

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087402.D
 Acq On : 23 Jul 2025 11:11
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 24 04:49:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 04:45:45 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.800	128	29344	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	135338	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	138642	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	71565	29.471	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.233%	
60) 4-Bromofluorobenzene	12.829	95	74066	32.039	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	106.800%	
63) Toluene-d8	10.547	98	181544	28.441	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	94.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	182621	106.178	ug/l	91
3) Chloromethane	2.383	50	183592	105.741	ug/l	93
4) Vinyl Chloride	2.536	62	204785	105.474	ug/l	97
5) Bromomethane	2.965	94	113264	102.267	ug/l	89
6) Chloroethane	3.136	64	149036	99.844	ug/l	90
7) Trichlorofluoromethane	3.506	101	326470	98.524	ug/l	94
8) Diethyl Ether	3.959	74	132659	102.777	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	168029	97.955	ug/l #	71
10) 1,1-Dichloroethene	4.342	96	171802	96.634	ug/l	95
11) Methyl Iodide	4.583	142	165756	131.630	ug/l	94
12) Methyl Acetate	5.018	43	246565	106.898	ug/l	100
13) Acrolein	4.177	56	219145	550.256	ug/l	100
14) Acrylonitrile	5.712	53	584920	557.775	ug/l	99
15) Acetone	4.418	58	179631	490.785	ug/l	99
16) Carbon Disulfide	4.700	76	459029	100.434	ug/l	96
17) Allyl chloride	5.018	41	267807	109.310	ug/l	94
18) Methylene Chloride	5.265	84	180429	99.947	ug/l #	78
19) trans-1,2-Dichloroethene	5.771	96	179702	104.084	ug/l	96
20) Diisopropyl ether	6.659	45	716276	116.829	ug/l	96
21) 1,1-Dichloroethane	6.559	63	350403	104.297	ug/l	94
22) cis-1,2-Dichloroethene	7.471	96	218931	106.465	ug/l	96
23) tert-Butyl Alcohol	5.530	59	188001	526.419	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	643113	113.513	ug/l	100
25) Chloroform	7.953	83	371819	102.383	ug/l	93
26) Cyclohexane	8.241	56	275243	110.370	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	246447	107.702	ug/l	100
30) 2-Butanone	7.471	43	867970	563.818	ug/l	98
31) 2,2-Dichloropropane	7.471	77	317310	105.589	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	310928	104.559	ug/l	100
33) Carbon Tetrachloride	8.347	117	269515	103.204	ug/l	95
34) Benzene	8.588	78	799937	109.691	ug/l	98
35) Methacrylonitrile	7.765	41	198890	125.042	ug/l	91
36) 1,2-Dichloroethane	8.653	62	312795	107.300	ug/l	100
37) Trichloroethene	9.335	130	173681	101.798	ug/l	99
38) Methylcyclohexane	9.582	83	265038	111.959	ug/l	97
39) 1,2-Dichloropropane	9.606	63	198771	108.479	ug/l	95
40) Dibromomethane	9.688	93	152085	105.154	ug/l	98
41) Bromodichloromethane	9.871	83	299972	104.747	ug/l	92
42) Vinyl Acetate	6.594	43	3082991	584.822	ug/l	98

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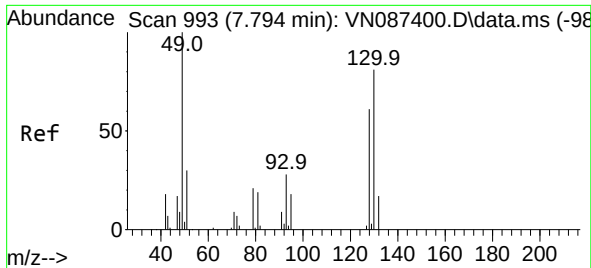
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Reviewed By : John Carlone 07/24/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	347433m	108.011	ug/l	
44) Isopropyl Acetate	8.677	43	570478	116.638	ug/l	97
45) 1,4-Dioxane	9.682	88	67414	2252.970	ug/l #	53
46) Methyl methacrylate	9.665	41	266368	118.595	ug/l	97
47) n-amyl Acetate	12.488	43	392036	155.261	ug/l #	61
48) t-1,3-Dichloropropene	10.818	75	346146	114.806	ug/l	95
49) cis-1,3-Dichloropropene	10.294	75	335279	109.996	ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	198480	107.054	ug/l	97
51) Ethyl methacrylate	10.859	69	348561	124.230	ug/l	97
52) 1,3-Dichloropropane	11.141	76	344160	109.468	ug/l	98
53) Dibromochloromethane	11.341	129	238288	109.403	ug/l	99
54) 1,2-Dibromoethane	11.453	107	212324	109.402	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	859399	571.543	ug/l	98
56) Bromoform	12.559	173	179680	116.837	ug/l	99
58) 4-Methyl-2-Pentanone	10.429	43	1869785	562.831	ug/l	99
59) 2-Hexanone	11.176	43	1324753	586.254	ug/l	98
61) Tetrachloroethene	11.082	164	154012	99.029	ug/l	94
62) Toluene	10.612	91	882085	105.521	ug/l	98
64) Chlorobenzene	11.871	112	558552	105.642	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	207265	106.600	ug/l	97
66) Ethyl Benzene	11.941	91	1007271	112.905	ug/l	98
67) m/p-Xylenes	12.053	106	799815	224.338	ug/l	100
68) o-Xylene	12.376	106	382248	114.390	ug/l	96
69) Styrene	12.388	104	688471	117.136	ug/l	99
70) Isopropylbenzene	12.676	105	981126	114.535	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.918	83	328735	107.367	ug/l	96
72) 1,2,3-Trichloropropane	12.970	75	280472m	72.309	ug/l	
73) Bromobenzene	12.959	156	249655	111.707	ug/l	98
74) n-propylbenzene	13.012	91	1226489	112.656	ug/l	99
75) 2-Chlorotoluene	13.106	91	743733	115.700	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	862202	116.305	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	133549	125.793	ug/l	87
78) 4-Chlorotoluene	13.200	91	787641	114.193	ug/l	100
79) tert-butylbenzene	13.418	119	735790	117.728	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	894748	117.918	ug/l	98
81) sec-Butylbenzene	13.594	105	1057779	116.006	ug/l	99
82) p-Isopropyltoluene	13.706	119	920368	117.882	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	503252	111.664	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	500608	112.392	ug/l	99
85) n-Butylbenzene	14.035	91	846776	118.736	ug/l	98
86) Hexachloroethane	14.312	117	170246	110.871	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	477483	111.689	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	78932	113.735	ug/l	91
89) 1,2,4-Trichlorobenzene	15.811	180	284691	116.752	ug/l	97
90) Hexachlorobutadiene	15.476	225	109912	108.994	ug/l	98
91) Naphthalene	15.611	128	986483	122.846	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	284691	116.752	ug/l	97

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



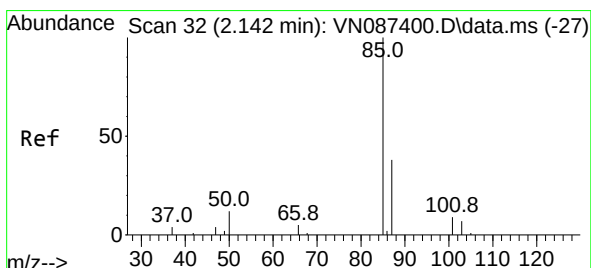
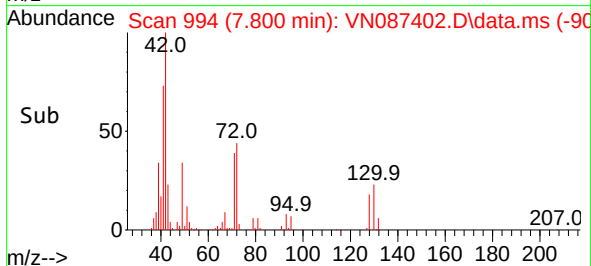
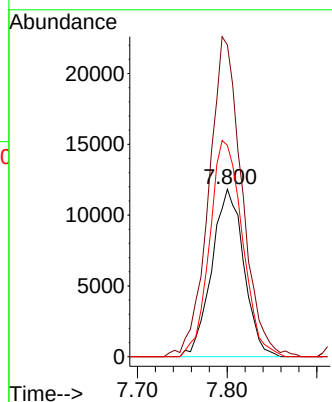
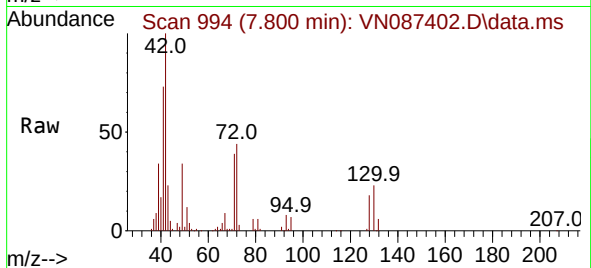
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 29344
Ion Ratio Lower Upper
128 100
49 196.4 0.0 446.2
130 132.0 0.0 331.0

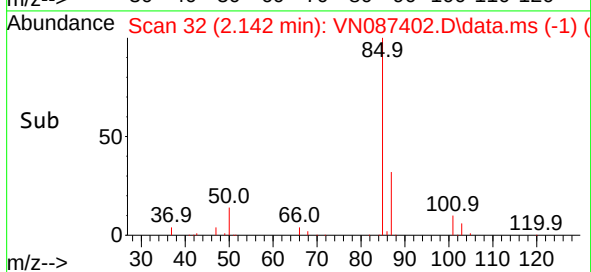
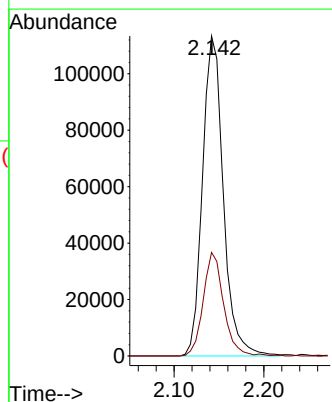
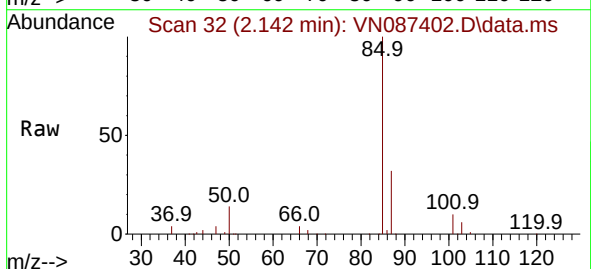
Manual Integrations
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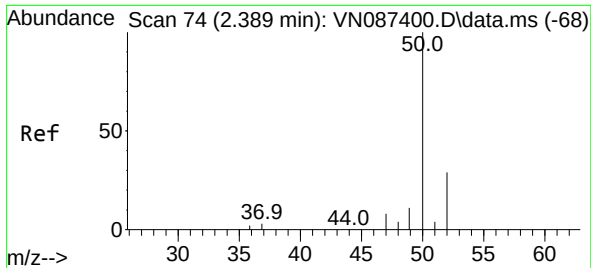
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 106.178 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 85 Resp: 182621
Ion Ratio Lower Upper
85 100
87 32.3 18.9 56.9





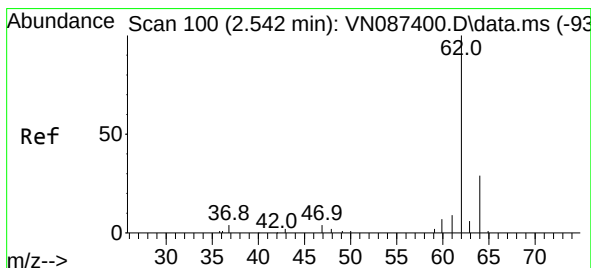
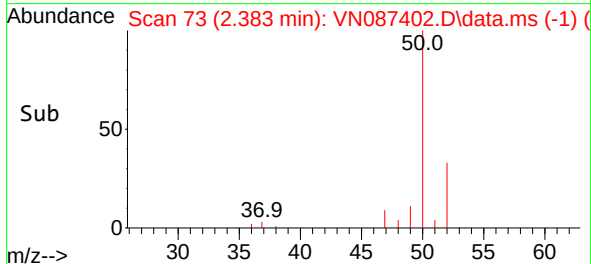
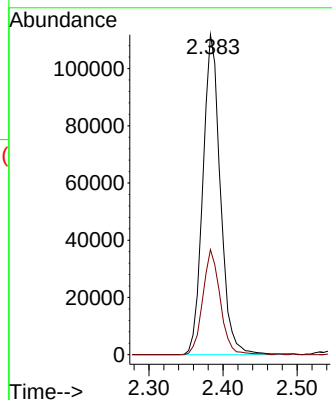
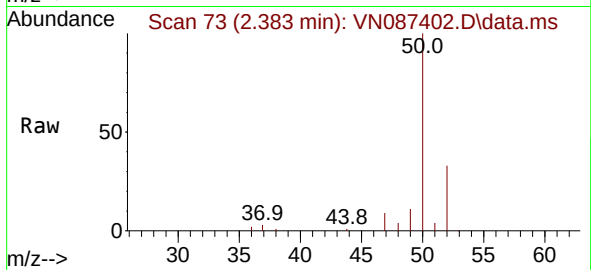
#3
Chloromethane
Concen: 105.741 ug/l
RT: 2.383 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 50 Resp: 183592
Ion Ratio Lower Upper
50 100
52 32.9 23.2 34.8

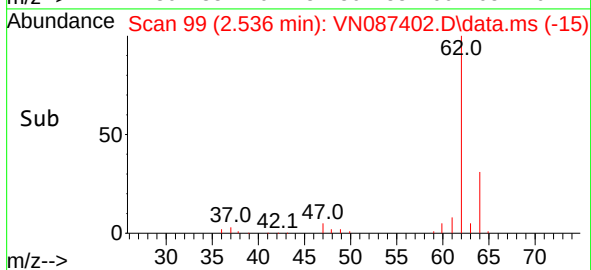
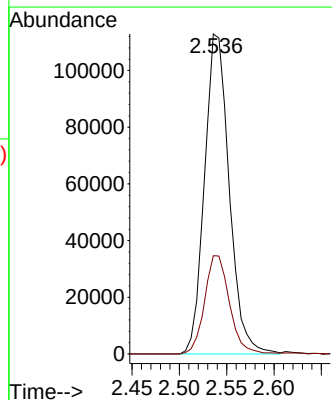
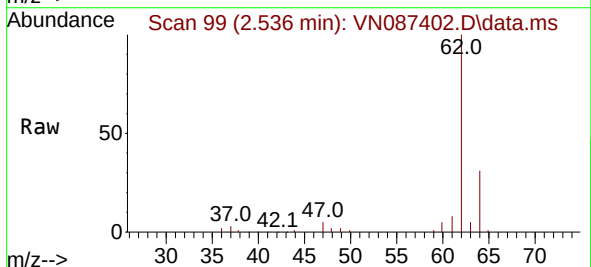
Manual Integrations
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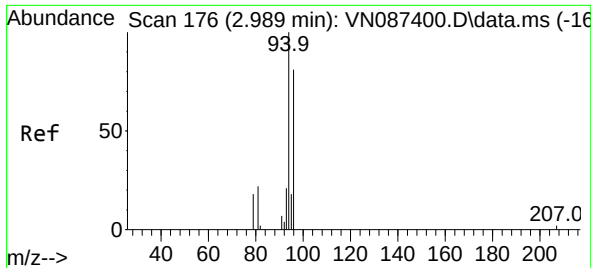
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Vinyl Chloride
Concen: 105.474 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

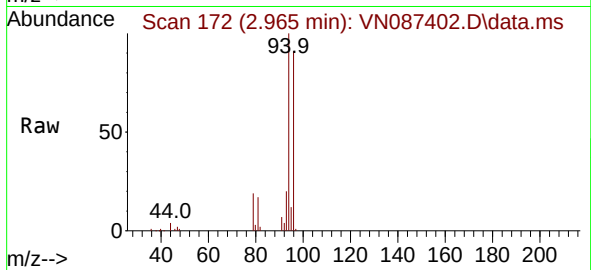
Tgt Ion: 62 Resp: 204785
Ion Ratio Lower Upper
62 100
64 30.7 23.2 34.8





#5
Bromomethane
Concen: 102.267 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

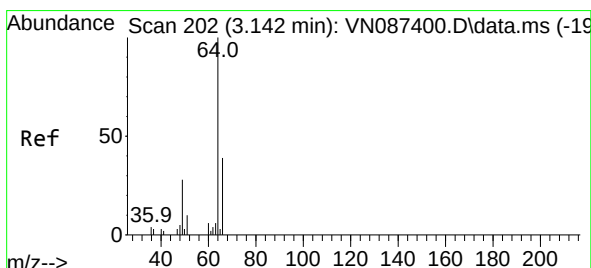
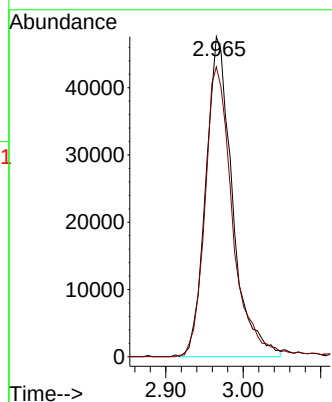
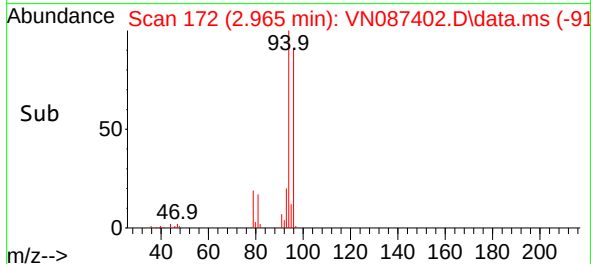
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



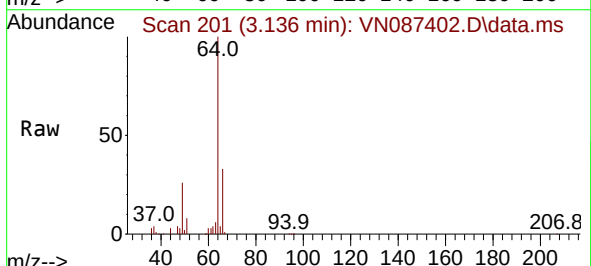
Tgt Ion: 94 Resp: 113264
Ion Ratio Lower Upper
94 100
96 90.1 64.6 96.8

