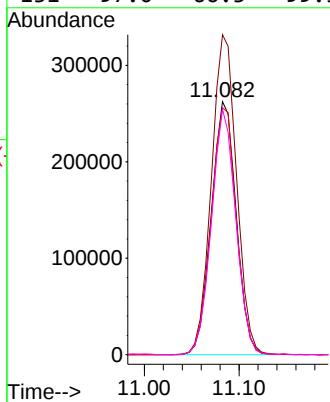
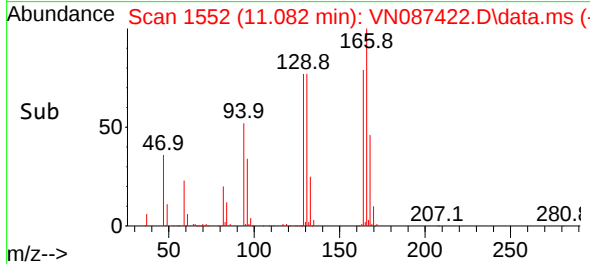
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



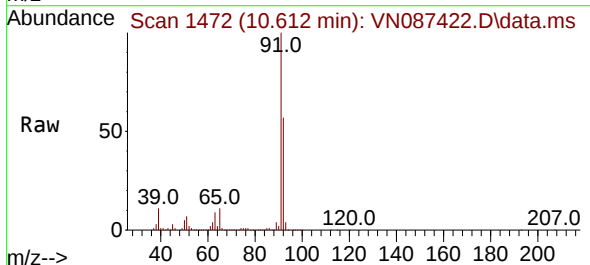
Tgt Ion:164 Resp: 480939
Ion Ratio Lower Upper
164 100
166 126.3 91.7 137.5
129 97.4 77.8 116.6
131 97.0 66.3 99.5

Manual Integrations
APPROVED

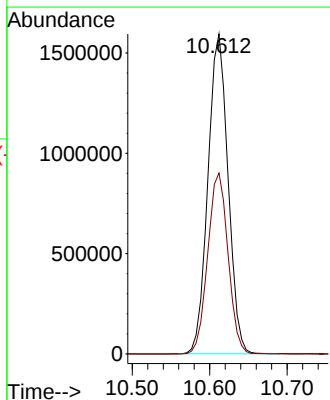
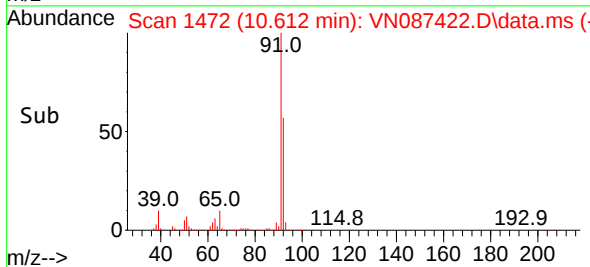
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

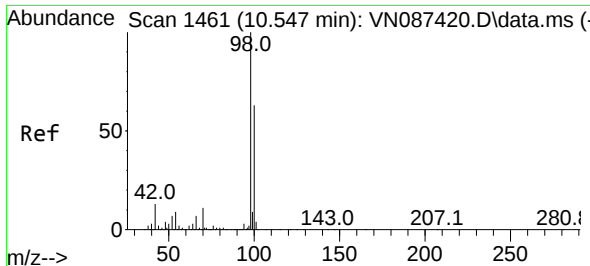


#62
Toluene
Concen: 99.267 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



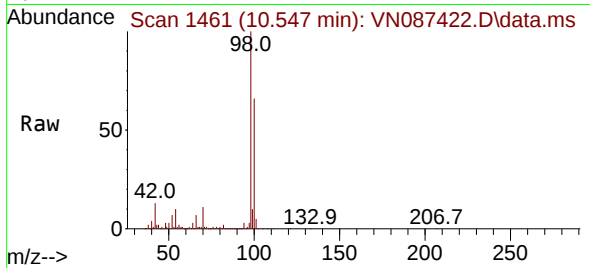
Tgt Ion: 91 Resp: 2874076
Ion Ratio Lower Upper
91 100
92 57.1 47.4 71.0





#63
Toluene-d8
Concen: 30.633 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

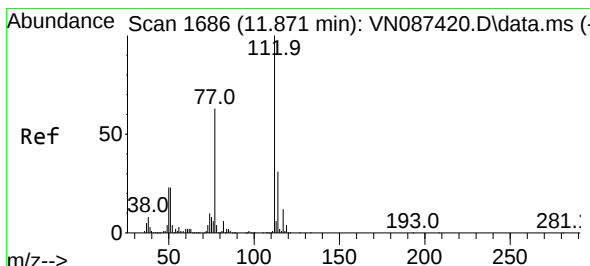
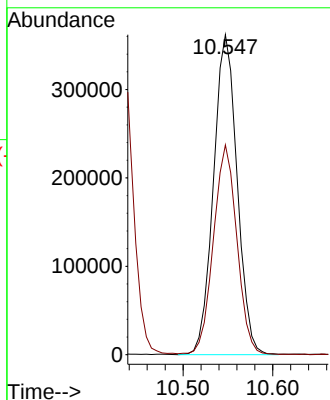
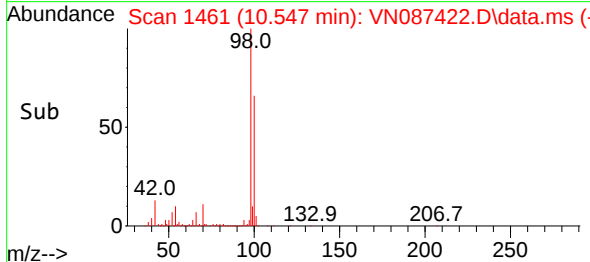
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



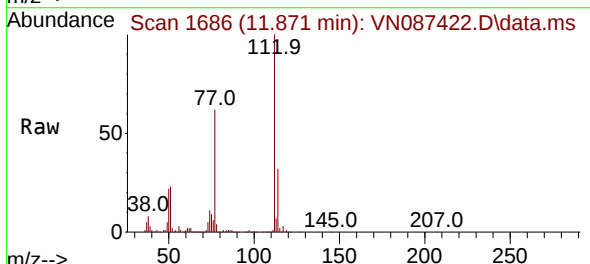
Tgt Ion: 98 Resp: 662288
Ion Ratio Lower Upper
98 100
100 64.8 51.1 76.7

Manual Integrations
APPROVED

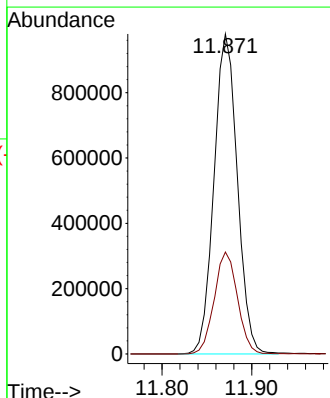
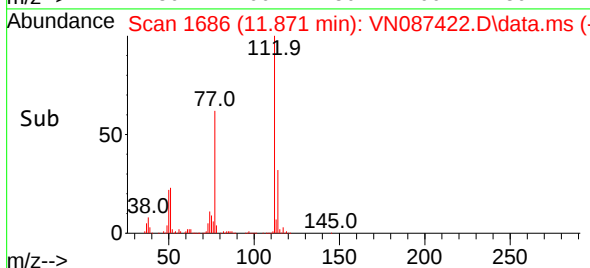
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

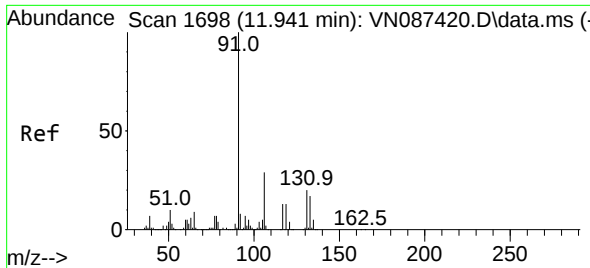


#64
Chlorobenzene
Concen: 95.487 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