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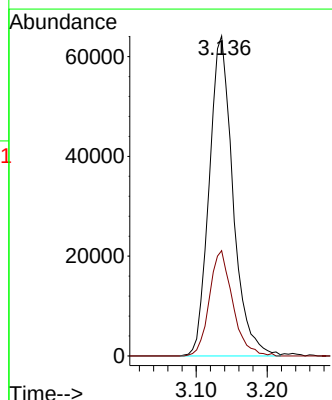
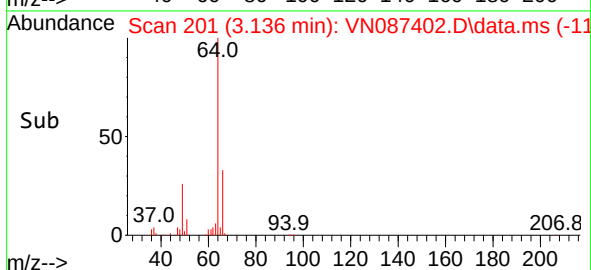
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

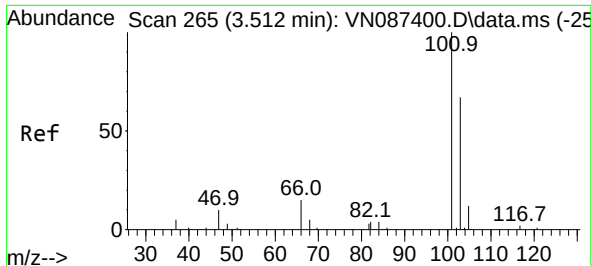


#6
Chloroethane
Concen: 99.844 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



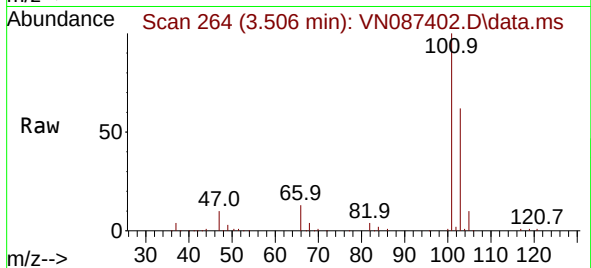
Tgt Ion: 64 Resp: 149036
Ion Ratio Lower Upper
64 100
66 32.9 31.4 47.2





#7
 Trichlorofluoromethane
 Concen: 98.524 ug/l
 RT: 3.506 min Scan# 264
 Delta R.T. -0.006 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

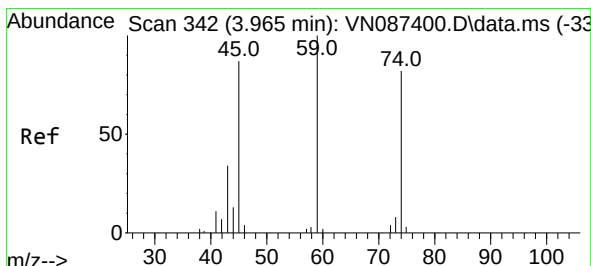
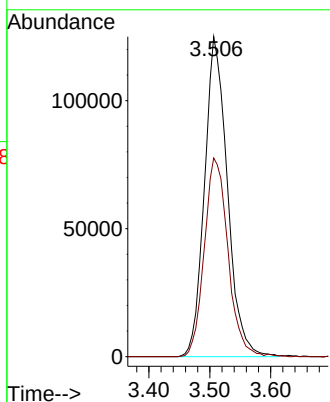
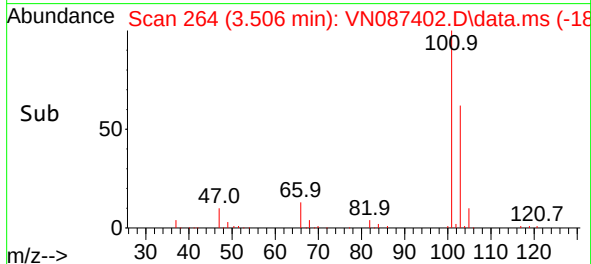
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion:101 Resp: 326470
 Ion Ratio Lower Upper
 101 100
 103 62.1 53.7 80.5

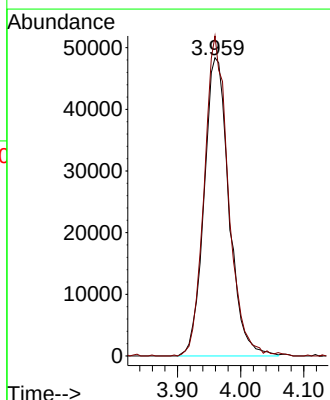
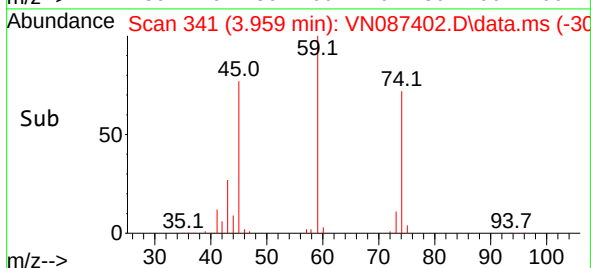
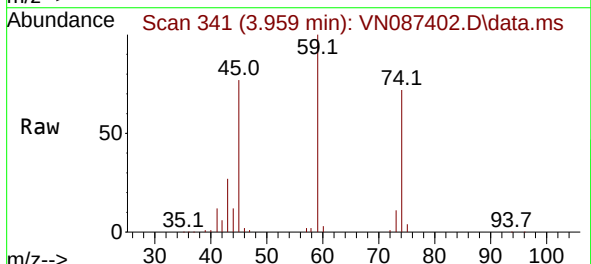
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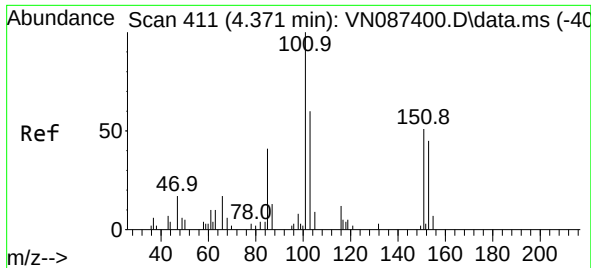
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#8
 Diethyl Ether
 Concen: 102.777 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

Tgt Ion: 74 Resp: 132659
 Ion Ratio Lower Upper
 74 100
 45 103.3 21.4 192.8





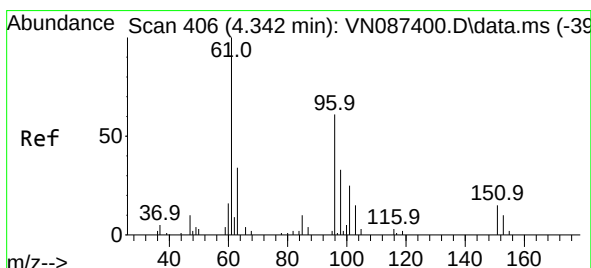
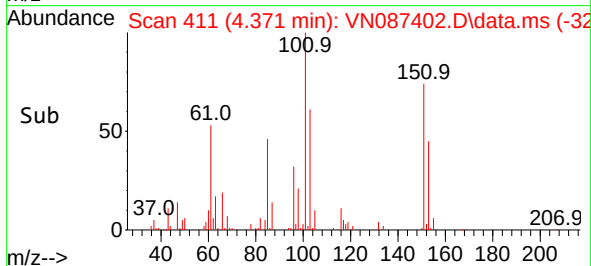
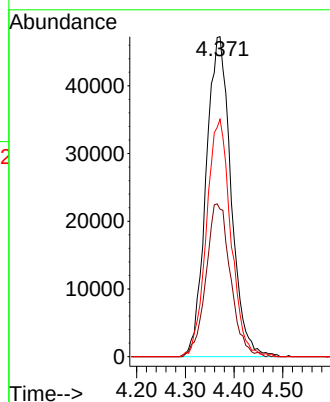
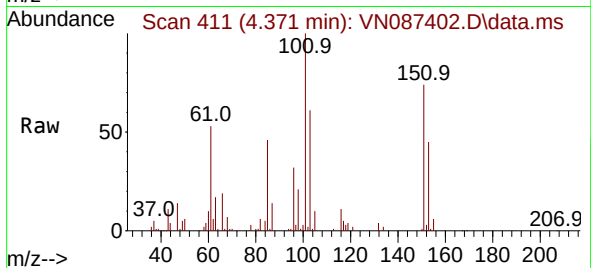
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 1,1,2-Trichlorotrifluoroethane
 Concen: 97.955 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:101 Resp: 168029
 Ion Ratio Lower Upper
 101 100
 85 46.6 0.0 94.8
 151 71.8 0.0 64.8

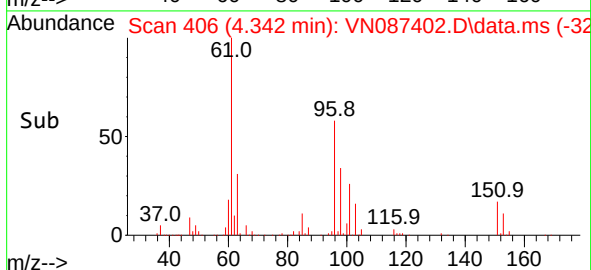
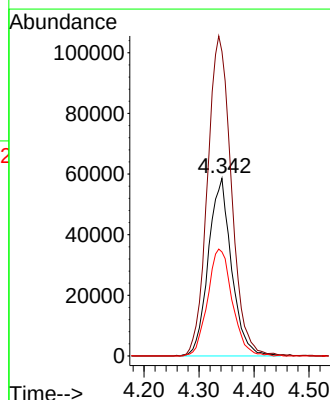
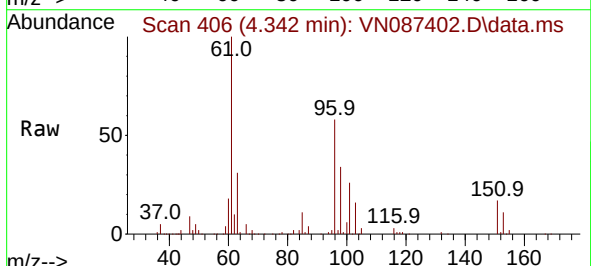
Manual Integrations
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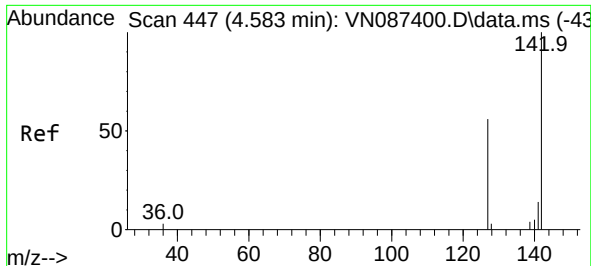
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#10
 1,1-Dichloroethene
 Concen: 96.634 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

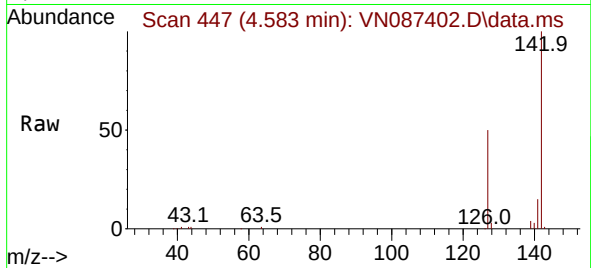
Tgt Ion: 96 Resp: 171802
 Ion Ratio Lower Upper
 96 100
 61 171.3 131.8 197.8
 98 58.6 43.0 64.4





#11
Methyl Iodide
Concen: 131.630 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

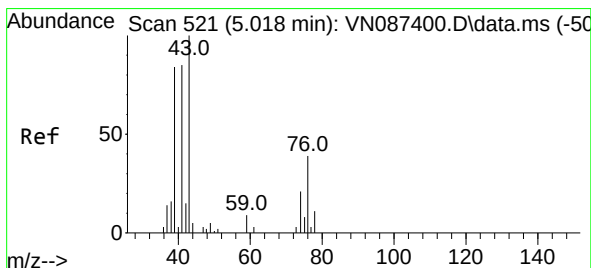
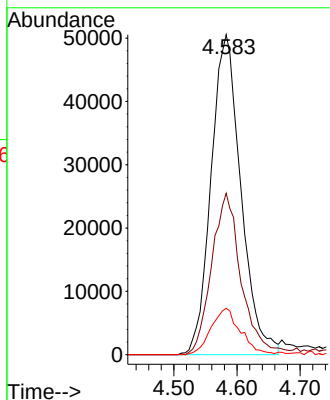
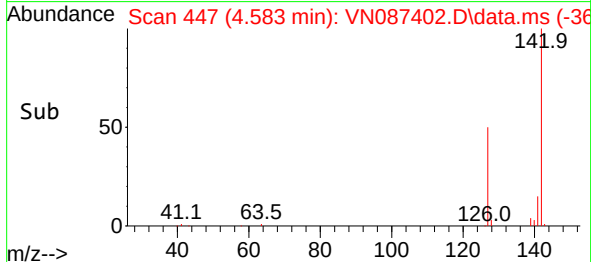
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:142 Resp: 165750
Ion Ratio Lower Upper
142 100
127 50.2 27.7 83.0
141 14.4 7.2 21.6

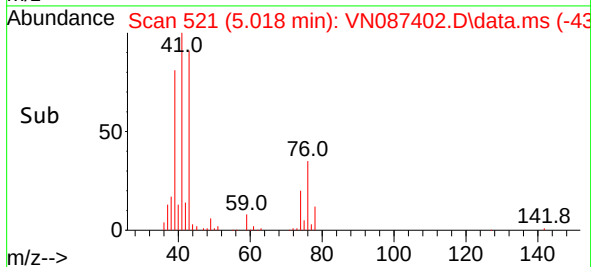
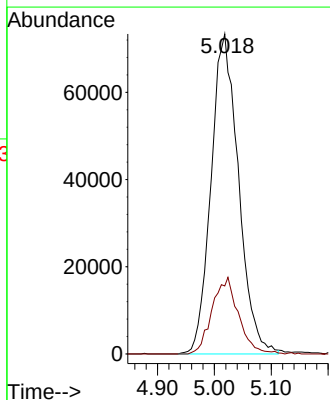
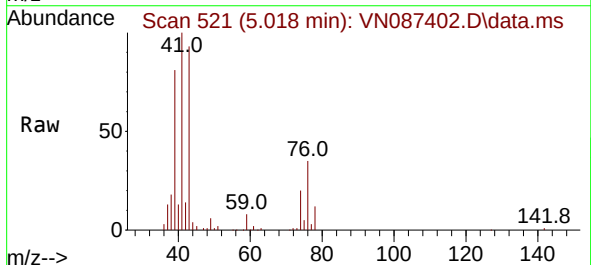
Manual Integrations
APPROVED

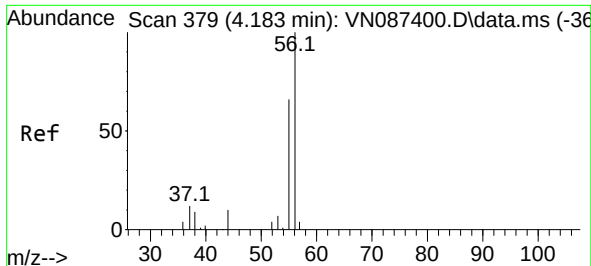
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#12
Methyl Acetate
Concen: 106.898 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 43 Resp: 246565
Ion Ratio Lower Upper
43 100
74 21.2 16.9 25.3





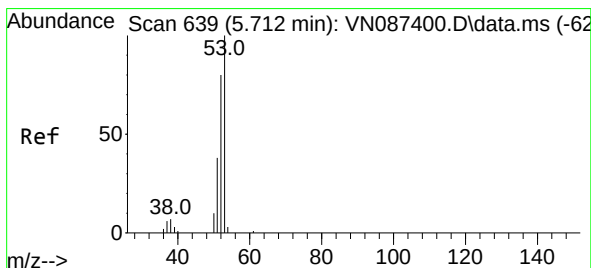
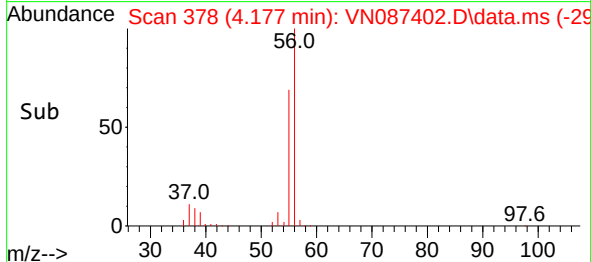
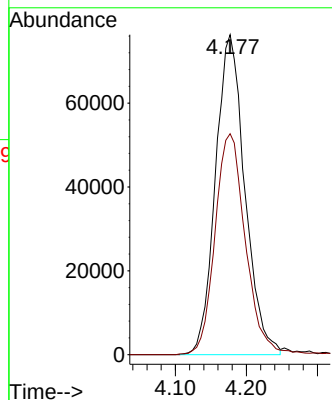
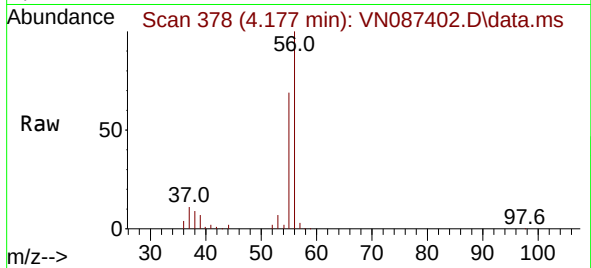
#13
Acrolein
Concen: 550.256 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 21914
Ion Ratio Lower Upper
56 100
55 71.2 56.8 85.2

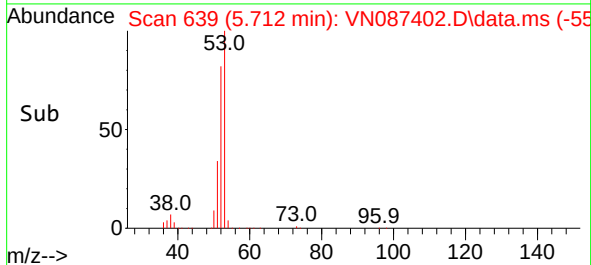
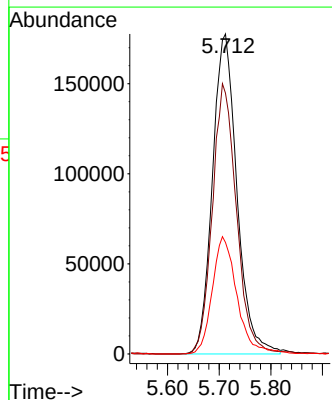
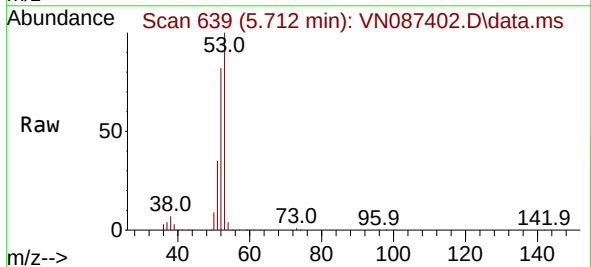
Manual Integrations
APPROVED