Tgt Ion:112 Resp: 1767524
Ion Ratio Lower Upper
112 100
114 31.9 24.0 36.0





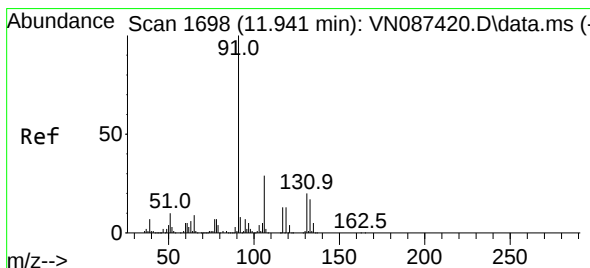
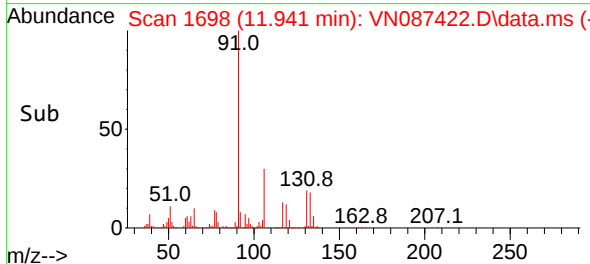
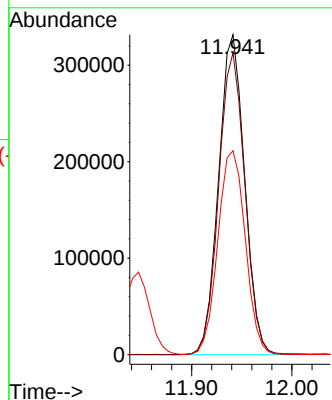
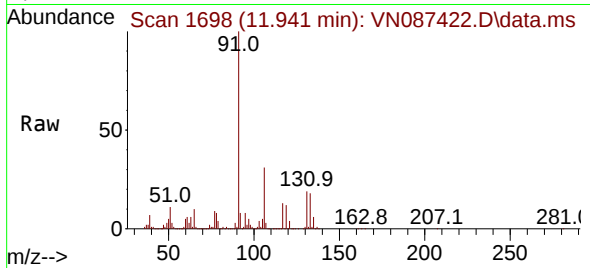
#65
1,1,1,2-Tetrachloroethane
Concen: 88.434 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:131 Resp: 59821
Ion Ratio Lower Upper
131 100
133 94.8 0.0 193.0
119 67.3 0.0 128.2

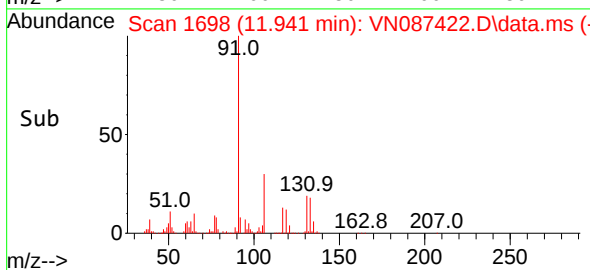
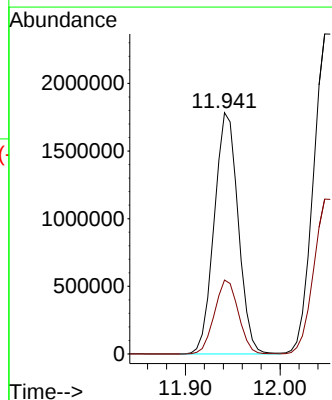
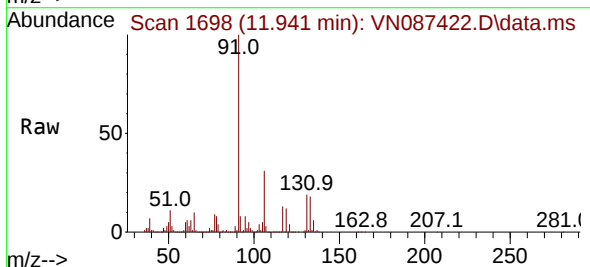
Manual Integrations
APPROVED

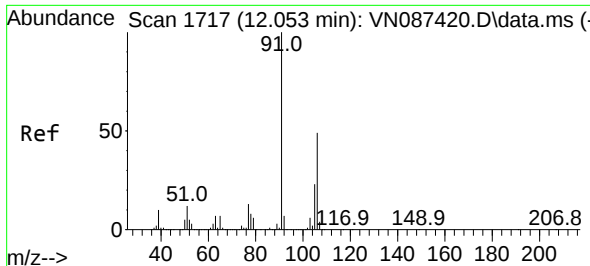
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#66
Ethyl Benzene
Concen: 100.041 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 91 Resp: 3135838
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.6





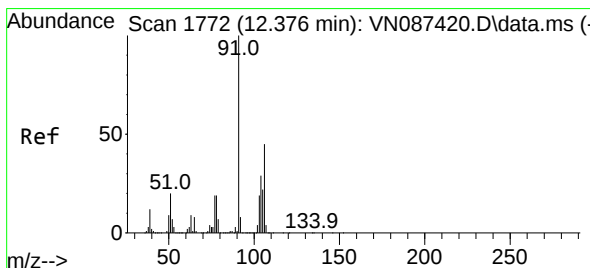
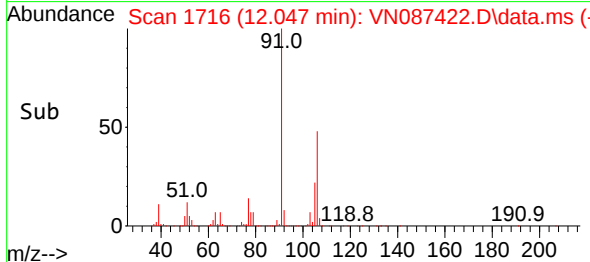
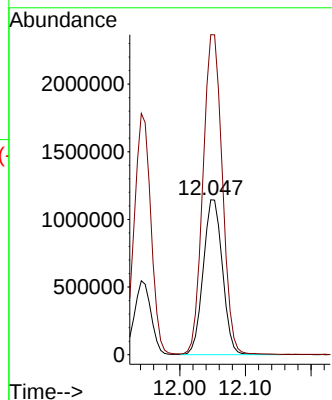
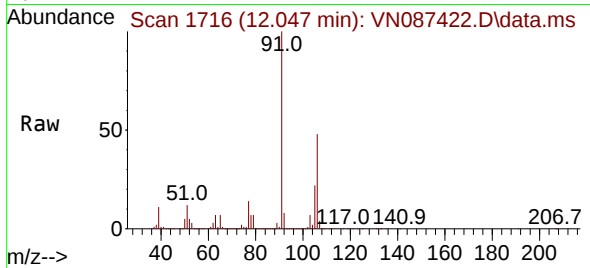
#67
m/p-Xylenes
Concen: 188.141 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2333824
Ion Ratio Lower Upper
106 100
91 208.4 163.4 245.2

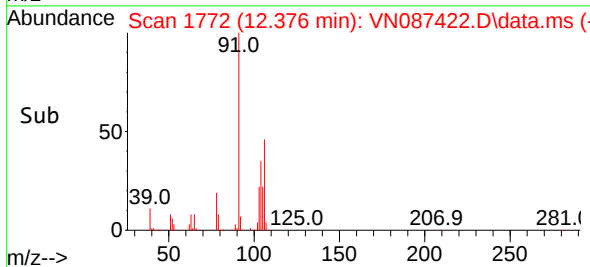
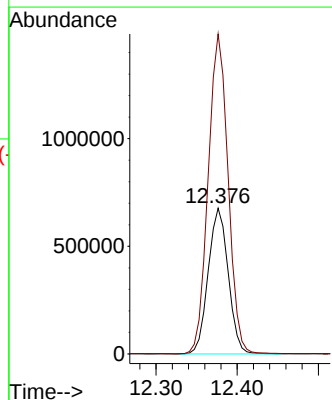
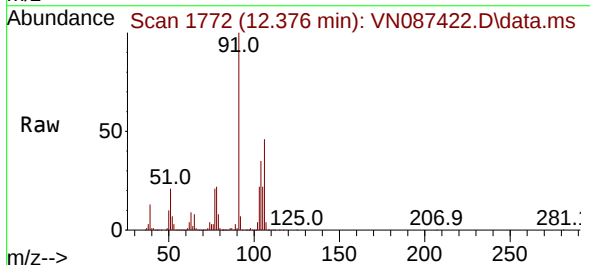
Manual Integrations
APPROVED

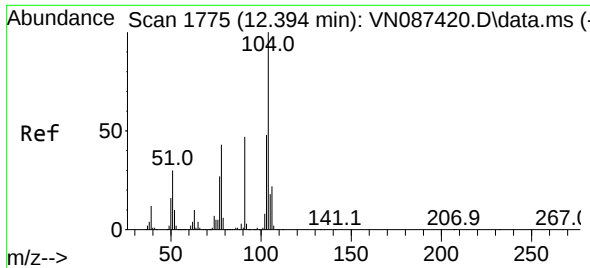
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#68
o-Xylene
Concen: 97.239 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

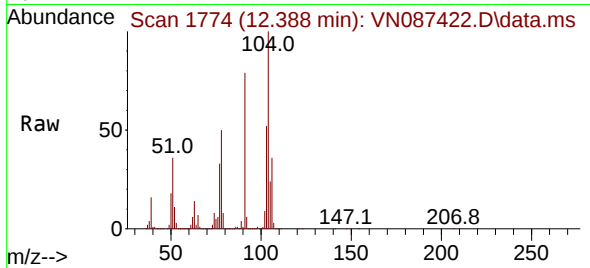
Tgt Ion:106 Resp: 1157058
Ion Ratio Lower Upper
106 100
91 219.0 106.6 319.8