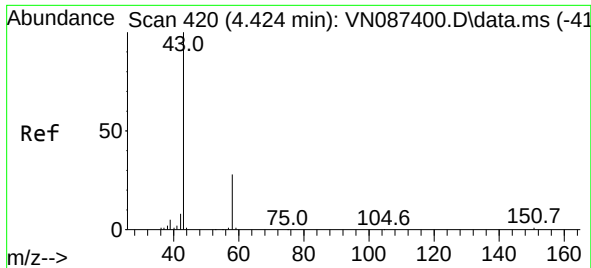
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#14
Acrylonitrile
Concen: 557.775 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

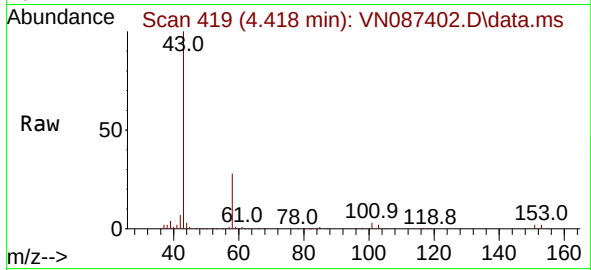
Tgt Ion: 53 Resp: 584920
Ion Ratio Lower Upper
53 100
52 82.9 41.5 124.6
51 37.0 19.4 58.4





#15
Acetone
Concen: 490.785 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

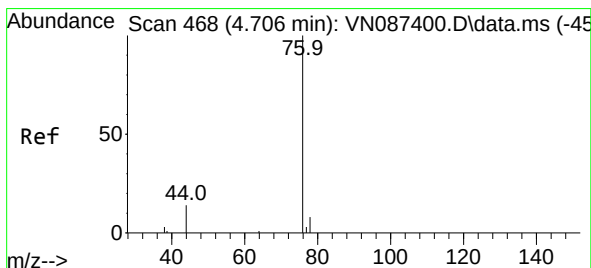
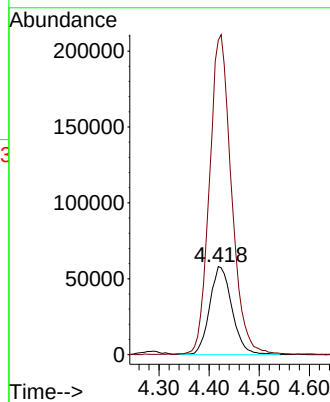
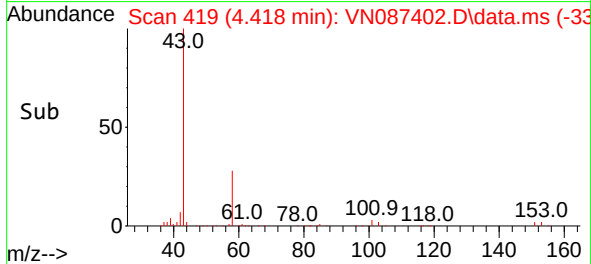
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



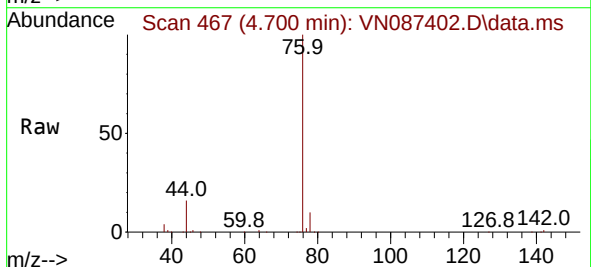
Tgt Ion: 58 Resp: 17963
Ion Ratio Lower Upper
58 100
43 355.4 283.4 425.0

Manual Integrations
APPROVED

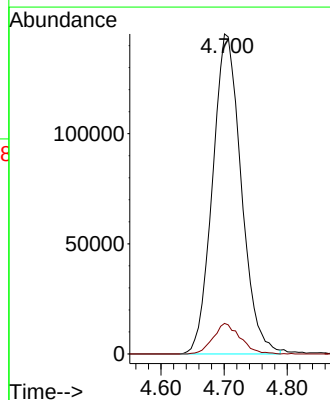
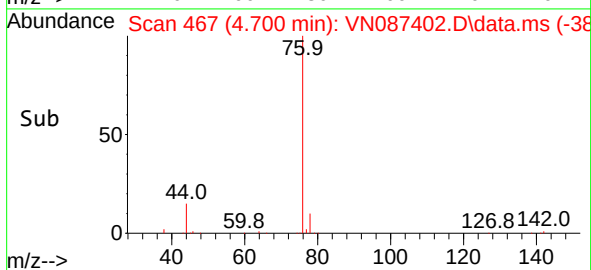
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

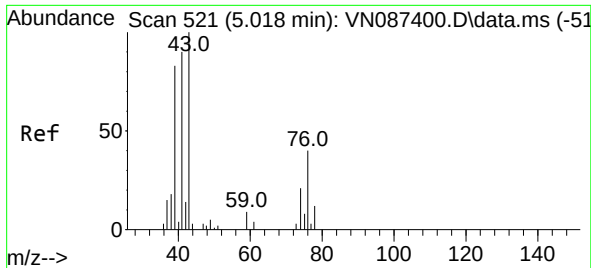


#16
Carbon Disulfide
Concen: 100.434 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



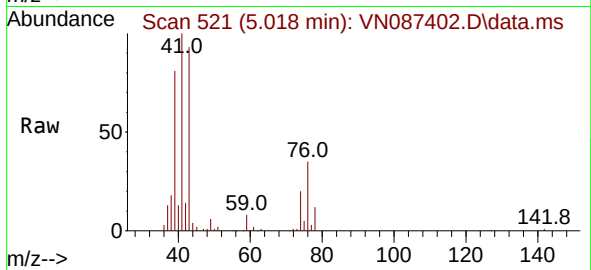
Tgt Ion: 76 Resp: 459029
Ion Ratio Lower Upper
76 100
78 9.6 6.6 10.0





#17
 Allyl chloride
 Concen: 109.310 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

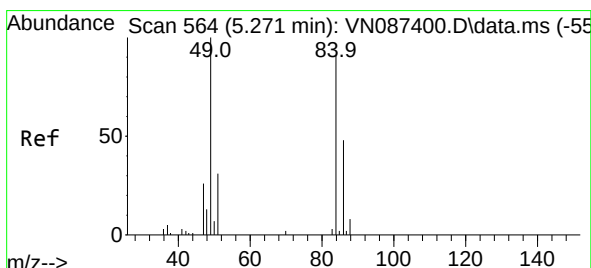
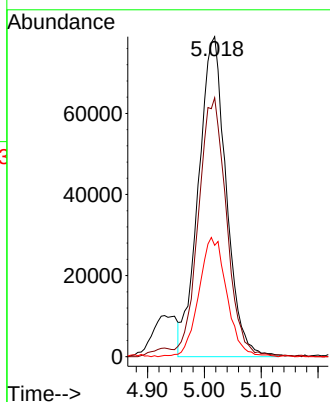
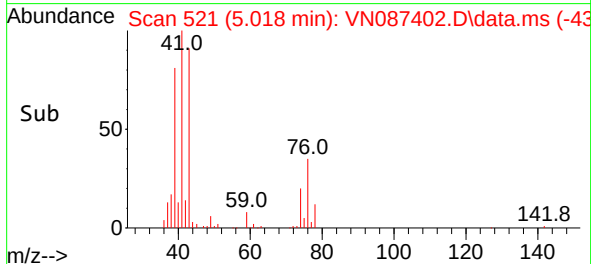
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion: 41 Resp: 26780
 Ion Ratio Lower Upper
 41 100
 39 80.7 42.9 128.7
 76 35.0 19.8 59.4

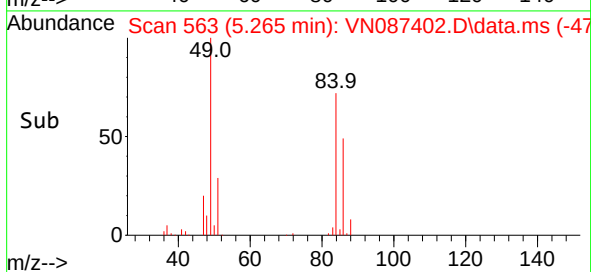
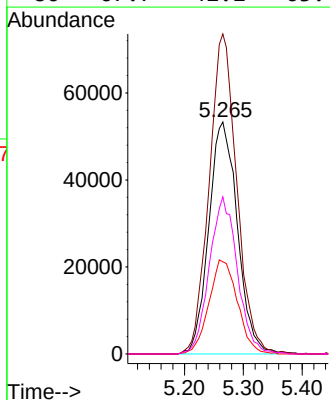
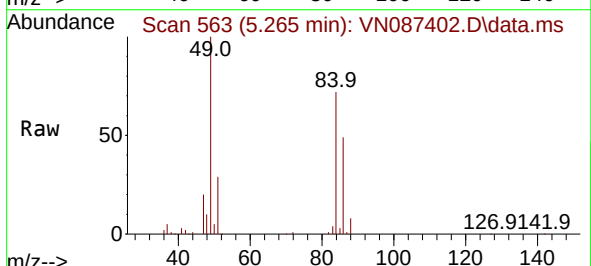
Manual Integrations
 APPROVED

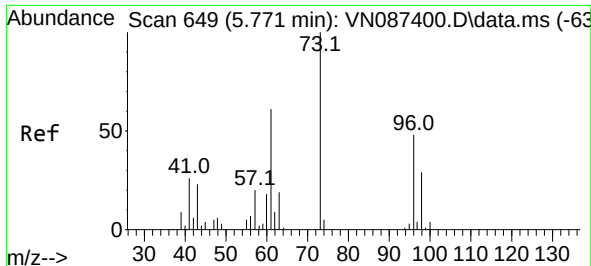
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#18
 Methylene Chloride
 Concen: 99.947 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

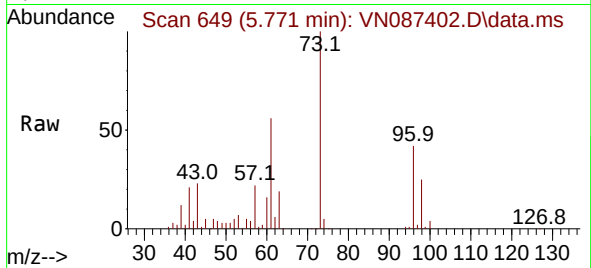
Tgt Ion: 84 Resp: 180429
 Ion Ratio Lower Upper
 84 100
 49 138.0 88.4 132.6#
 51 39.7 27.3 40.9
 86 67.7 42.2 63.4#





#19
trans-1,2-Dichloroethene
Concen: 104.084 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

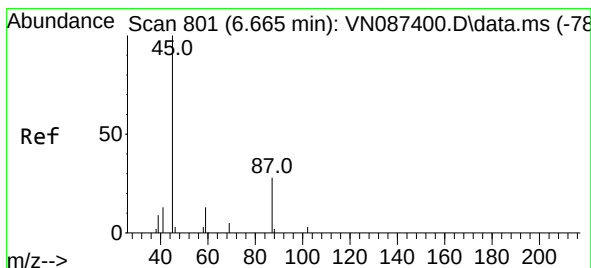
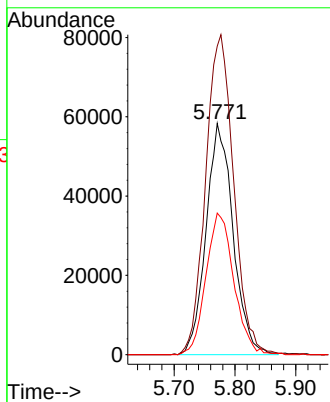
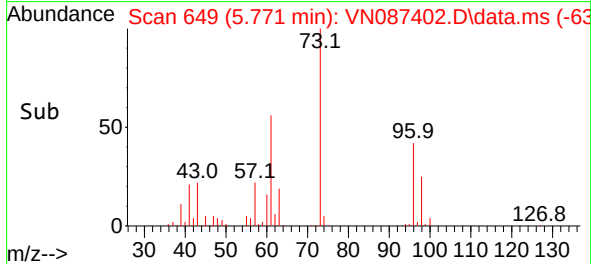
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 179702
Ion Ratio Lower Upper
96 100
61 133.5 101.7 152.5
98 61.3 48.2 72.4

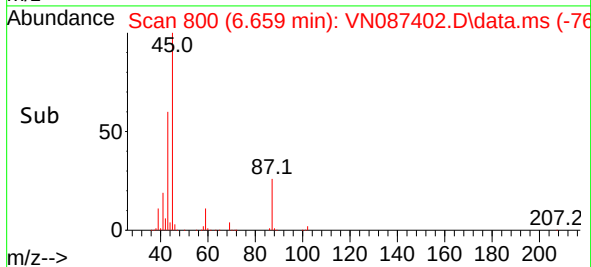
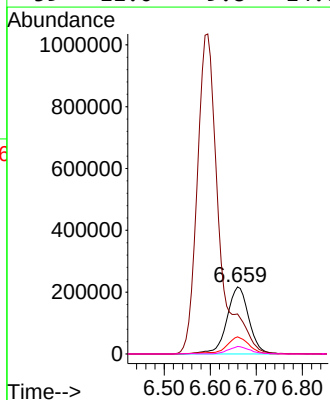
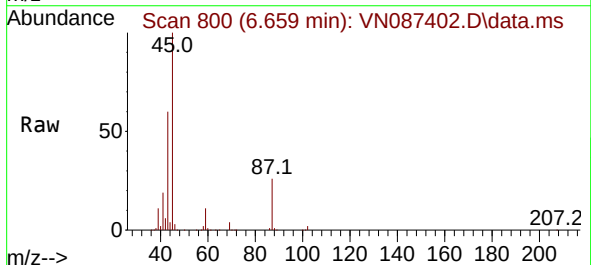
Manual Integrations
APPROVED

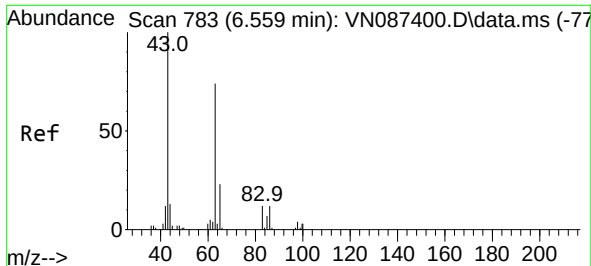
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#20
Diisopropyl ether
Concen: 116.829 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 45 Resp: 716276
Ion Ratio Lower Upper
45 100
43 59.0 46.0 69.0
87 25.4 23.4 35.2
59 11.0 9.8 14.6





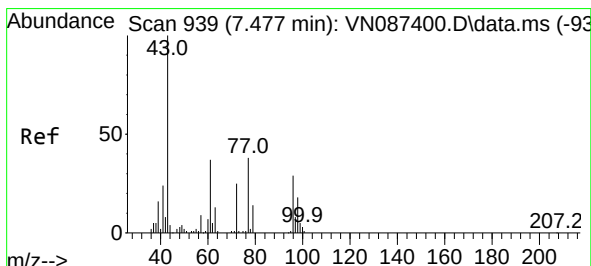
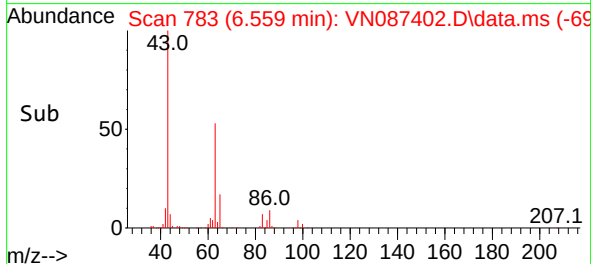
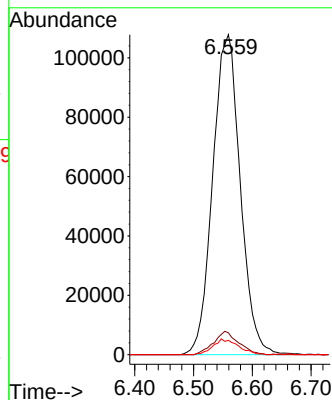
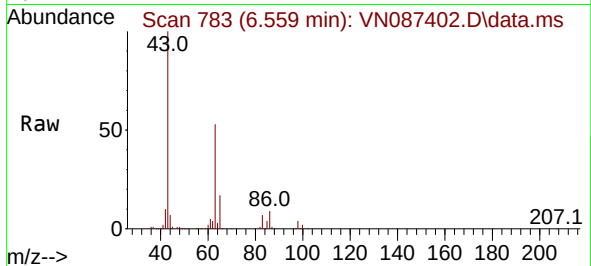
#21
1,1-Dichloroethane
Concen: 104.297 ug/l
RT: 6.559 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 35040
Ion Ratio Lower Upper
63 100
98 6.9 2.9 8.6
100 4.5 3.6 10.8

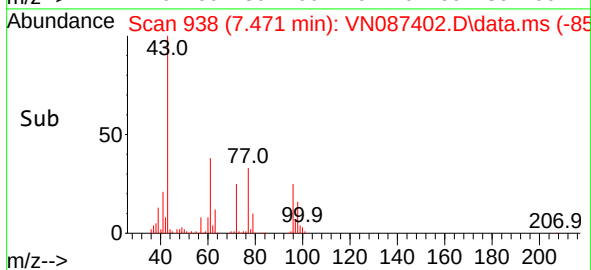
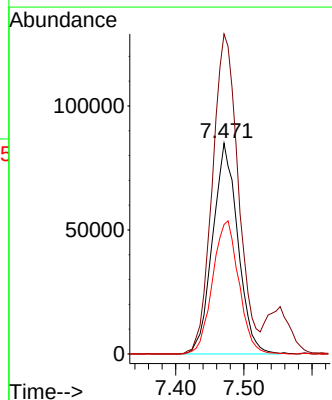
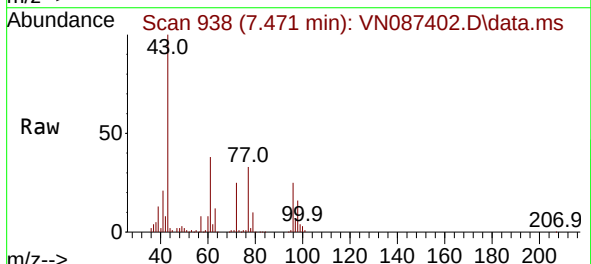
Manual Integrations
APPROVED

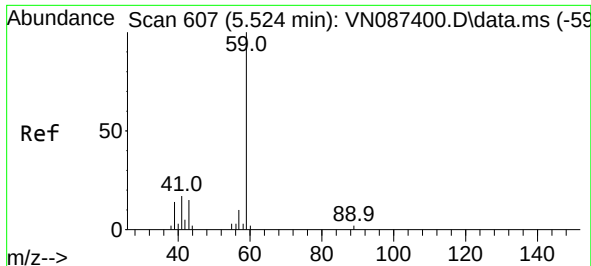
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#22
cis-1,2-Dichloroethene
Concen: 106.465 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 96 Resp: 218931
Ion Ratio Lower Upper
96 100
61 156.3 120.4 180.6
98 65.7 54.0 81.0





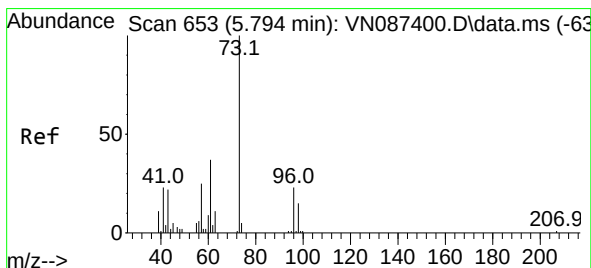
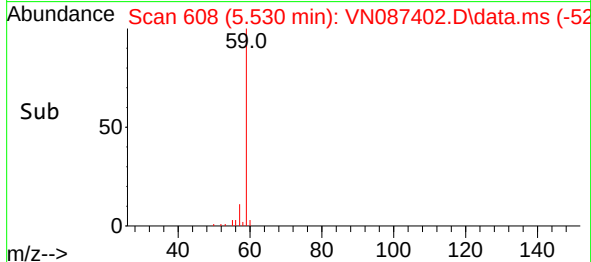
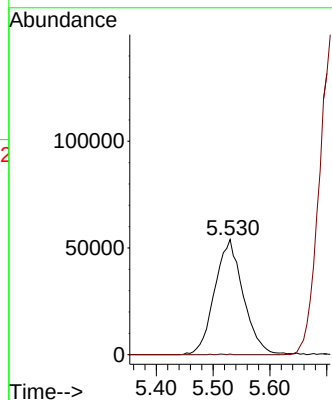
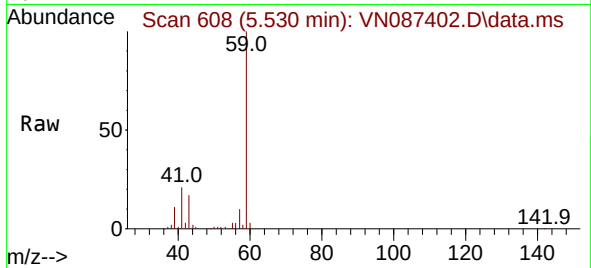
#23
tert-Butyl Alcohol
Concen: 526.419 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 59 Resp: 18800
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

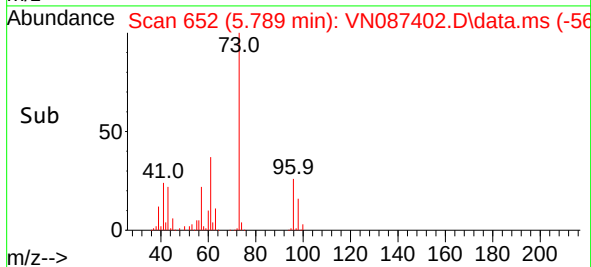
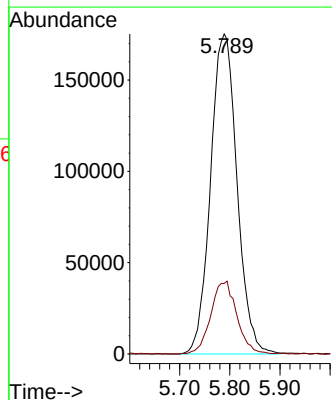
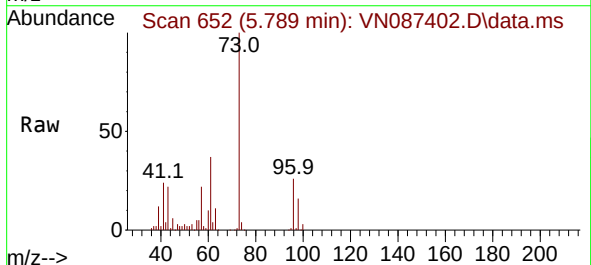
Manual Integrations
APPROVED

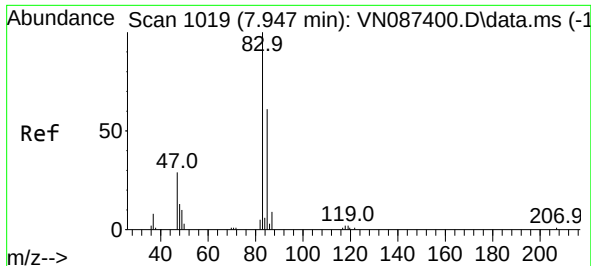
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#24
Methyl tert-Butyl Ether
Concen: 113.513 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

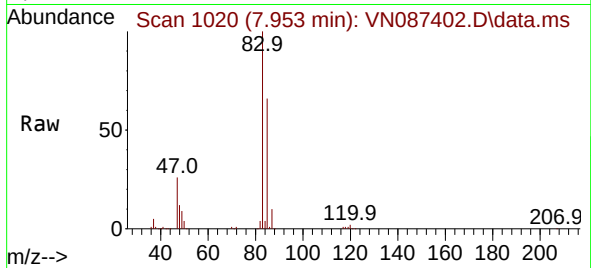
Tgt Ion: 73 Resp: 643113
Ion Ratio Lower Upper
73 100
43 22.3 17.7 26.5





#25
Chloroform
Concen: 102.383 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

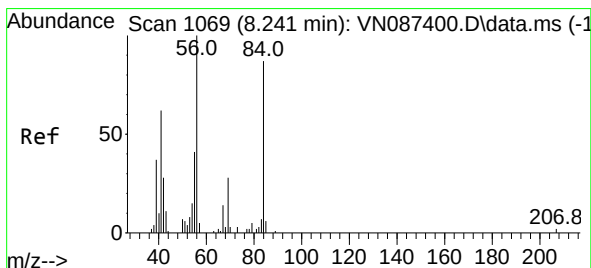
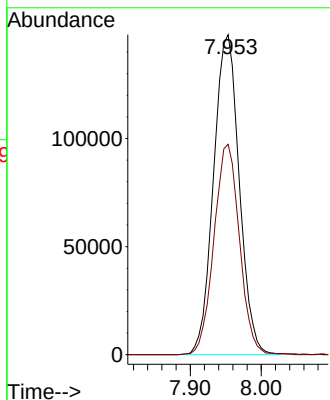
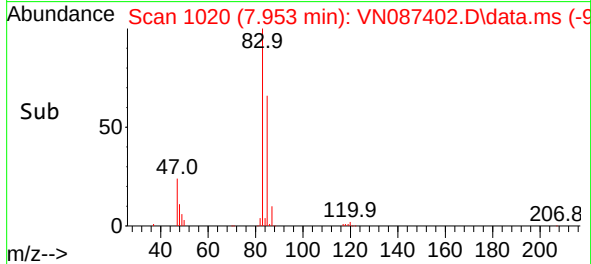
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



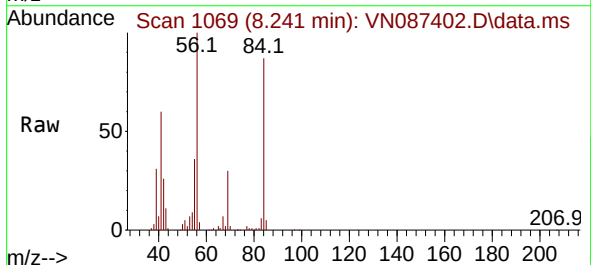
Tgt Ion: 83 Resp: 371819
Ion Ratio Lower Upper
83 100
85 65.8 48.6 73.0

Manual Integrations
APPROVED

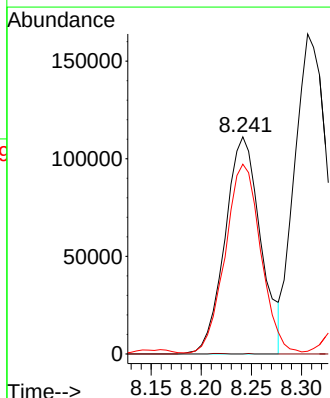
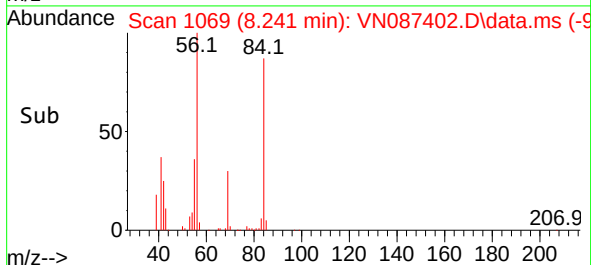
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

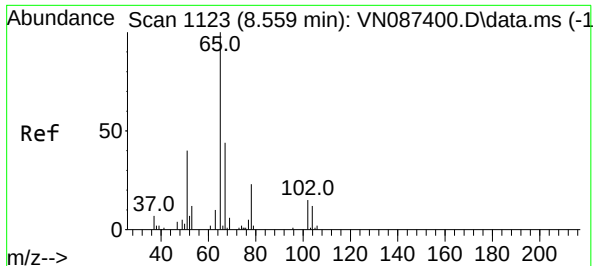


#26
Cyclohexane
Concen: 110.370 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



Tgt Ion: 56 Resp: 275243
Ion Ratio Lower Upper
56 100
89 0.1 1.5 2.3#
84 87.4 71.2 106.8





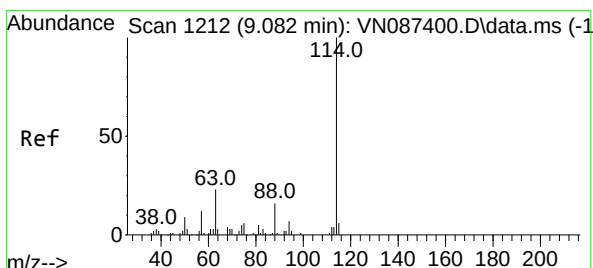
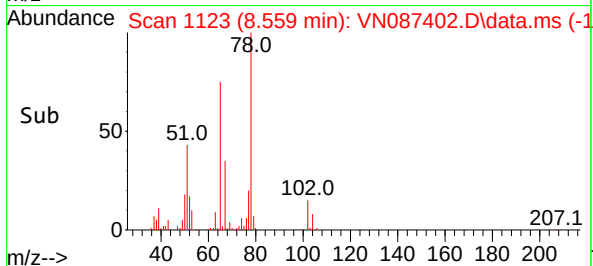
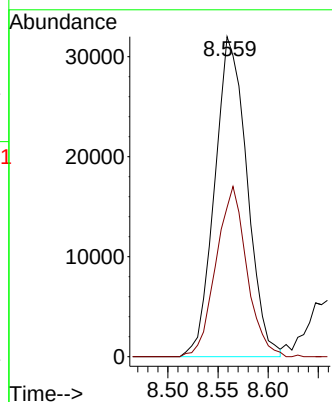
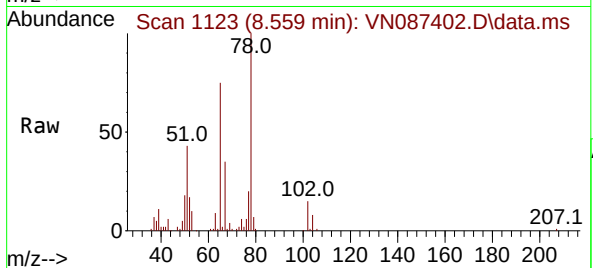
#27
1,2-Dichloroethane-d4
Concen: 29.471 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 65 Resp: 7156
Ion Ratio Lower Upper
65 100
67 50.6 40.2 60.4

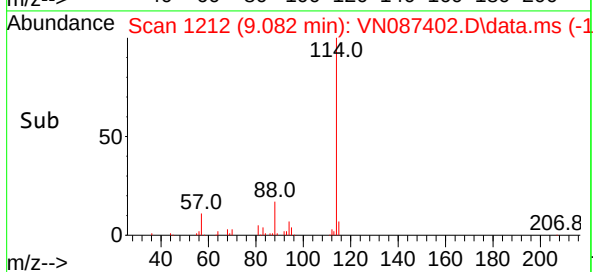
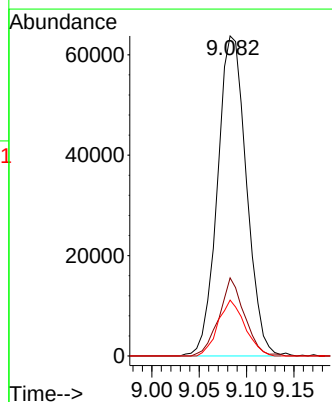
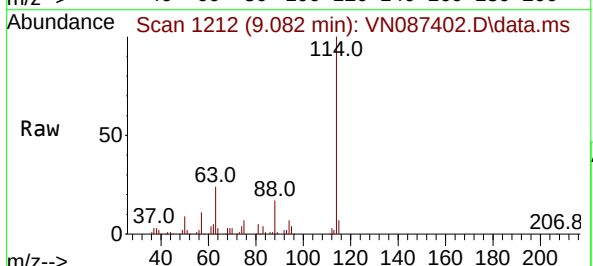
Manual Integrations
APPROVED

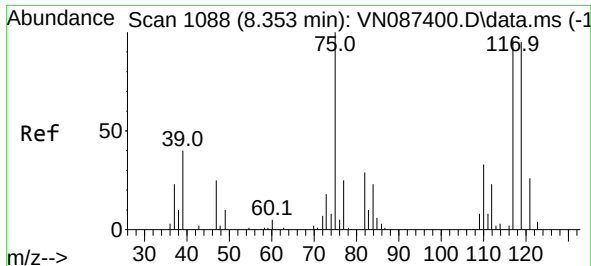
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion:114 Resp: 135338
Ion Ratio Lower Upper
114 100
63 21.3 16.8 25.2
88 16.3 12.5 18.7





#29

1,1-Dichloropropene

Concen: 107.702 ug/l

RT: 8.353 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 24644

Ion Ratio Lower Upper

75 100

110 33.1 0.0 66.4

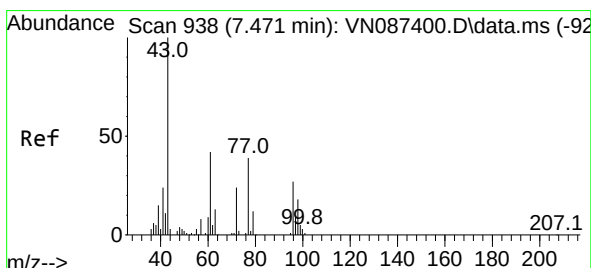
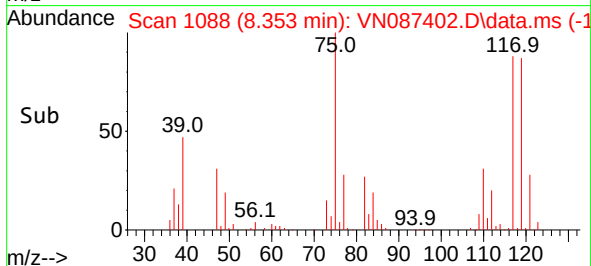
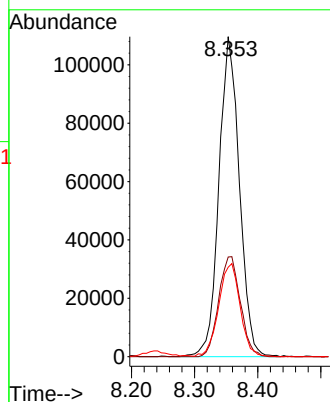
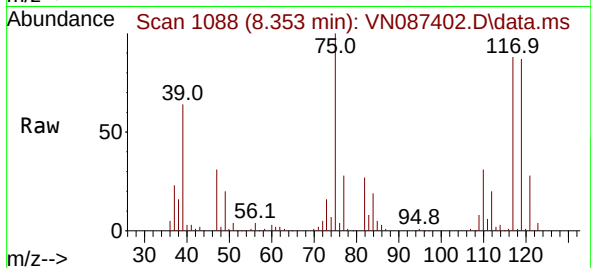
77 30.5 0.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

2-Butanone

Concen: 563.818 ug/l

RT: 7.471 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

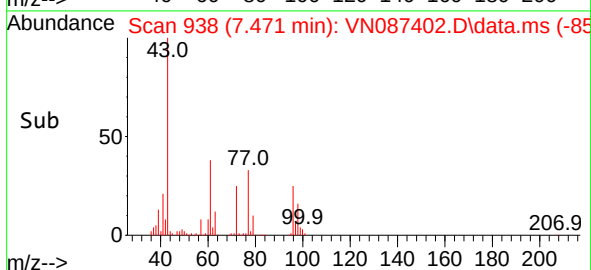
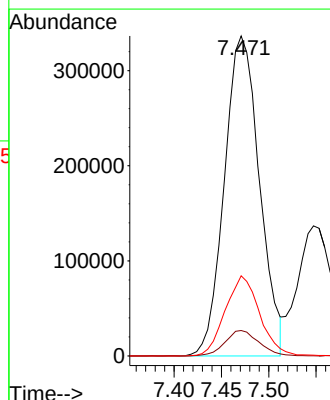
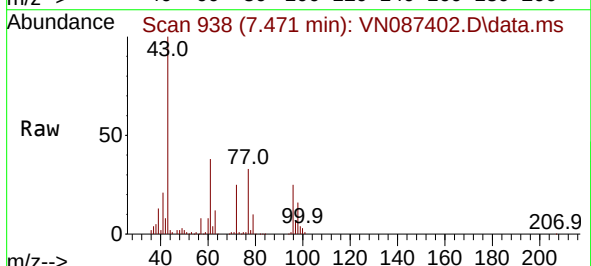
Tgt Ion: 43 Resp: 867970