#69
Styrene
Concen: 96.422 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

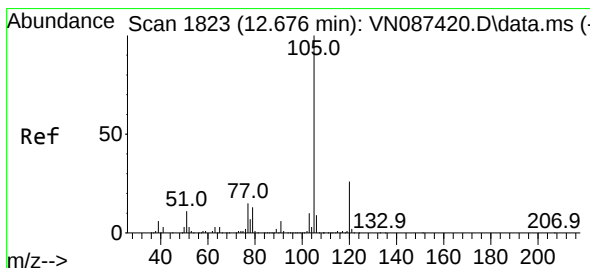
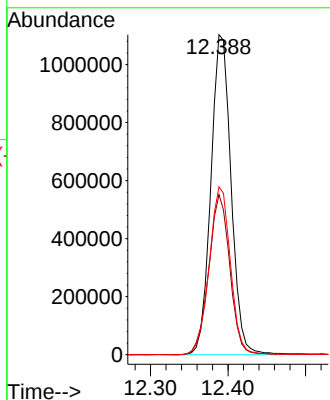
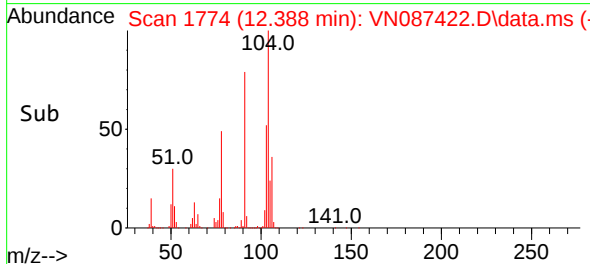
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



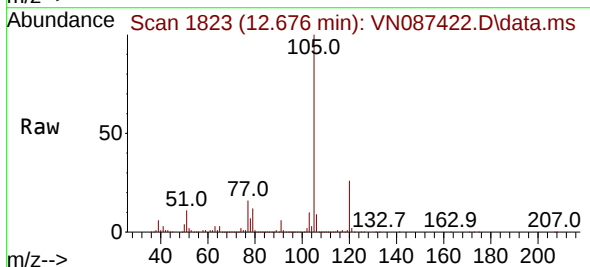
Tgt Ion:104 Resp: 1996219
Ion Ratio Lower Upper
104 100
78 52.1 40.7 61.1
103 55.2 43.4 65.2

Manual Integrations
APPROVED

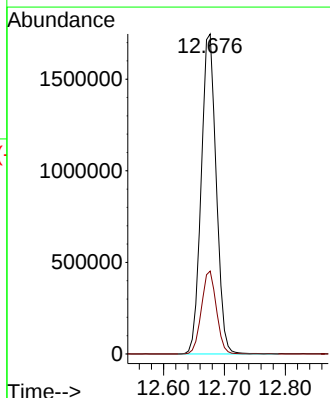
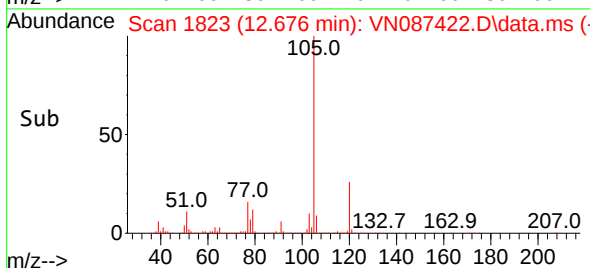
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

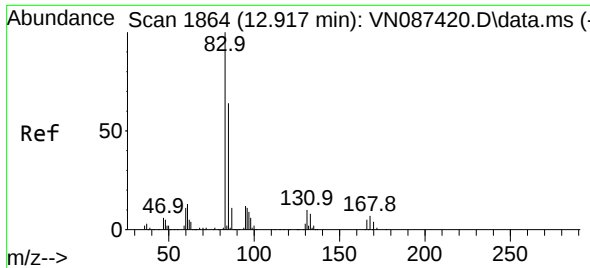


#70
Isopropylbenzene
Concen: 99.698 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



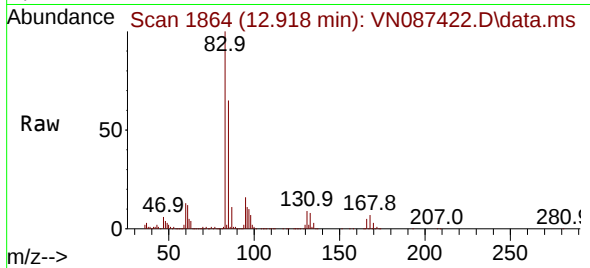
Tgt Ion:105 Resp: 2987822
Ion Ratio Lower Upper
105 100
120 25.8 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 96.465 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

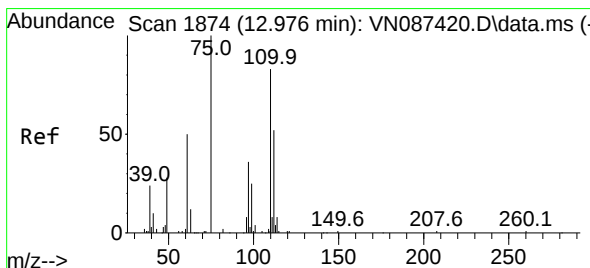
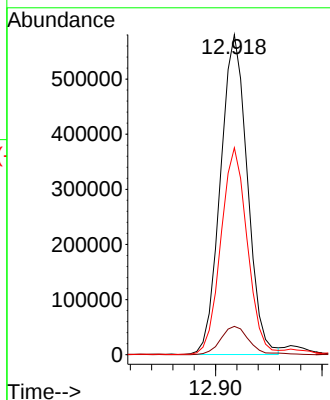
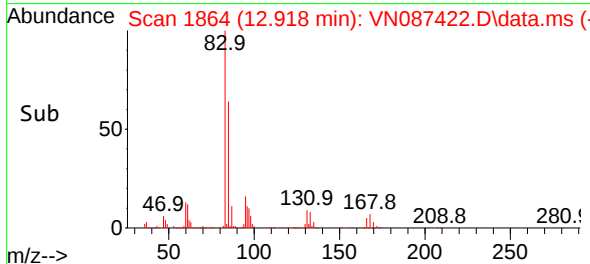
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



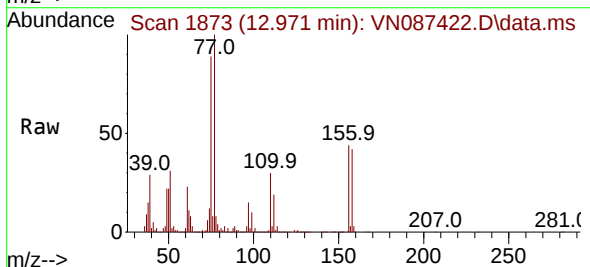
Tgt Ion: 83 Resp: 101697
Ion Ratio Lower Upper
83 100
131 9.1 4.6 13.8
85 63.5 30.6 91.6

Manual Integrations
APPROVED

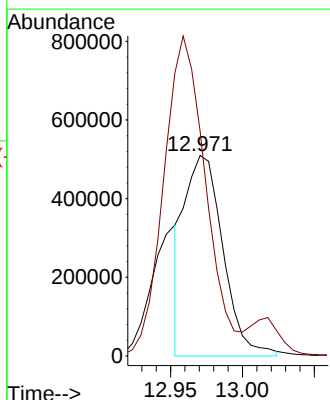
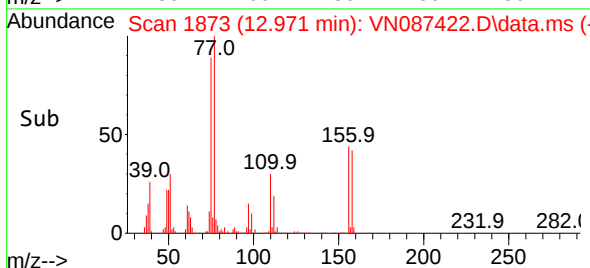
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

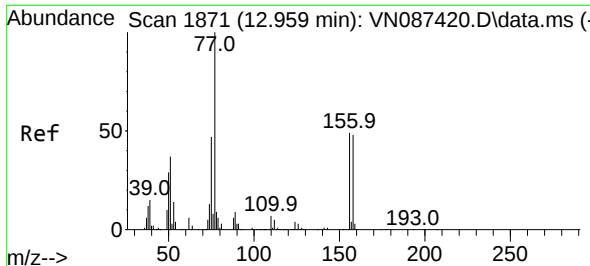


#72
1,2,3-Trichloropropane
Concen: 100.703 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



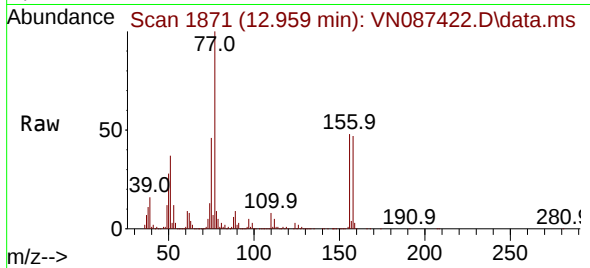
Tgt Ion: 75 Resp: 948444
Ion Ratio Lower Upper
75 100
77 174.5 0.0 361.2





#73
Bromobenzene
Concen: 88.886 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

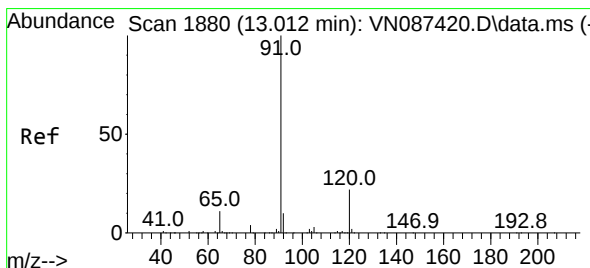
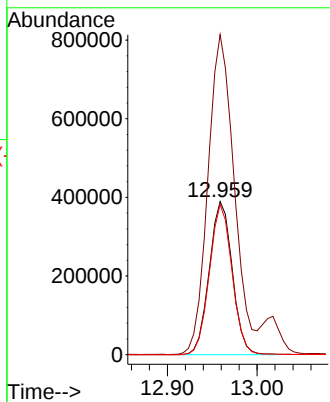
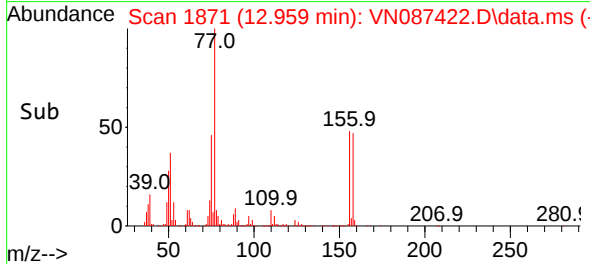
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



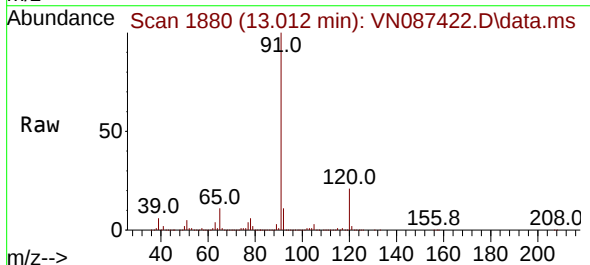
Tgt Ion:156 Resp: 69334
Ion Ratio Lower Upper
156 100
77 238.7 0.0 440.6
158 96.5 0.0 195.0

Manual Integrations
APPROVED

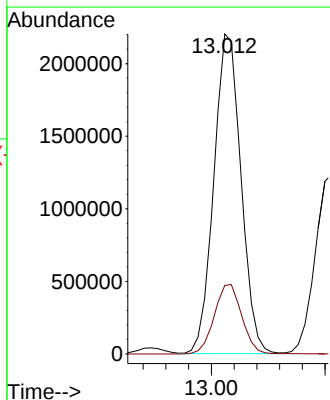
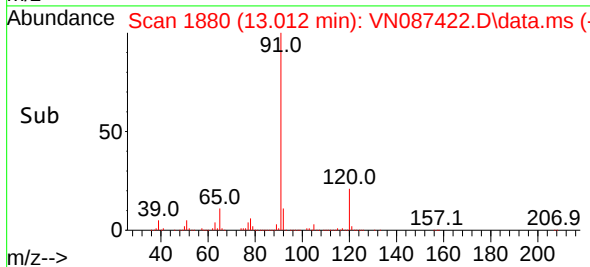
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

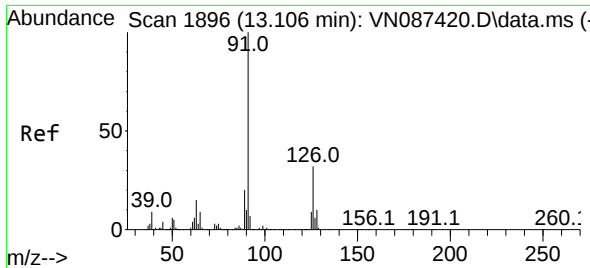


#74
n-propylbenzene
Concen: 96.712 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



Tgt Ion: 91 Resp: 3660066
Ion Ratio Lower Upper
91 100
120 21.9 0.0 44.6





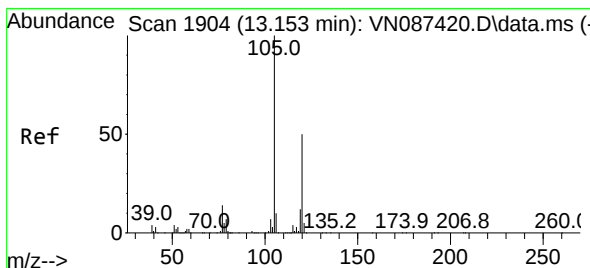
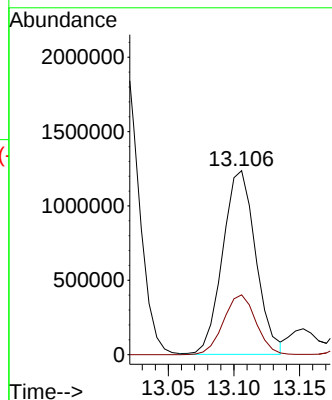
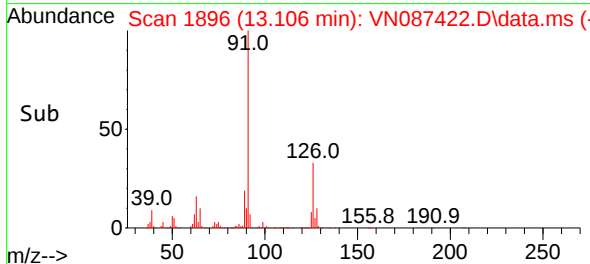
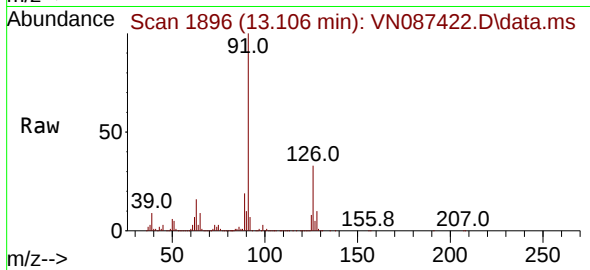
#75
2-Chlorotoluene
Concen: 95.561 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 217210
Ion Ratio Lower Upper
91 100
126 31.9 0.0 65.4

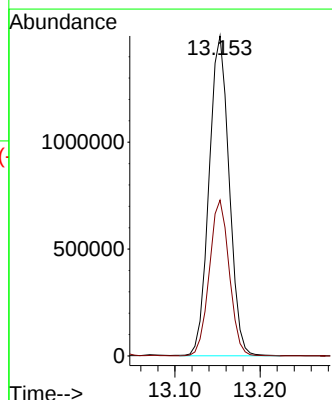
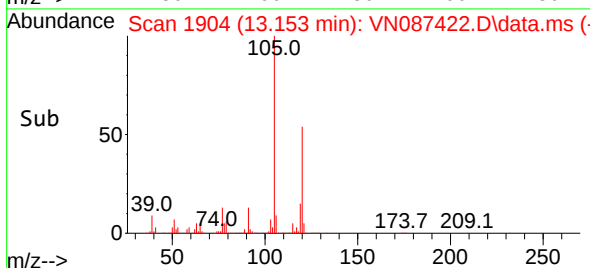
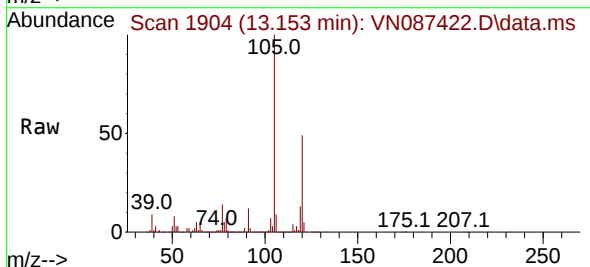
Manual Integrations
APPROVED

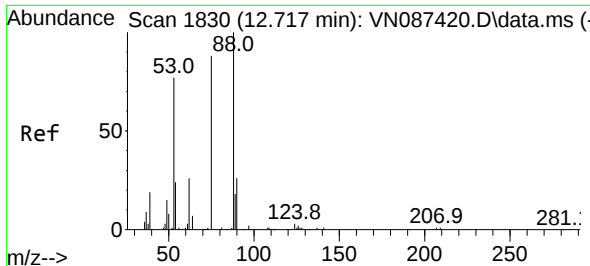
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#76
1,3,5-Trimethylbenzene
Concen: 94.211 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