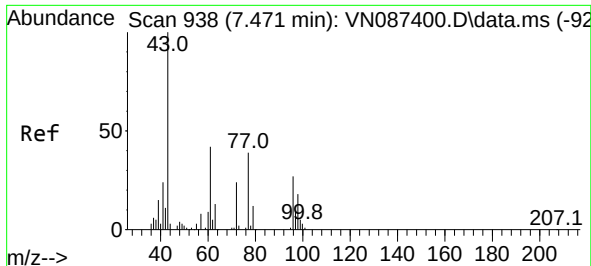
Ion Ratio Lower Upper

43 100

57 7.7 6.6 9.8

72 24.4 20.6 30.8





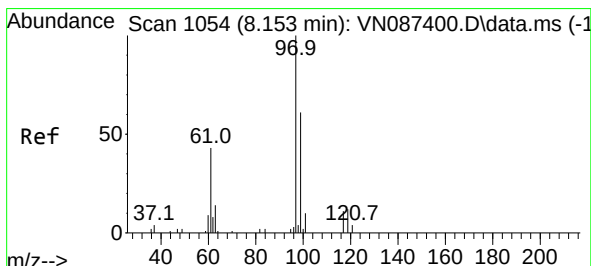
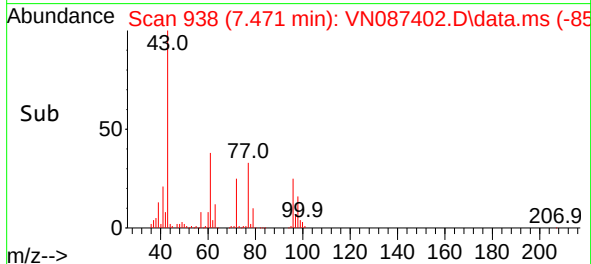
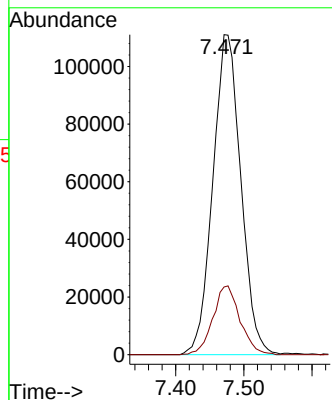
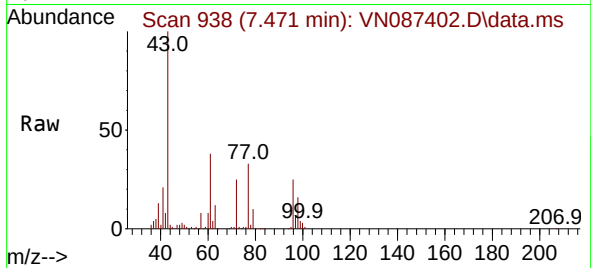
#31
2,2-Dichloropropane
Concen: 105.589 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 77 Resp: 317310
Ion Ratio Lower Upper
77 100
97 20.8 17.1 25.7

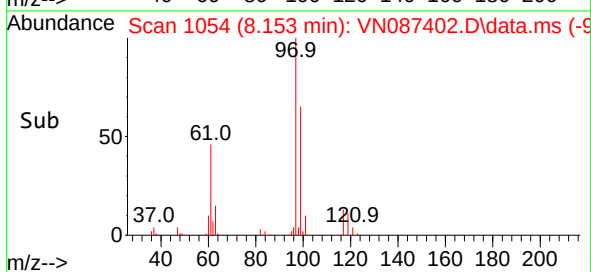
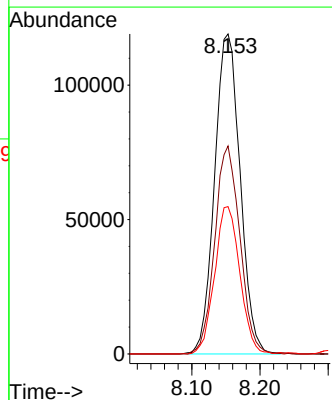
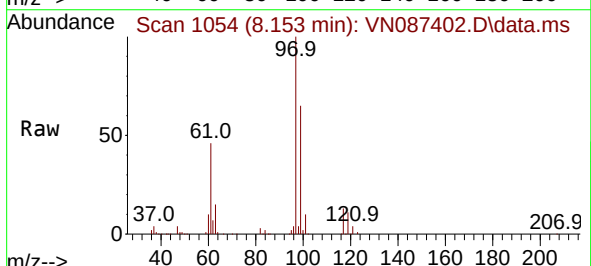
Manual Integrations
APPROVED

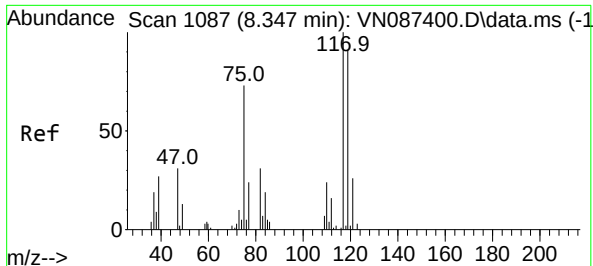
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#32
1,1,1-Trichloroethane
Concen: 104.559 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

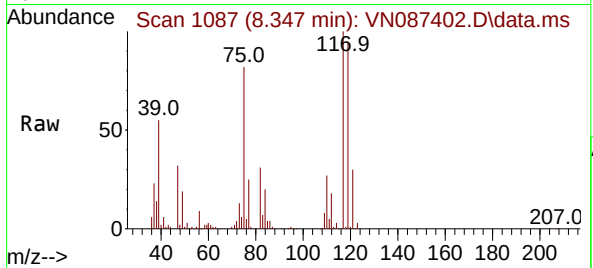
Tgt Ion: 97 Resp: 310928
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 45.4 36.1 54.1





#33
Carbon Tetrachloride
Concen: 103.204 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

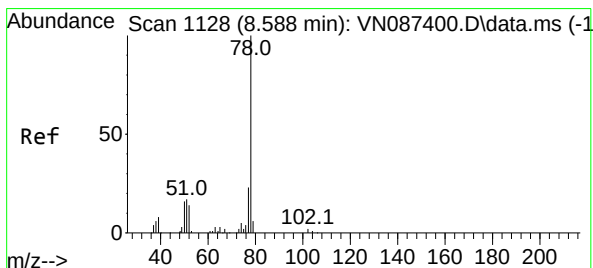
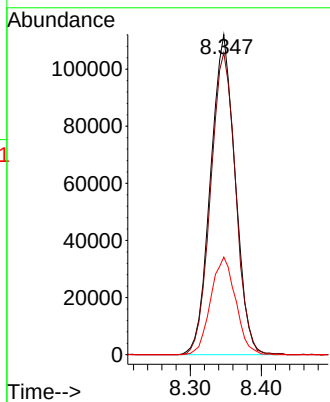
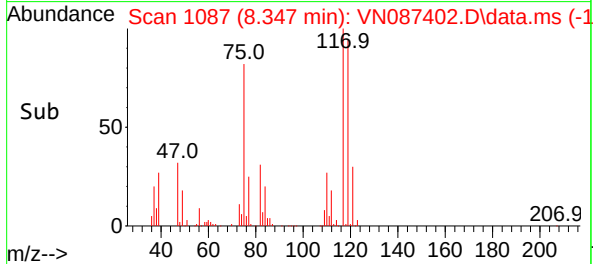
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 117 Resp: 26951
Ion Ratio Lower Upper
117 100
119 94.4 72.7 109.1
121 30.5 21.1 31.7

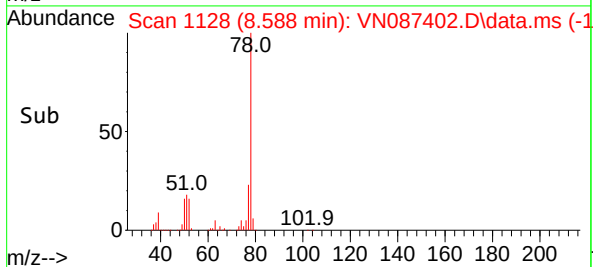
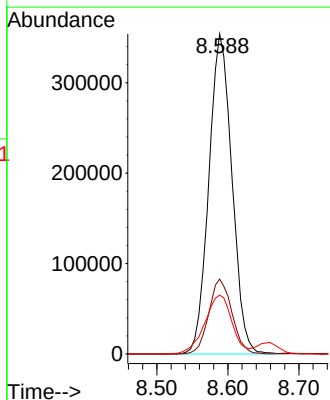
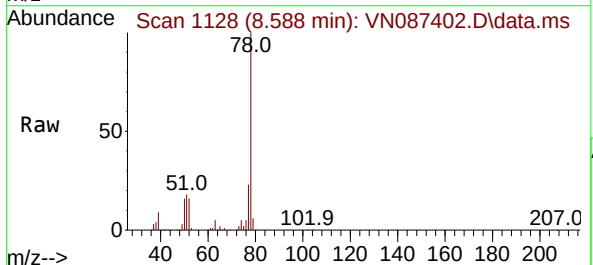
Manual Integrations
APPROVED

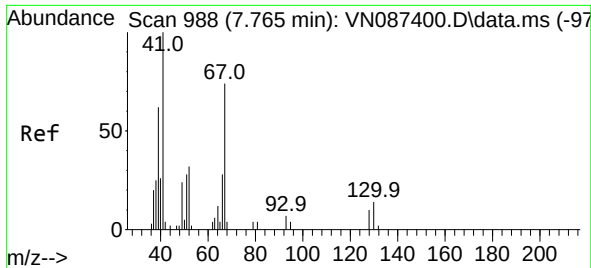
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#34
Benzene
Concen: 109.691 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

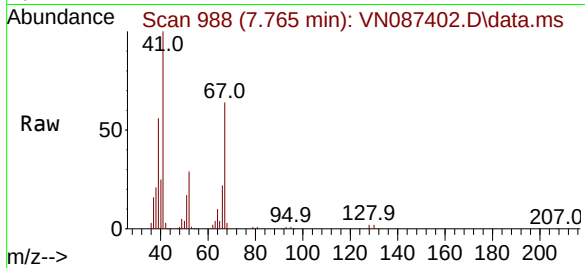
Tgt Ion: 78 Resp: 799937
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2
51 18.2 13.8 20.8





#35
Methacrylonitrile
Concen: 125.042 ug/l
RT: 7.765 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

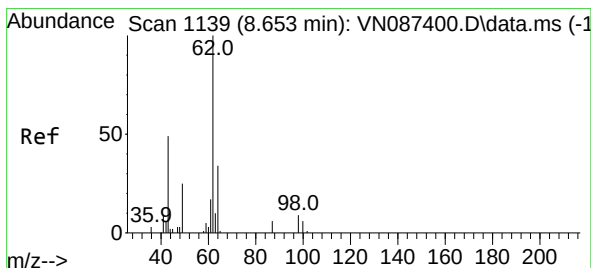
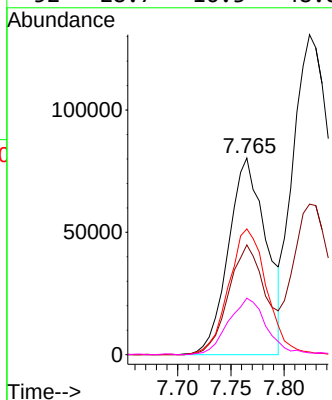
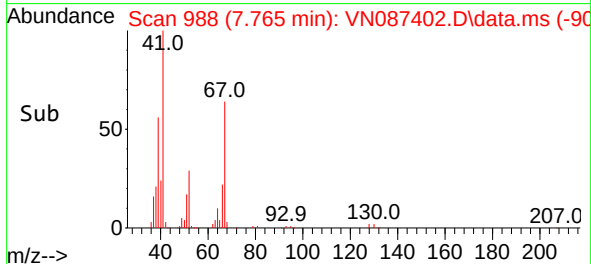
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 198890
Ion Ratio Lower Upper
41 100
39 55.9 31.0 93.0
67 63.9 36.8 110.3
52 28.7 16.3 48.8

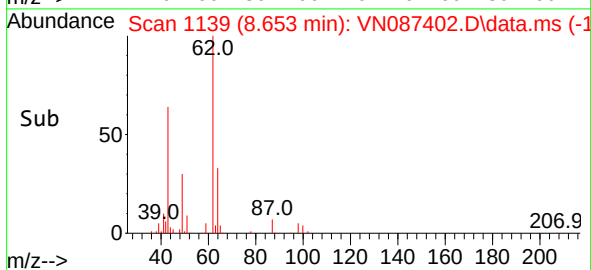
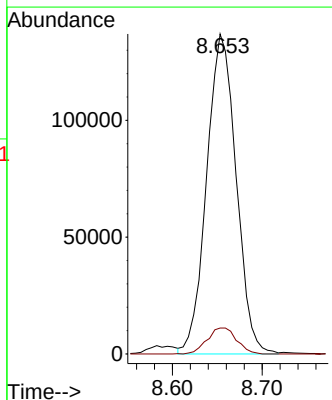
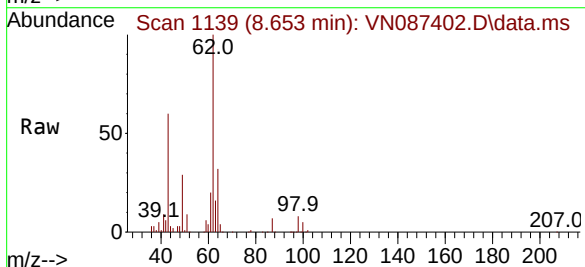
Manual Integrations
APPROVED

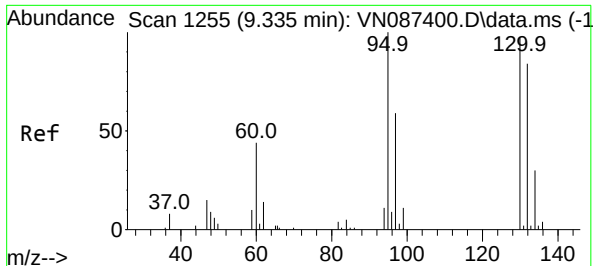
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#36
1,2-Dichloroethane
Concen: 107.300 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 62 Resp: 312795
Ion Ratio Lower Upper
62 100
98 8.1 6.6 9.8





#37

Trichloroethene

Concen: 101.798 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:130 Resp: 17368

Ion Ratio Lower Upper

130 100

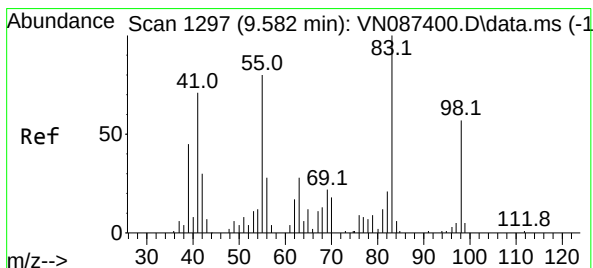
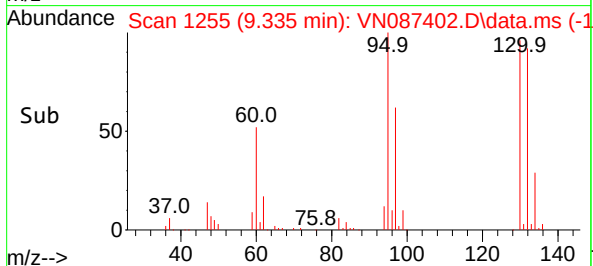
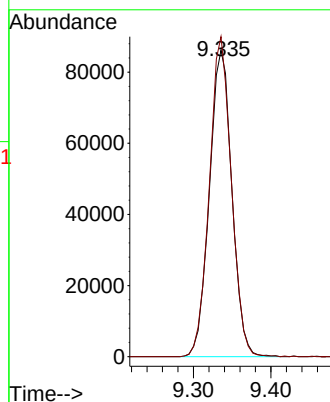
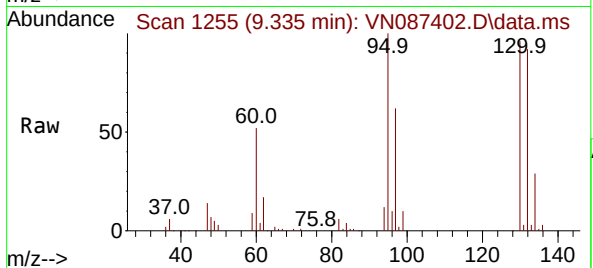
95 104.5 82.4 123.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#38

Methylcyclohexane

Concen: 111.959 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

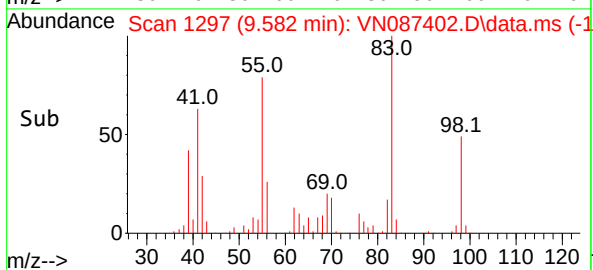
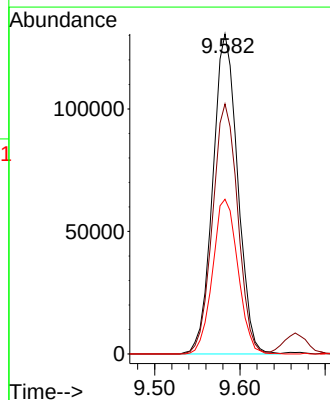
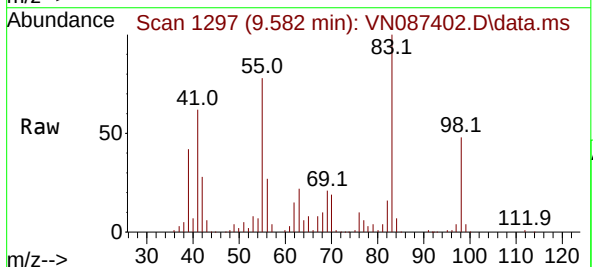
Tgt Ion: 83 Resp: 265038

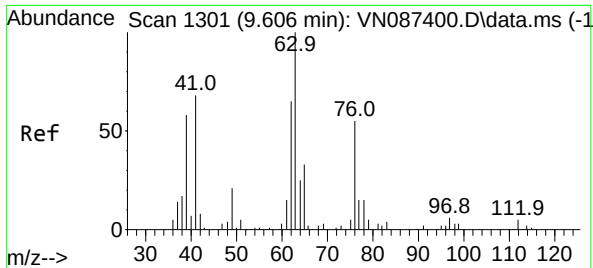
Ion Ratio Lower Upper

83 100

55 79.1 40.9 122.8

98 49.2 25.6 76.6





#39

1,2-Dichloropropane

Concen: 108.479 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 19877

Ion Ratio Lower Upper

63 100

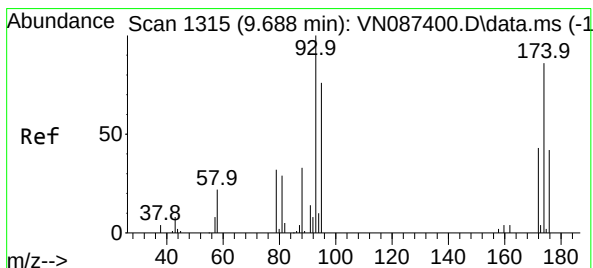
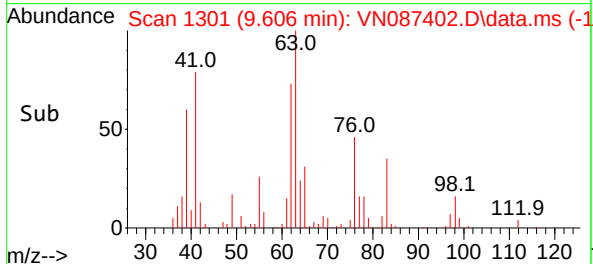
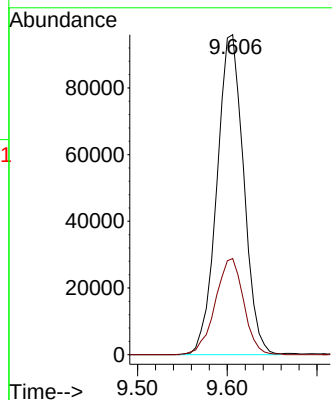
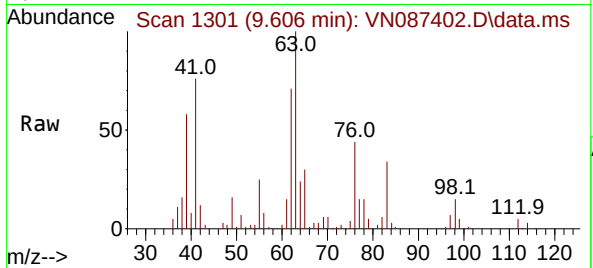
65 29.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#40