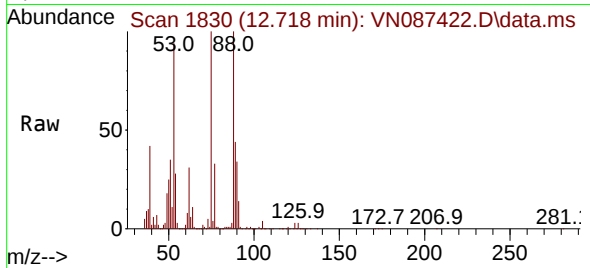
Tgt Ion:105 Resp: 2455832
Ion Ratio Lower Upper
105 100
120 48.1 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 113.362 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

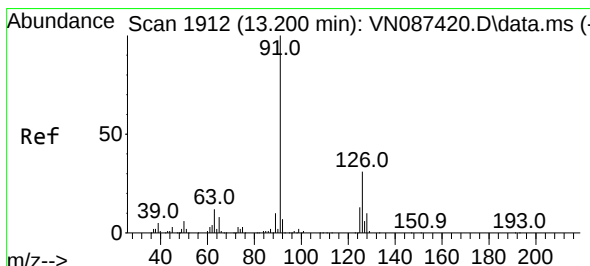
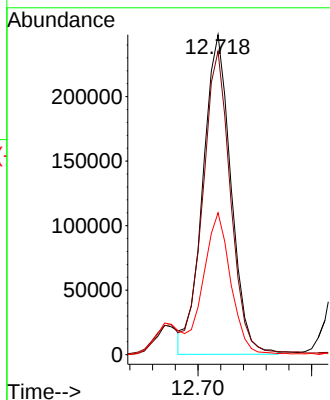
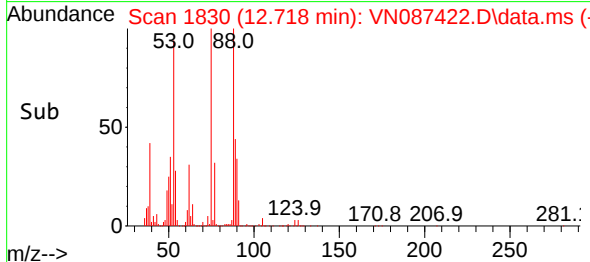
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 42669
Ion Ratio Lower Upper
75 100
53 94.6 44.0 131.8
89 44.3 17.0 50.9

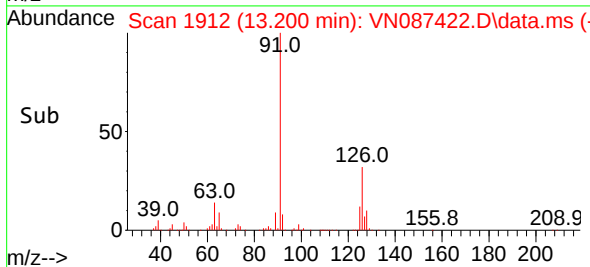
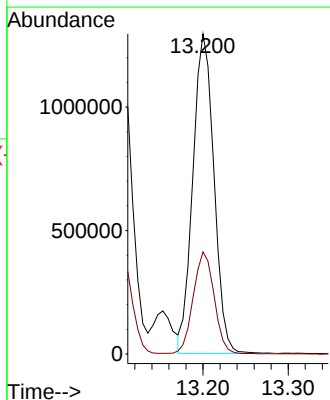
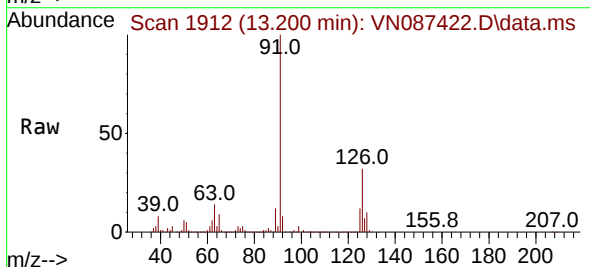
Manual Integrations
APPROVED

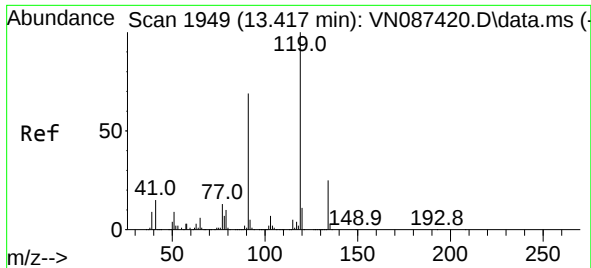
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#78
4-Chlorotoluene
Concen: 91.781 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Tgt Ion: 91 Resp: 2224958
Ion Ratio Lower Upper
91 100
126 31.8 0.0 66.6





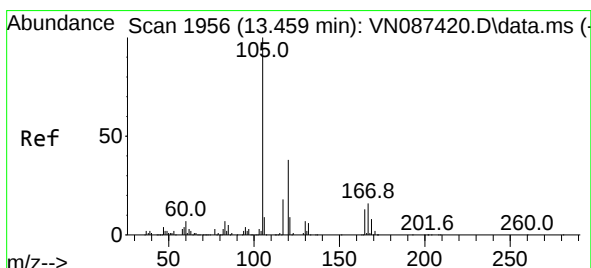
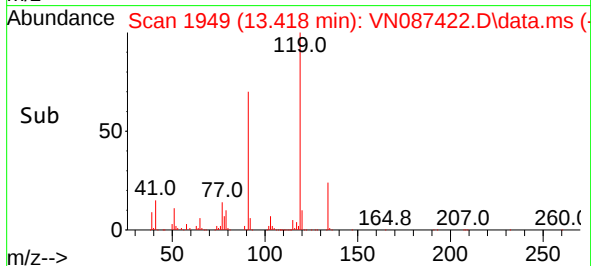
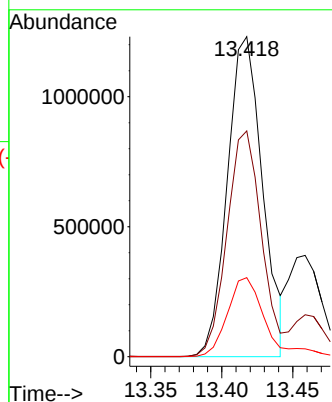
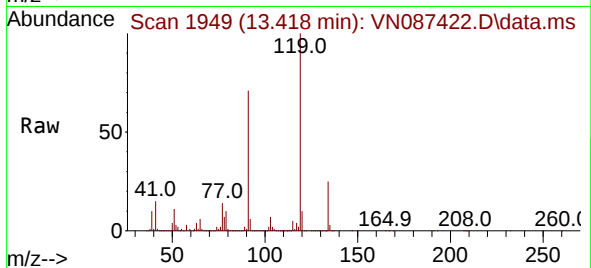
#79
tert-butylbenzene
Concen: 95.795 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 2120750
Ion Ratio Lower Upper
119 100
91 68.6 0.0 134.8
134 24.8 0.0 52.0

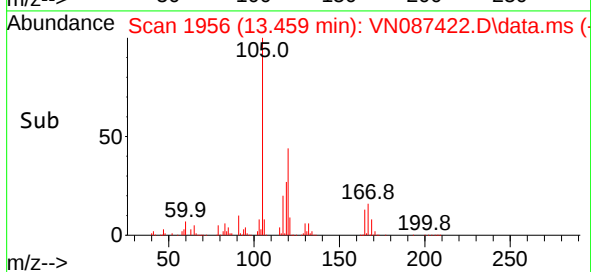
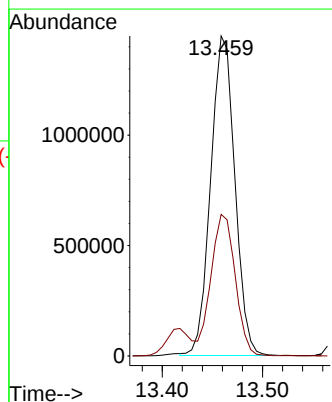
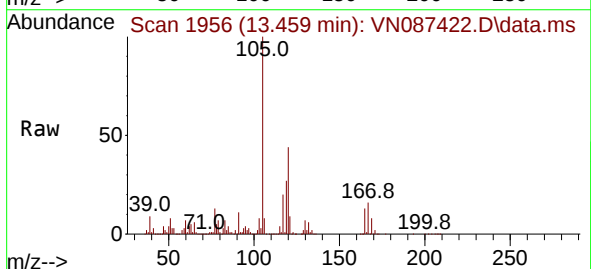
Manual Integrations
APPROVED