Dibromomethane

Concen: 105.154 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

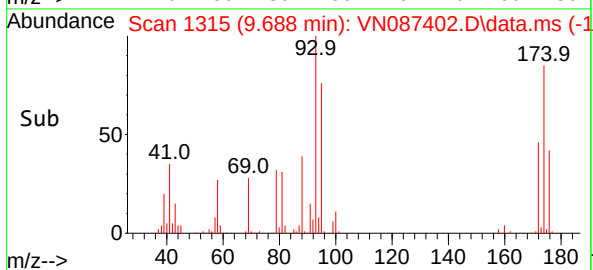
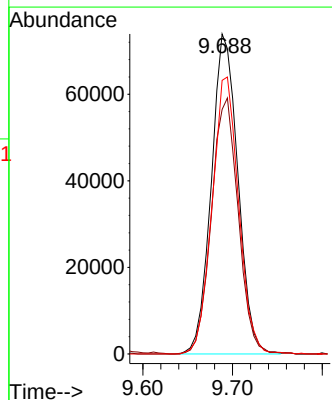
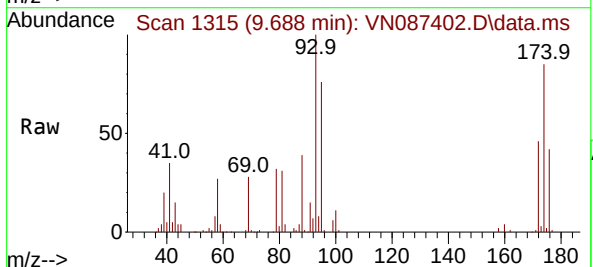
Tgt Ion: 93 Resp: 152085

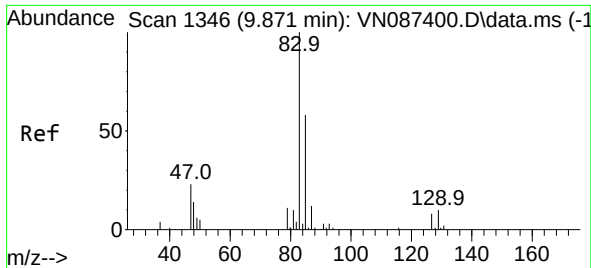
Ion Ratio Lower Upper

93 100

95 80.3 0.0 161.8

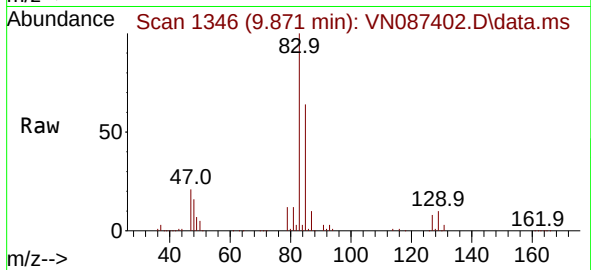
174 86.5 0.0 177.6





#41
Bromodichloromethane
Concen: 104.747 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

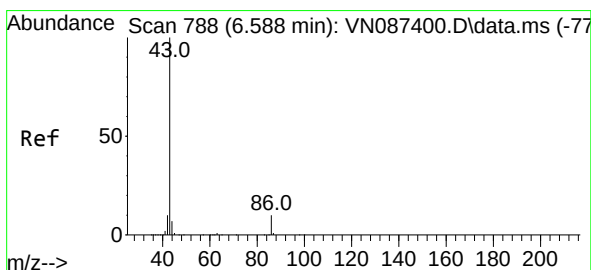
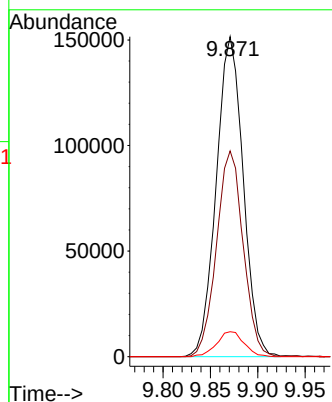
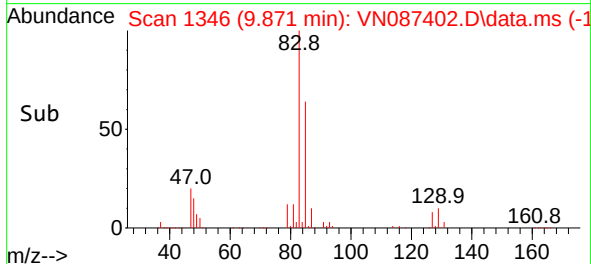
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 299972
Ion Ratio Lower Upper
83 100
85 64.3 46.2 69.2
127 7.8 6.1 9.1

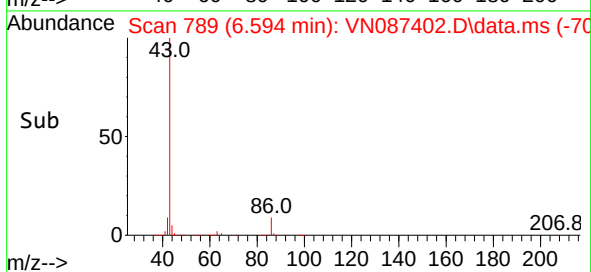
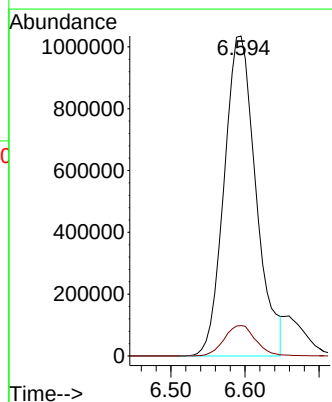
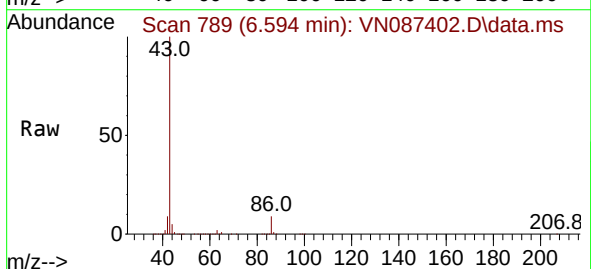
Manual Integrations
APPROVED

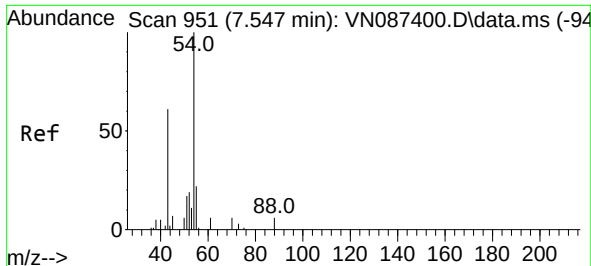
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#42
Vinyl Acetate
Concen: 584.822 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

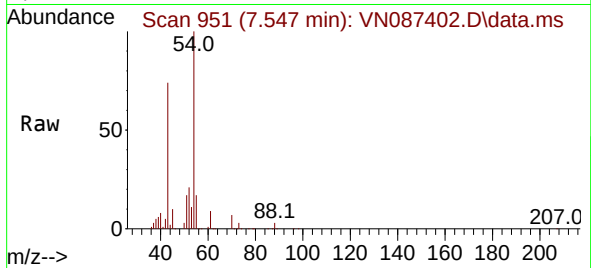
Tgt Ion: 43 Resp: 3082991
Ion Ratio Lower Upper
43 100
86 9.5 8.1 12.1





#43
Ethyl Acetate
Concen: 108.011 ug/l m
RT: 7.547 min Scan# 951
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

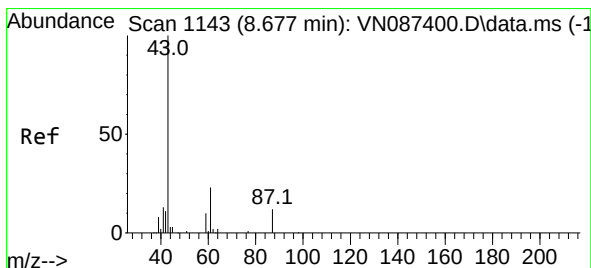
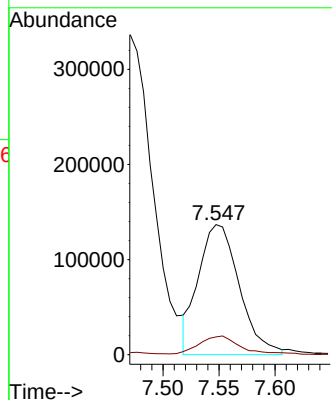
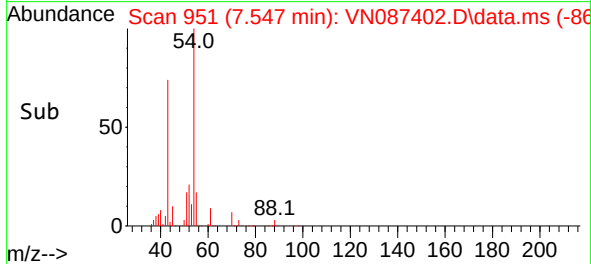
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 34743
Ion Ratio Lower Upper
43 100
45 2.1 5.6 8.4

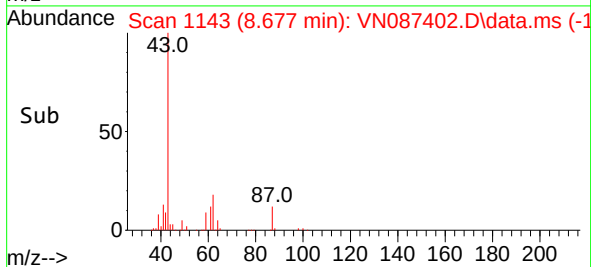
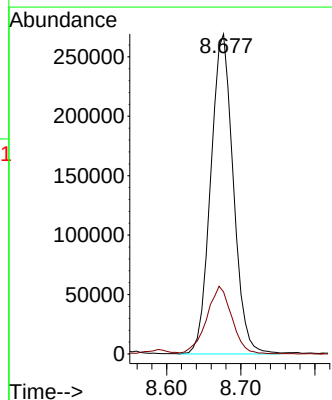
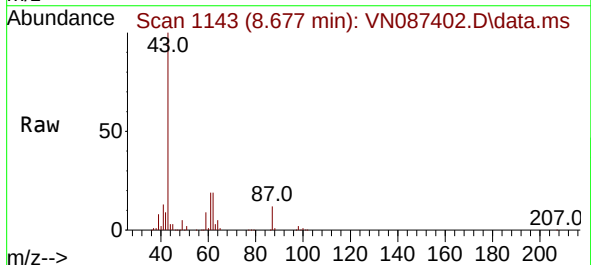
Manual Integrations
APPROVED

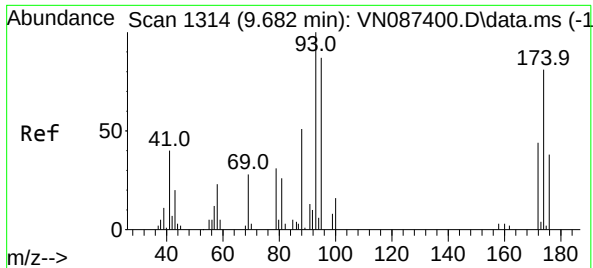
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#44
Isopropyl Acetate
Concen: 116.638 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

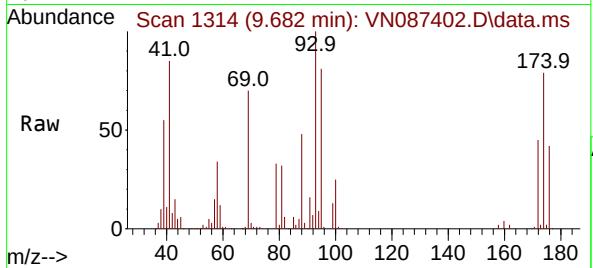
Tgt Ion: 43 Resp: 570478
Ion Ratio Lower Upper
43 100
61 23.7 20.1 30.1





#45
1,4-Dioxane
Concen: 2252.970 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

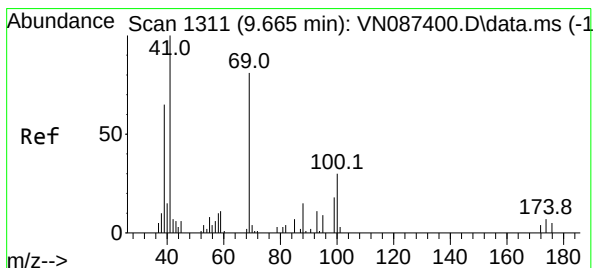
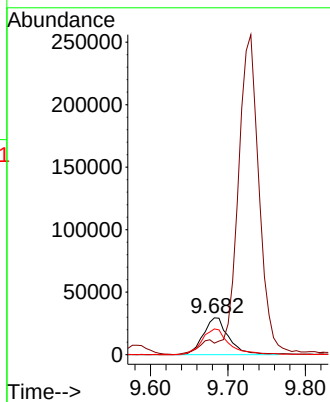
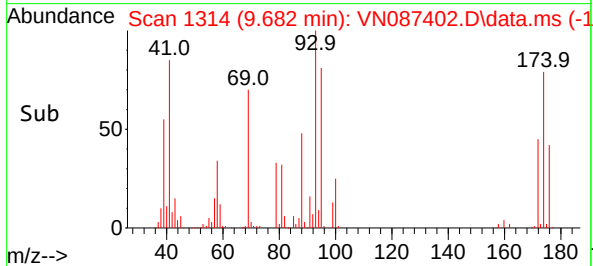
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



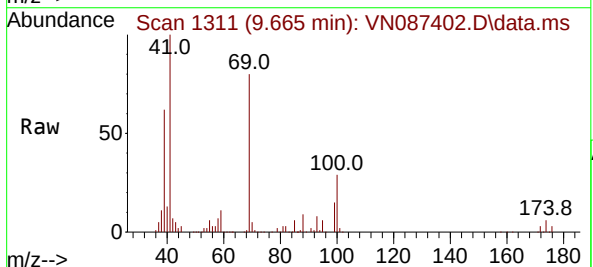
Tgt Ion: 88 Resp: 67414
Ion Ratio Lower Upper
88 100
43 25.6 29.6 44.4
58 73.9 23.5 35.3

Manual Integrations
APPROVED

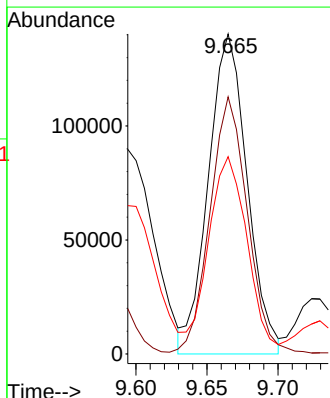
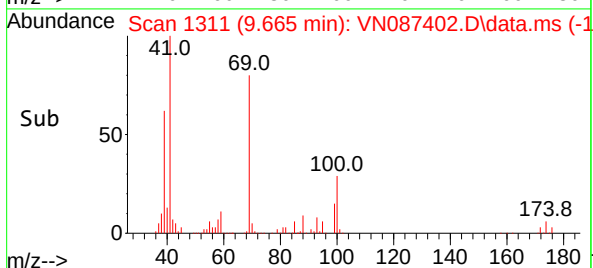
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

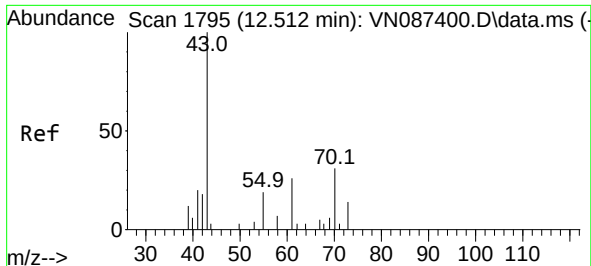


#46
Methyl methacrylate
Concen: 118.595 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



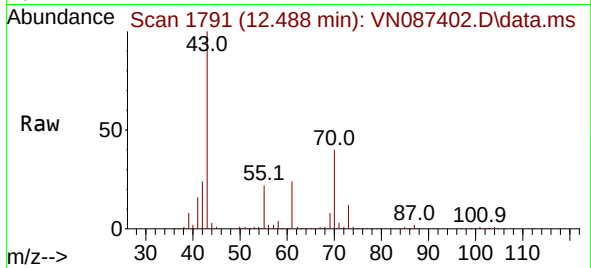
Tgt Ion: 41 Resp: 266368
Ion Ratio Lower Upper
41 100
69 82.8 39.5 118.5
39 61.7 31.6 94.7





#47
n-amy1 Acetate
Concen: 155.261 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.023 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

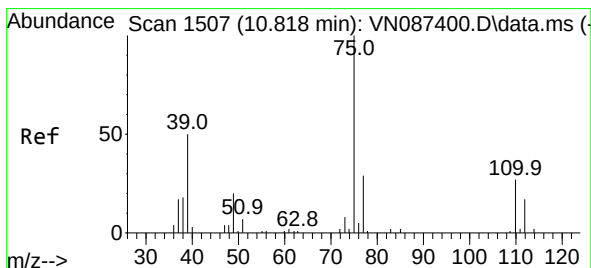
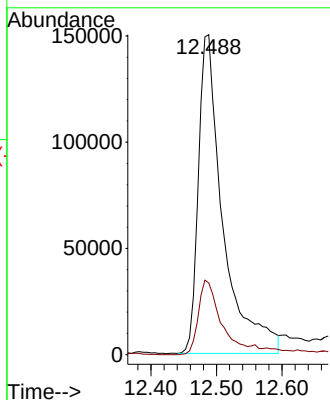
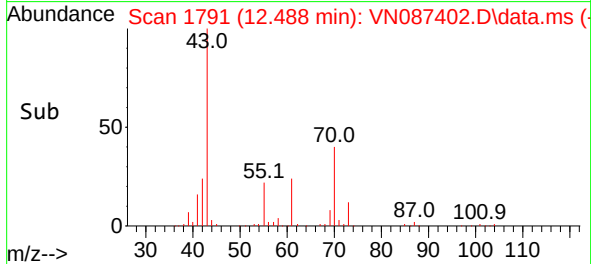
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 392030
Ion Ratio Lower Upper
43 100
55 21.2 0.6 0.8