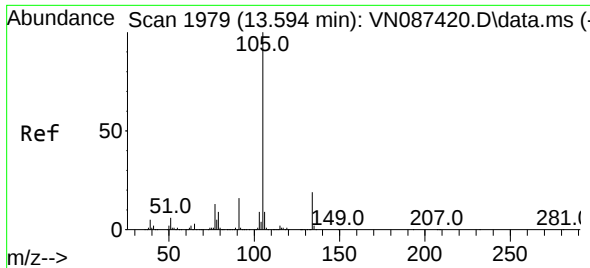
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#80
1,2,4-Trimethylbenzene
Concen: 91.018 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

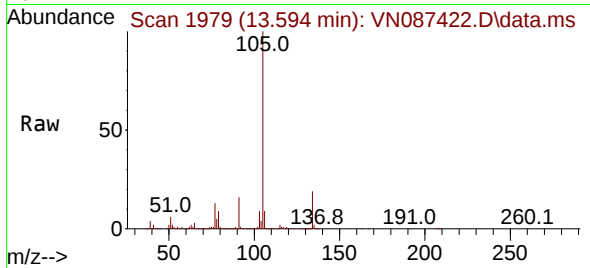
Tgt Ion:105 Resp: 2422023
Ion Ratio Lower Upper
105 100
120 44.0 0.0 93.6





#81
 sec-Butylbenzene
 Concen: 97.752 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48

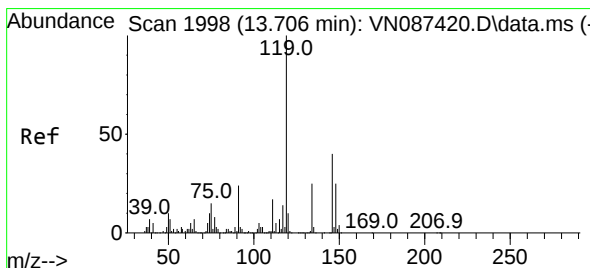
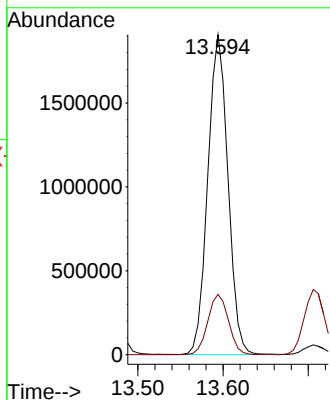
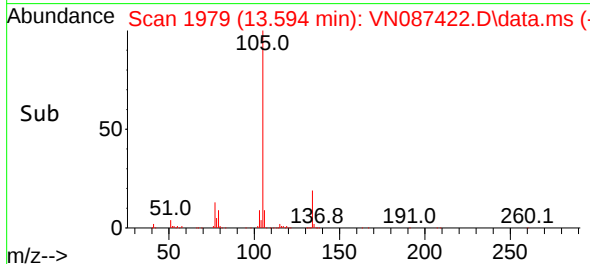
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



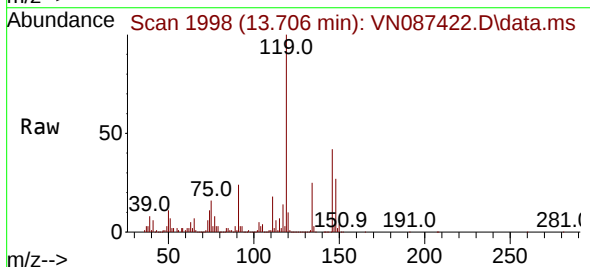
Tgt Ion:105 Resp: 312318
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.6

Manual Integrations
 APPROVED

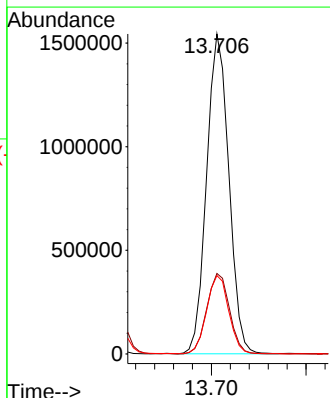
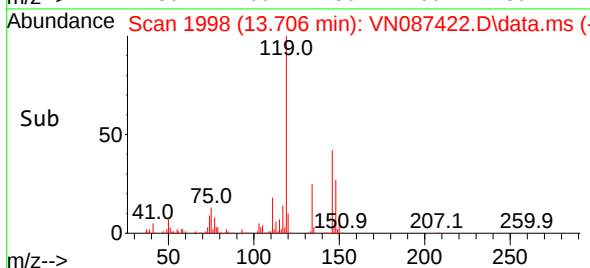
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

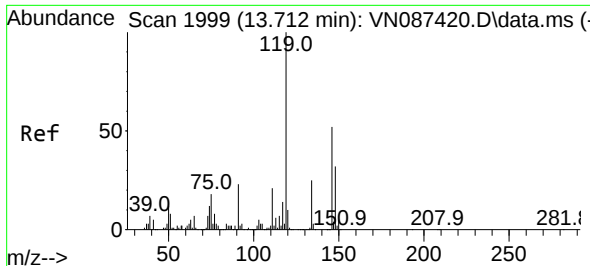


#82
 p-Isopropyltoluene
 Concen: 91.795 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48



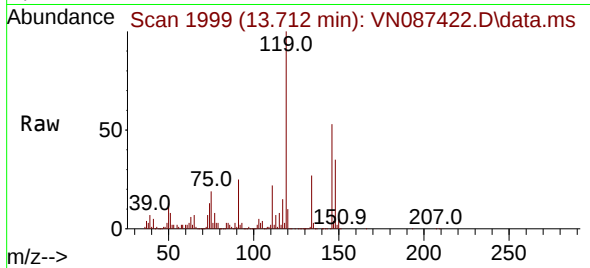
Tgt Ion:119 Resp: 2517193
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 51.8
 91 24.2 0.0 54.2





#83
 1,3-Dichlorobenzene
 Concen: 81.997 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48

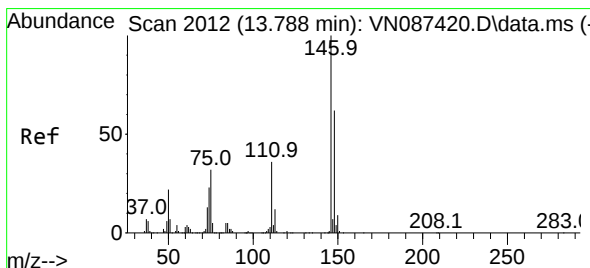
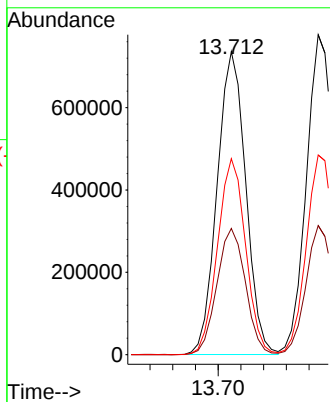
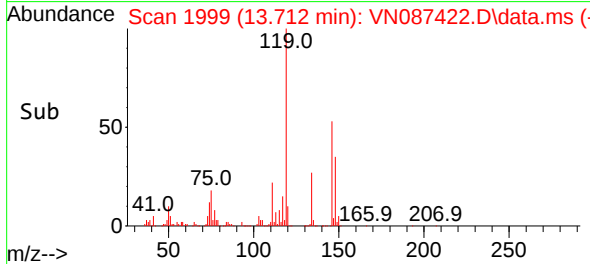
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



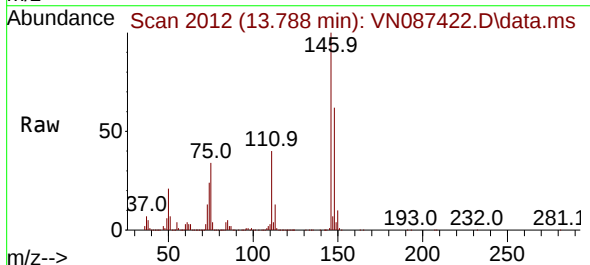
Tgt Ion:146 Resp: 1288719
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.2 60.6
 148 63.6 31.7 95.1

Manual Integrations
 APPROVED

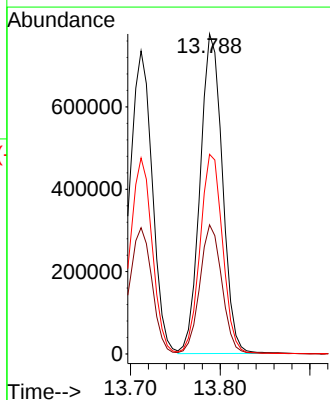
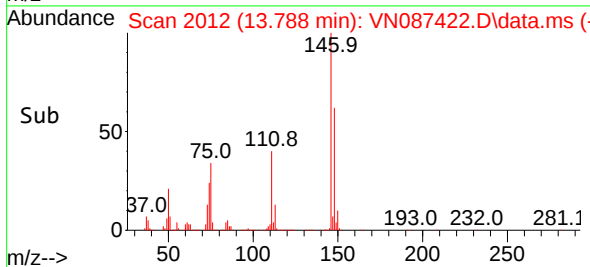
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

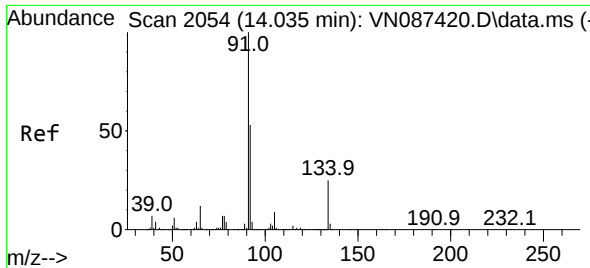


#84
 1,4-Dichlorobenzene
 Concen: 86.211 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48



Tgt Ion:146 Resp: 1337394
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.1
 148 63.5 32.4 97.2





#85
n-Butylbenzene
Concen: 100.899 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

Instrument :

MSVOA_N

ClientSampleId :

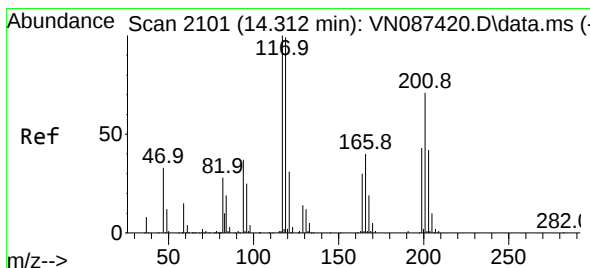
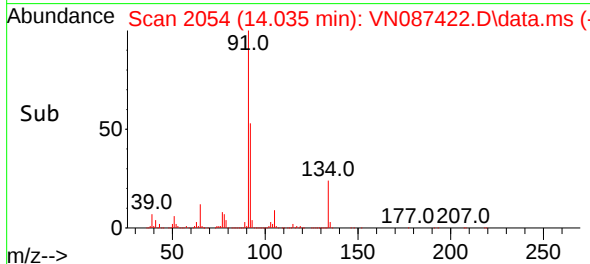
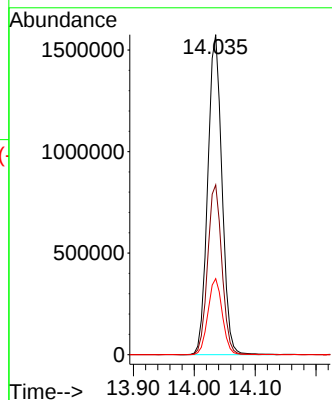
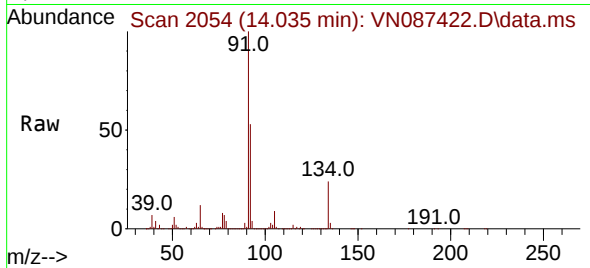
VSTDICC100

Tgt Ion: 91 Resp: 2548230
Ion Ratio Lower Upper
91 100
92 53.1 0.0 101.4
134 23.9 0.0 48.6

Manual Integrations

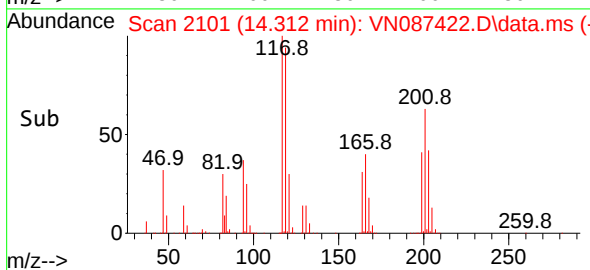
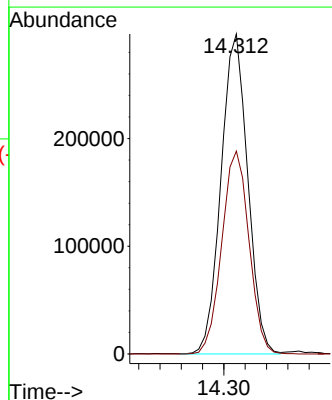
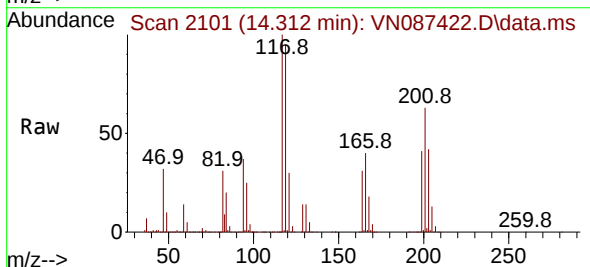
APPROVED

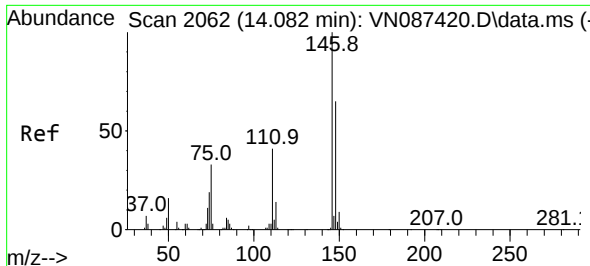
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#86
Hexachloroethane
Concen: 96.970 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

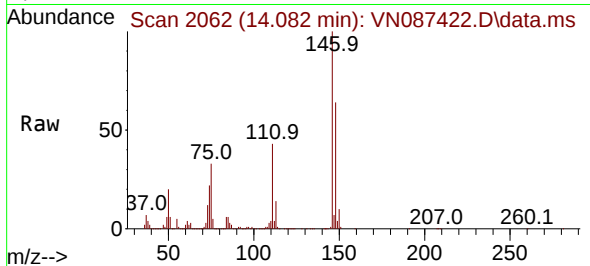
Tgt Ion:117 Resp: 517454
Ion Ratio Lower Upper
117 100
201 64.5 34.2 102.5





#87
 1,2-Dichlorobenzene
 Concen: 86.242 ug/l
 RT: 14.082 min Scan# 2062
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48

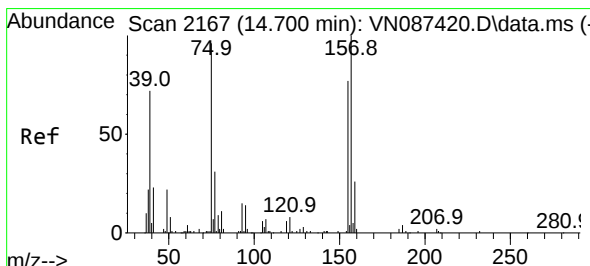
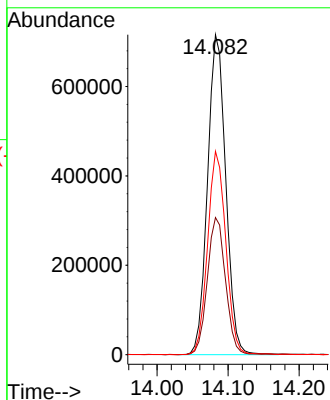
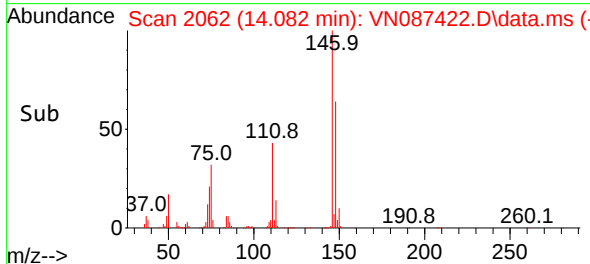
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



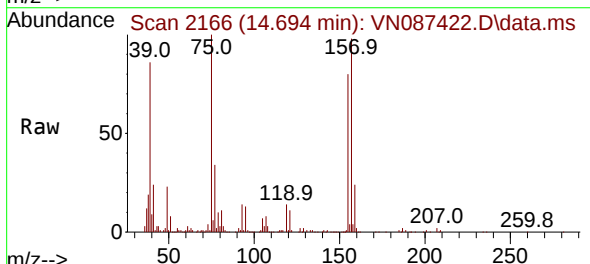
Tgt Ion:146 Resp: 127618
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.9 65.8
 148 63.5 31.2 93.6