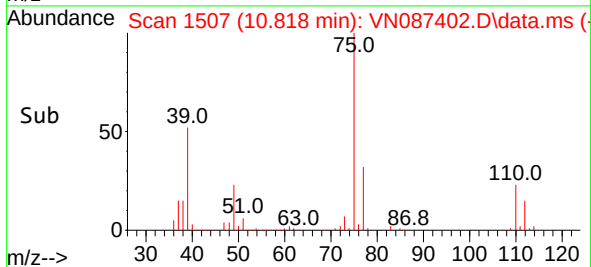
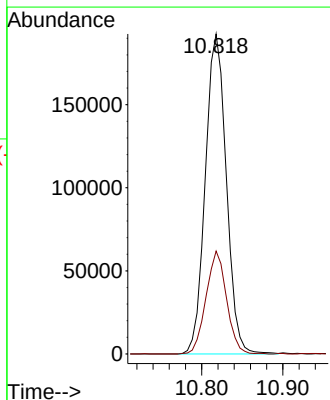
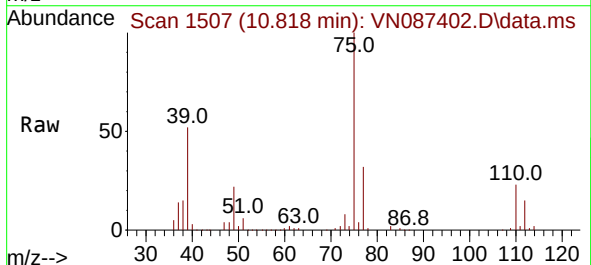
Manual Integrations
APPROVED

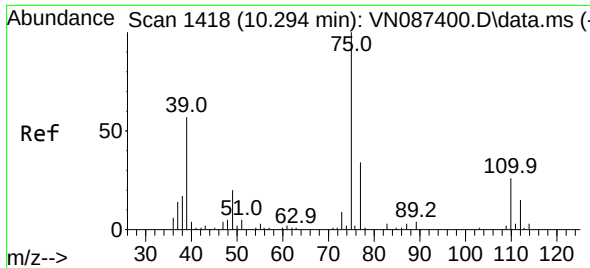
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#48
t-1,3-Dichloropropene
Concen: 114.806 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

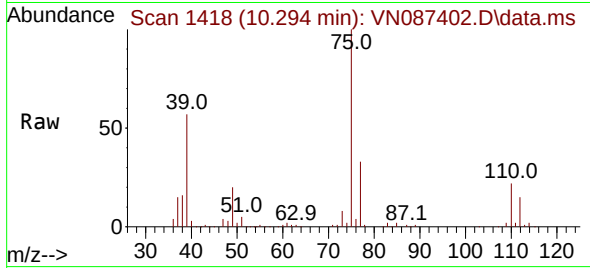
Tgt Ion: 75 Resp: 346146
Ion Ratio Lower Upper
75 100
77 32.2 23.6 35.4





#49
 cis-1,3-Dichloropropene
 Concen: 109.996 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

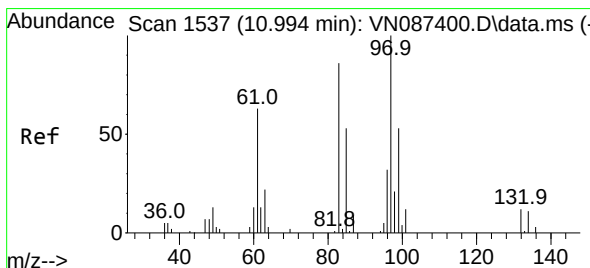
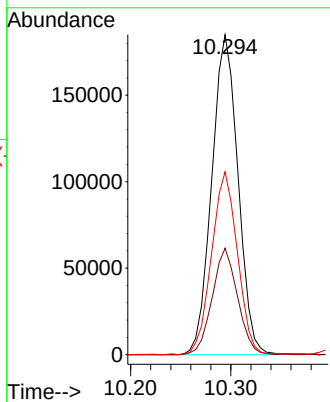
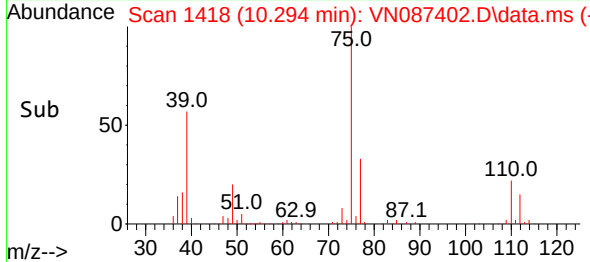
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion: 75 Resp: 335279
 Ion Ratio Lower Upper
 75 100
 77 33.3 27.4 41.0
 39 57.1 46.3 69.5

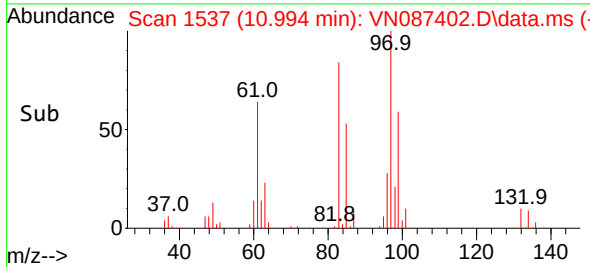
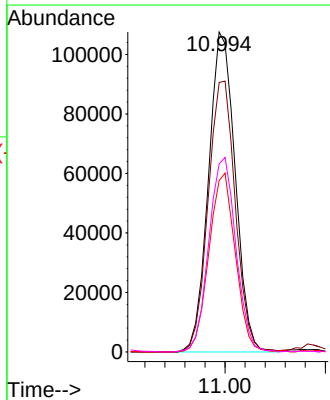
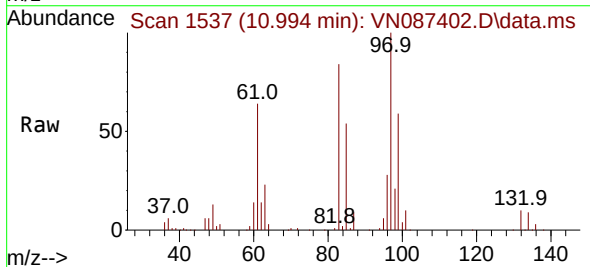
Manual Integrations
 APPROVED

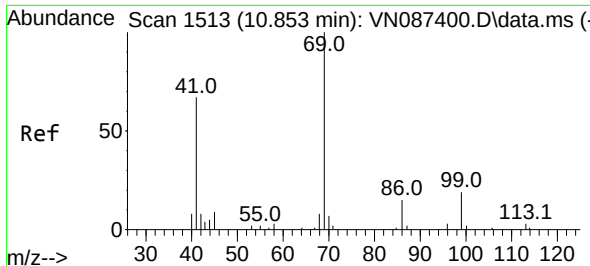
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#50
 1,1,2-Trichloroethane
 Concen: 107.054 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

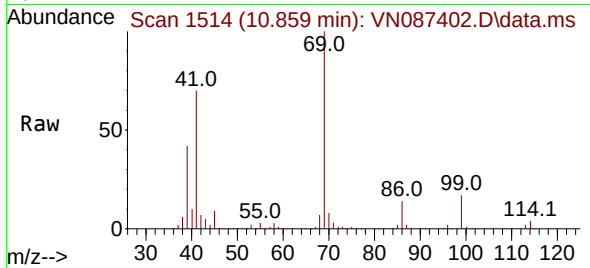
Tgt Ion: 97 Resp: 198480
 Ion Ratio Lower Upper
 97 100
 83 84.2 68.9 103.3
 85 53.4 42.2 63.2
 99 58.8 42.5 63.7





#51
Ethyl methacrylate
Concen: 124.230 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

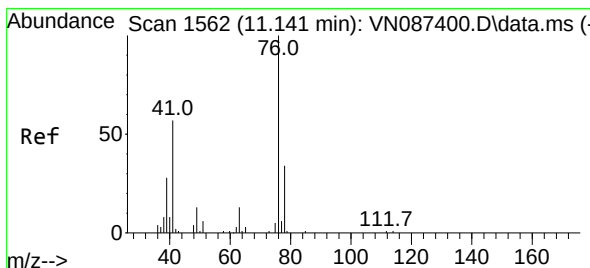
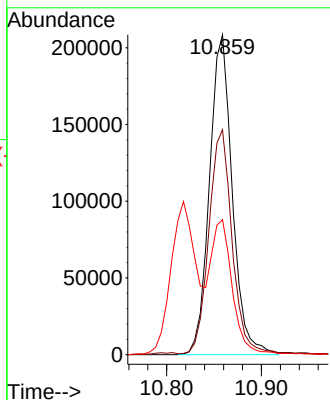
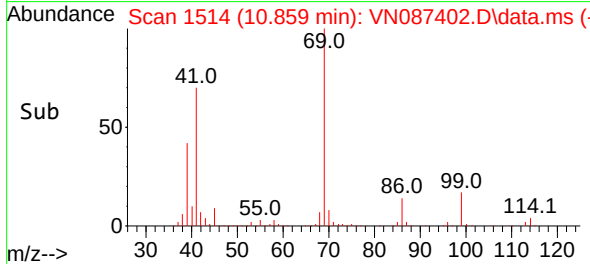
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 69 Resp: 34856
Ion Ratio Lower Upper
69 100
41 70.0 33.7 101.1
39 41.9 21.6 65.0

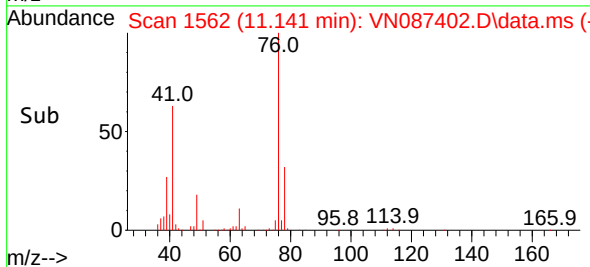
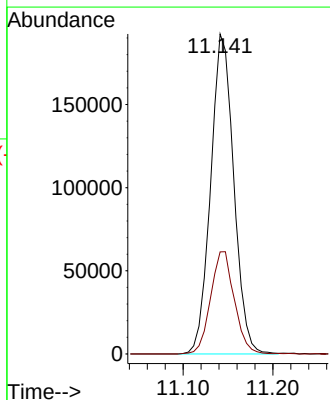
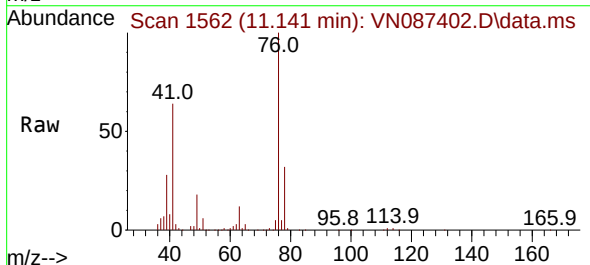
Manual Integrations
APPROVED

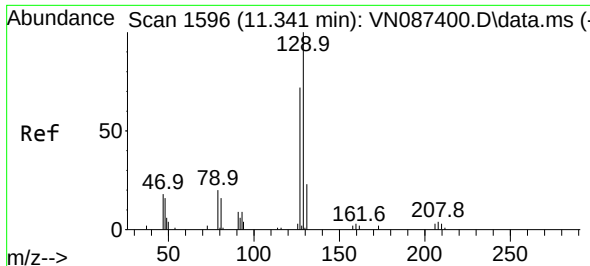
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#52
1,3-Dichloropropane
Concen: 109.468 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 76 Resp: 344160
Ion Ratio Lower Upper
76 100
78 32.8 0.0 67.4





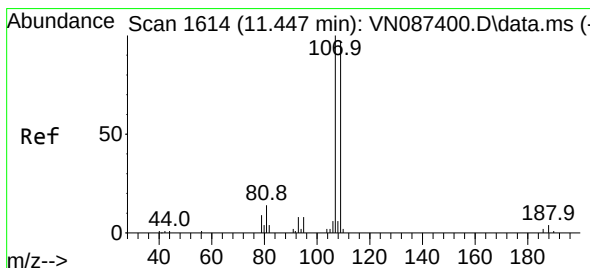
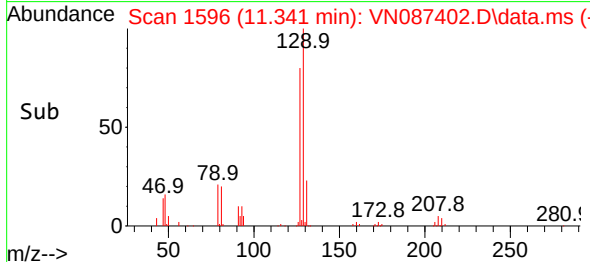
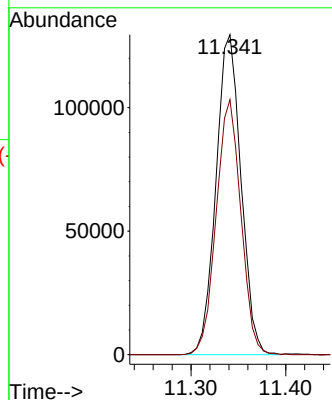
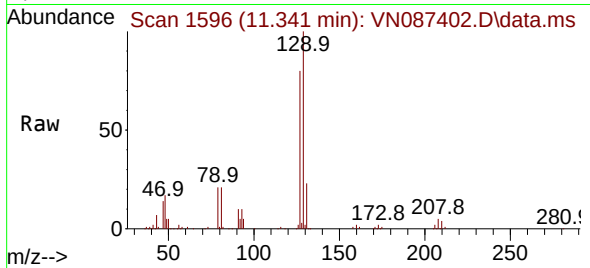
#53
Dibromochloromethane
Concen: 109.403 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:129 Resp: 238288
Ion Ratio Lower Upper
129 100
127 78.6 38.7 116.1

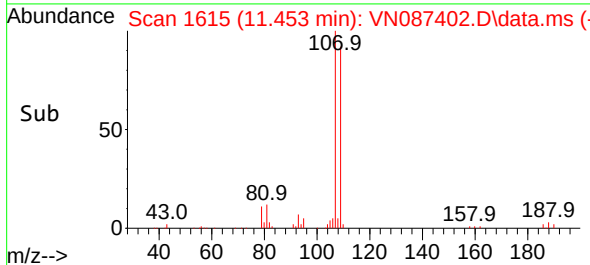
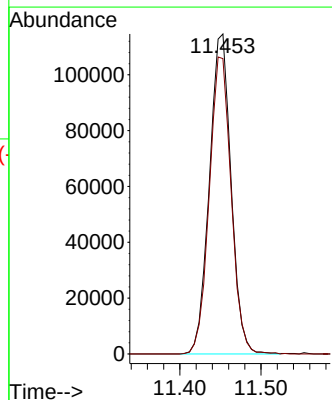
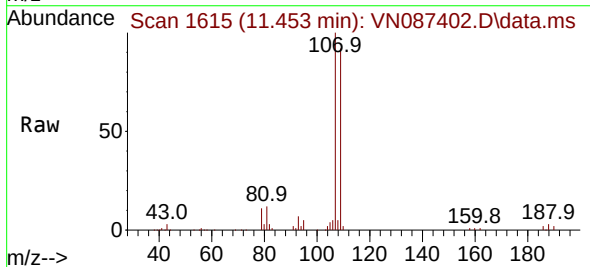
Manual Integrations
APPROVED

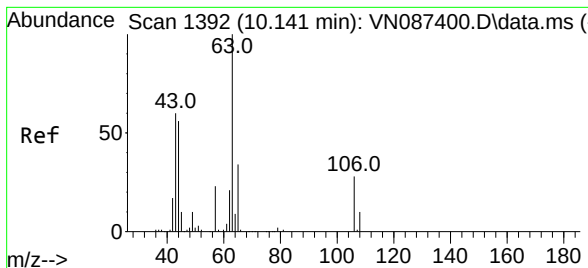
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 109.402 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

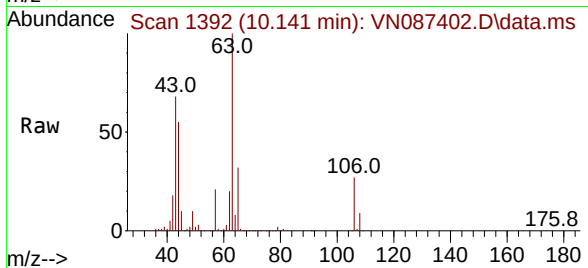
Tgt Ion:107 Resp: 212324
Ion Ratio Lower Upper
107 100
109 93.5 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 571.543 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

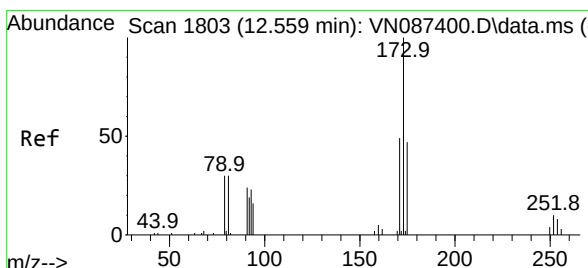
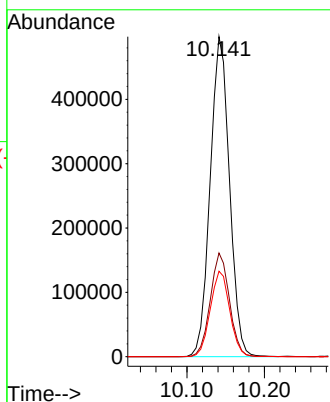
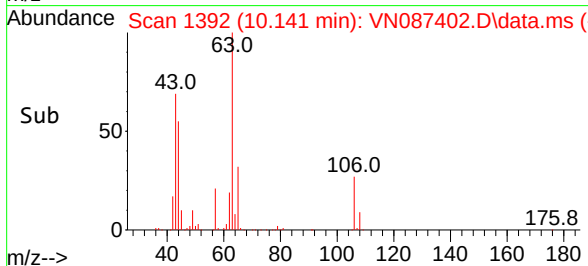
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