Manual Integrations
 APPROVED

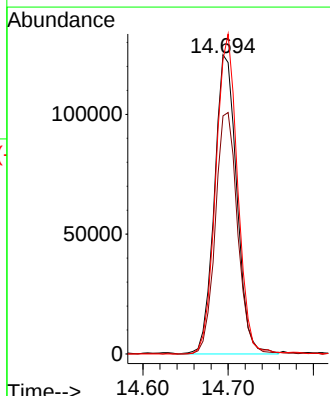
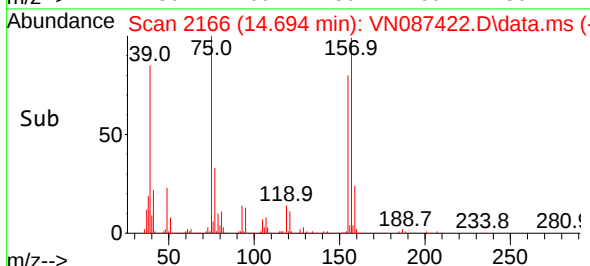
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

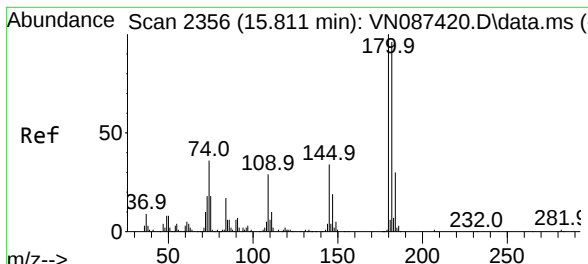


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 92.905 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. 0.000 min
 Lab File: VN087422.D
 Acq: 28 Jul 2025 10:48



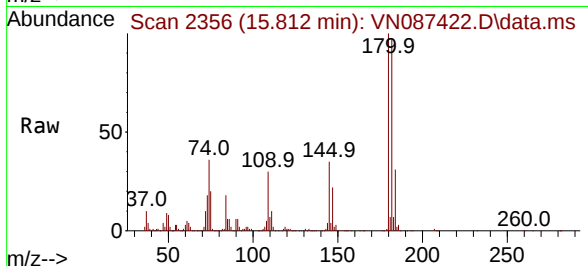
Tgt Ion: 75 Resp: 227882
 Ion Ratio Lower Upper
 75 100
 155 80.3 61.3 91.9
 157 104.1 85.5 128.3





#89
1,2,4-Trichlorobenzene
Concen: 90.691 ug/l
RT: 15.812 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

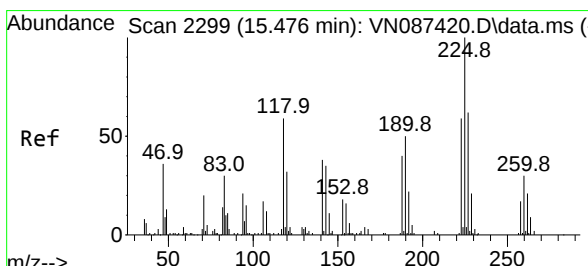
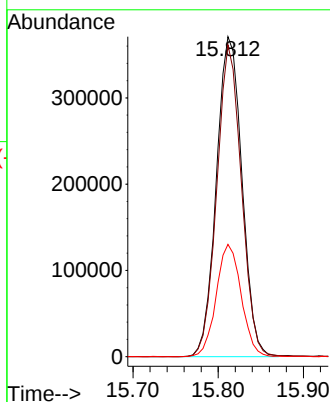
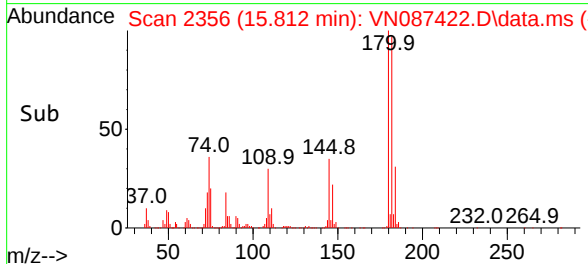
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



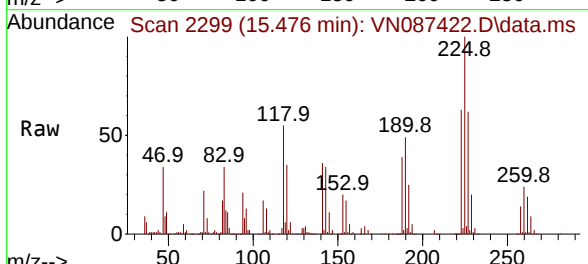
Tgt Ion:180 Resp: 77417
Ion Ratio Lower Upper
180 100
182 93.7 74.2 111.2
145 34.3 29.3 43.9

Manual Integrations
APPROVED

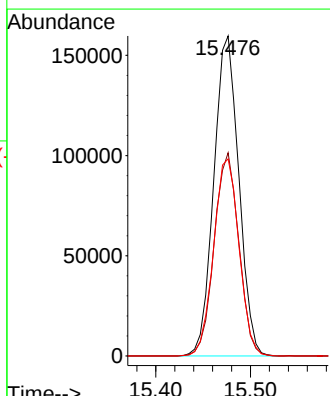
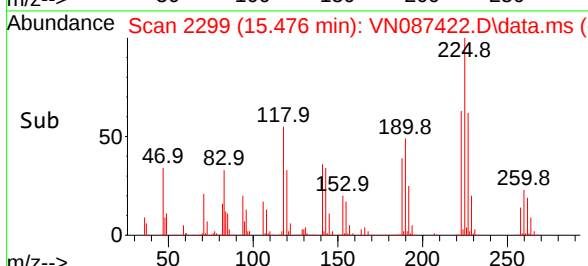
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

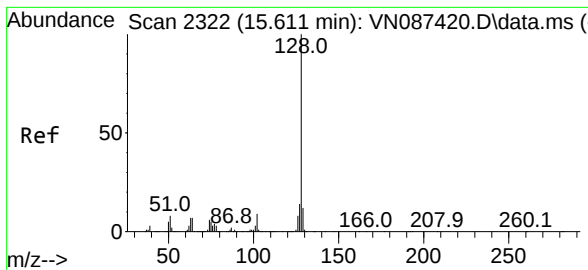


#90
Hexachlorobutadiene
Concen: 83.260 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



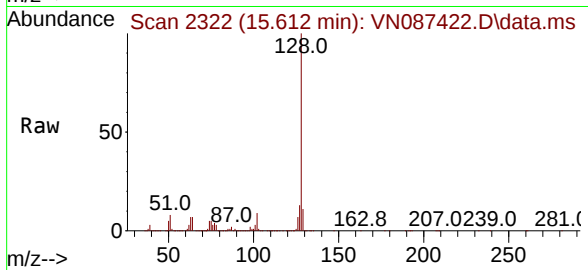
Tgt Ion:225 Resp: 293149
Ion Ratio Lower Upper
225 100
223 62.4 0.0 125.2
227 62.6 0.0 122.4





#91
Naphthalene
Concen: 104.186 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48

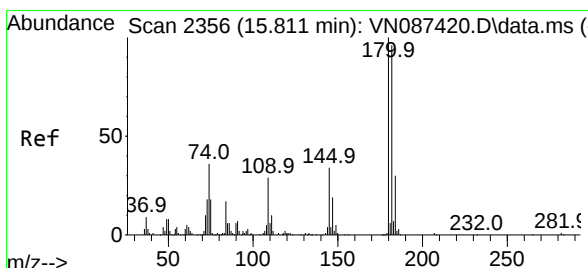
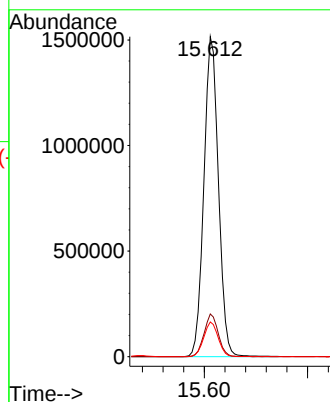
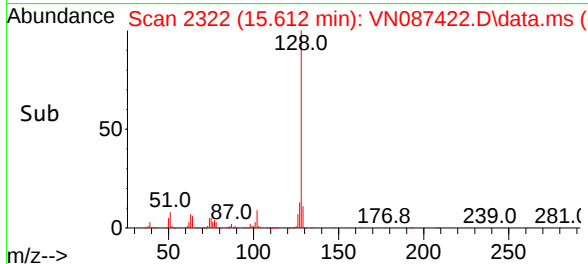
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



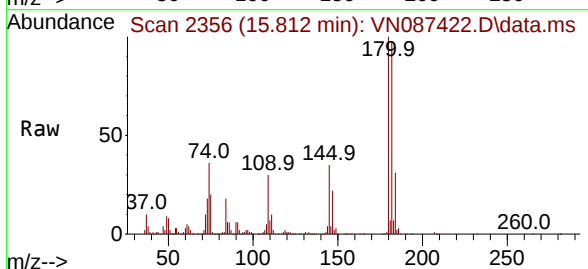
Tgt Ion:128 Resp: 2960118
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.8 9.0 13.4

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 90.691 ug/l
RT: 15.812 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087422.D
Acq: 28 Jul 2025 10:48



Tgt Ion:180 Resp: 774171
Ion Ratio Lower Upper
180 100
182 93.7 0.0 185.4
145 34.3 0.0 73.2