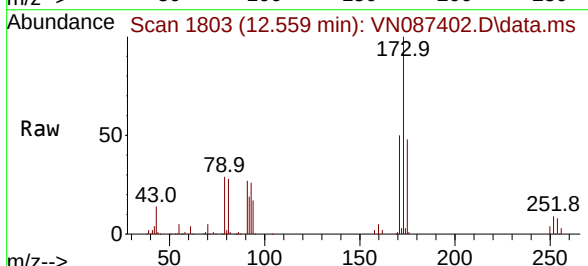
Tgt Ion: 63 Resp: 859399
Ion Ratio Lower Upper
63 100
65 32.2 25.8 38.8
106 26.9 23.0 34.4

Manual Integrations
APPROVED

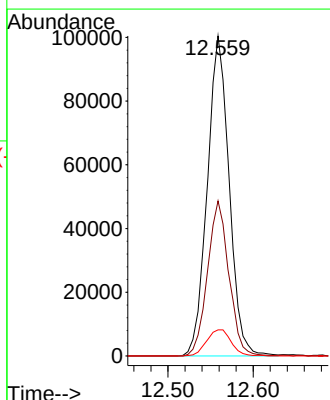
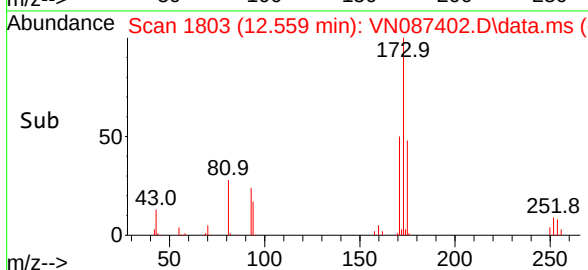
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

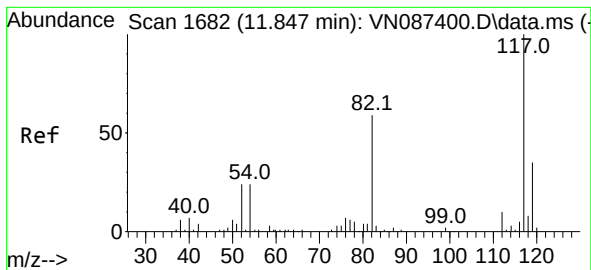


#56
Bromoform
Concen: 116.837 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



Tgt Ion:173 Resp: 179680
Ion Ratio Lower Upper
173 100
175 47.3 38.4 57.6
254 9.1 6.7 10.1





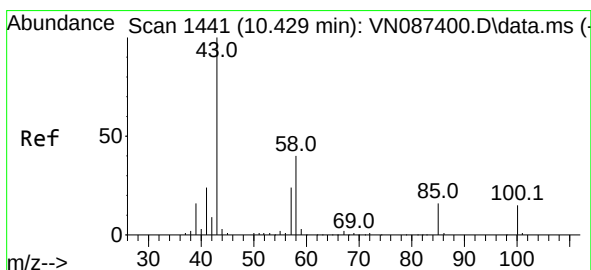
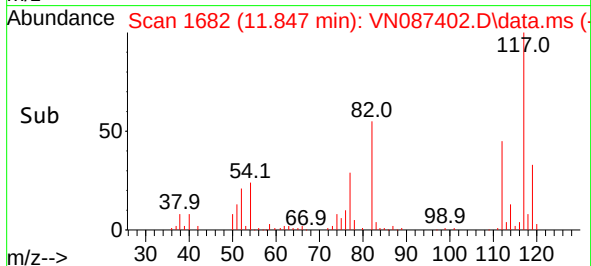
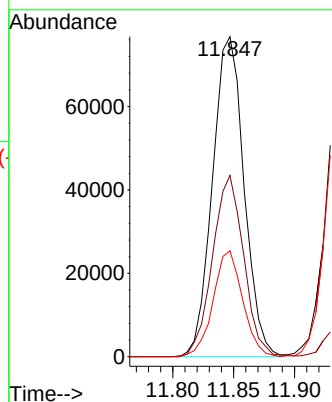
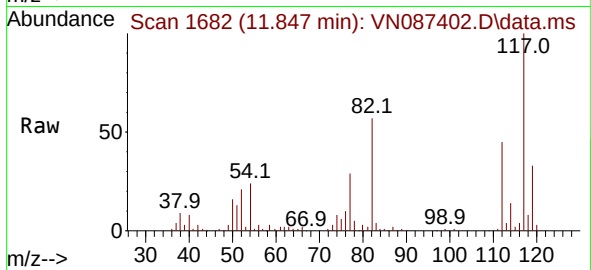
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 13864
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 30.9 25.4 38.2

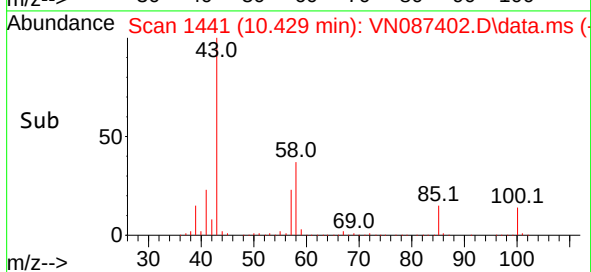
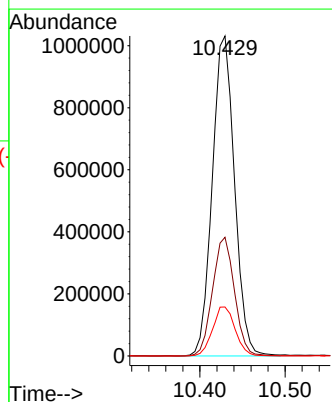
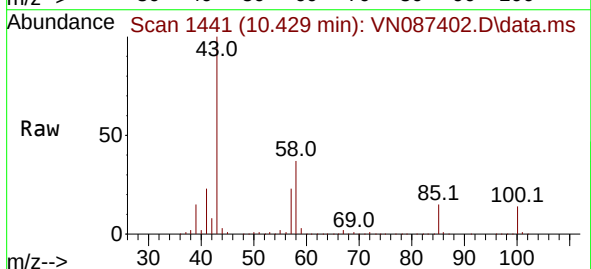
Manual Integrations
APPROVED

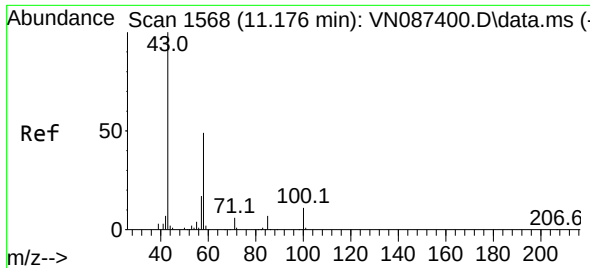
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
4-Methyl-2-Pentanone
Concen: 562.831 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

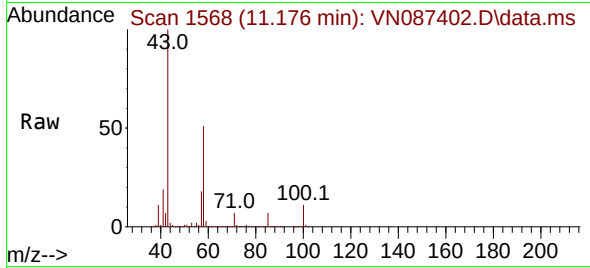
Tgt Ion: 43 Resp: 1869785
Ion Ratio Lower Upper
43 100
58 36.7 29.5 44.3
85 15.6 13.3 19.9





#59
2-Hexanone
Concen: 586.254 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

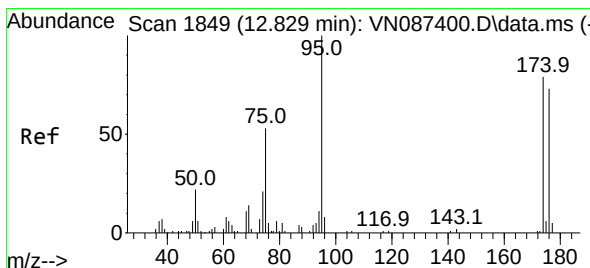
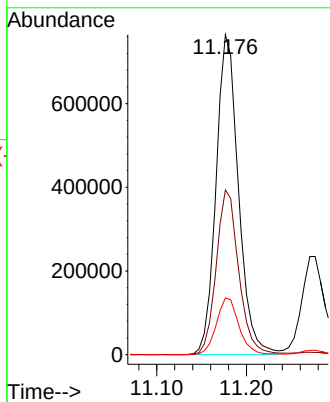
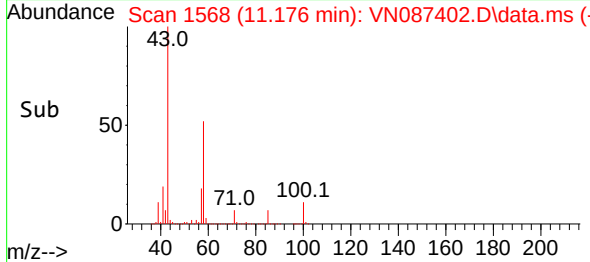
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 132475
Ion Ratio Lower Upper
43 100
58 51.9 40.5 60.7
57 18.0 14.0 21.0

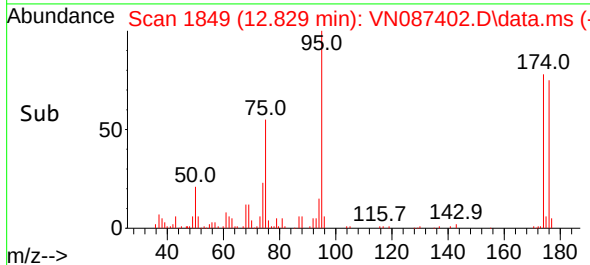
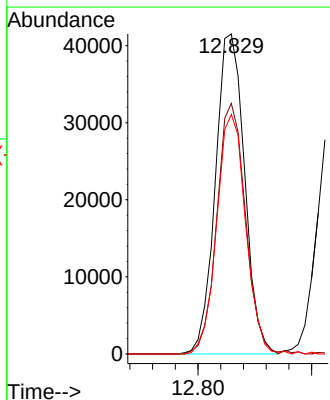
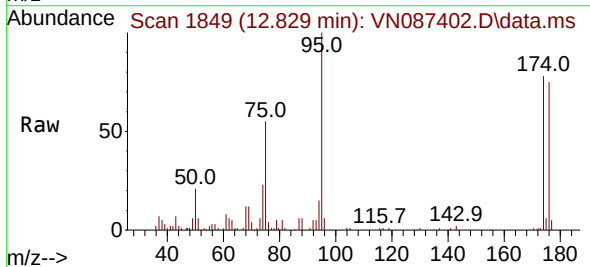
Manual Integrations
APPROVED

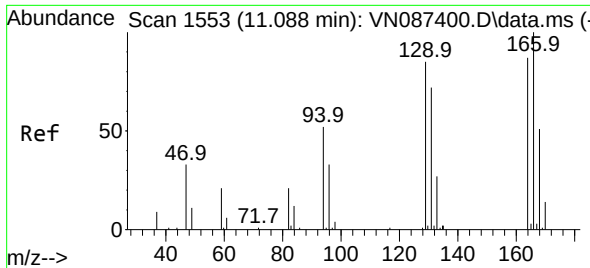
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
4-Bromofluorobenzene
Concen: 32.039 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

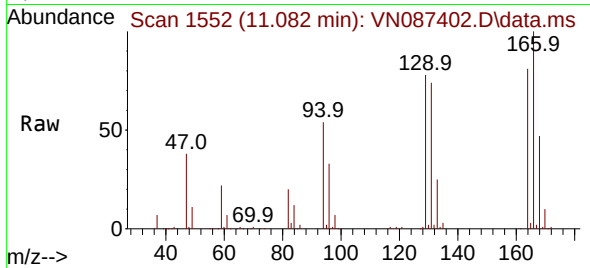
Tgt Ion: 95 Resp: 74066
Ion Ratio Lower Upper
95 100
174 76.4 62.1 93.1
176 74.0 57.9 86.9





#61
Tetrachloroethene
Concen: 99.029 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

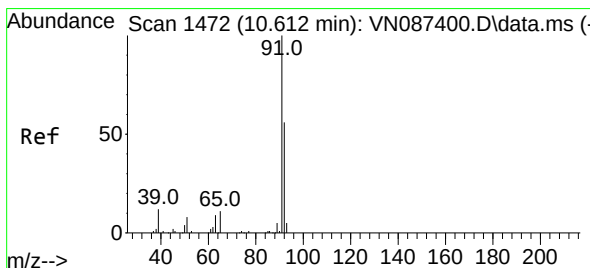
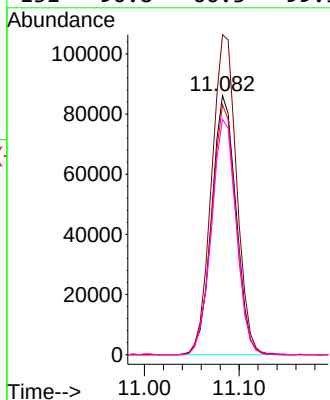
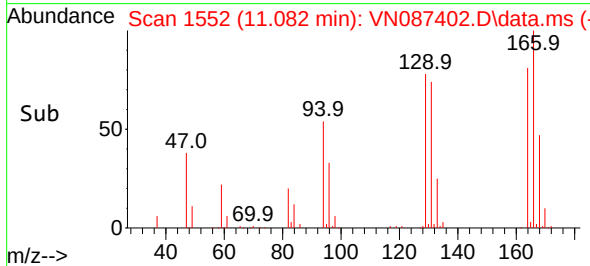
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:164 Resp: 154012
Ion Ratio Lower Upper
164 100
166 123.5 91.7 137.5
129 96.4 77.8 116.6
131 90.8 66.3 99.5

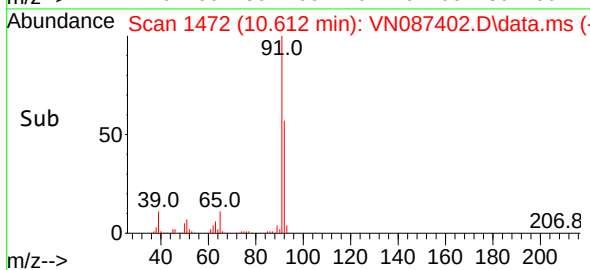
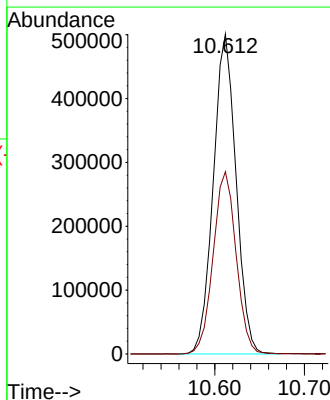
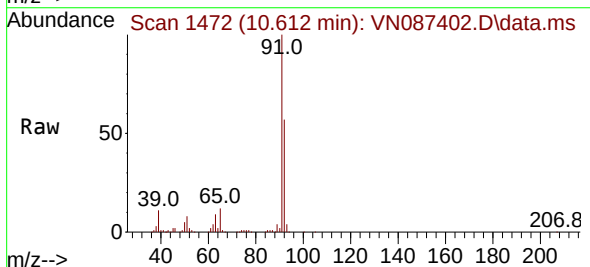
Manual Integrations
APPROVED

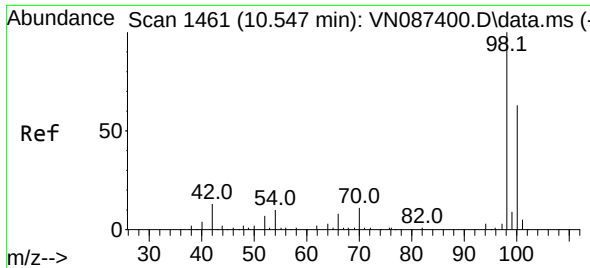
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#62
Toluene
Concen: 105.521 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

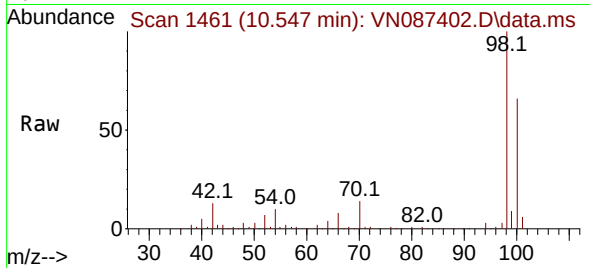
Tgt Ion: 91 Resp: 882085
Ion Ratio Lower Upper
91 100
92 57.5 47.4 71.0





#63
Toluene-d8
Concen: 28.441 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

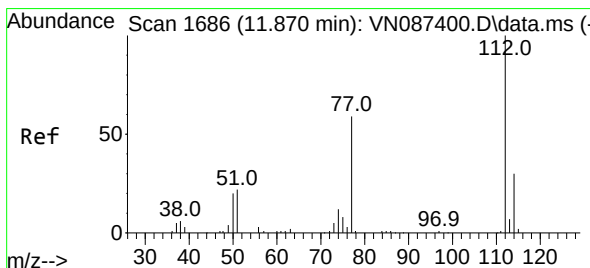
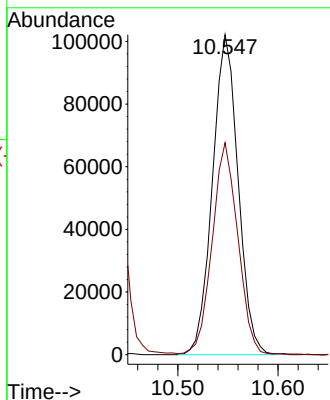
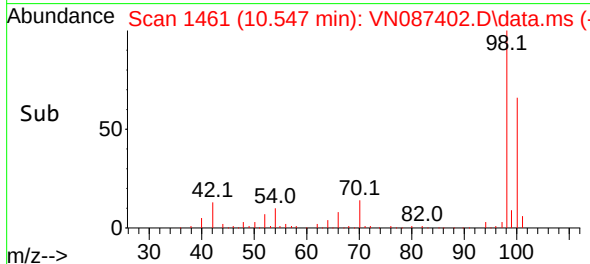
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



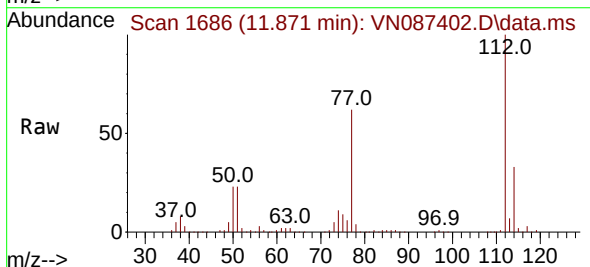
Tgt Ion: 98 Resp: 181544
Ion Ratio Lower Upper
98 100
100 66.1 51.1 76.7

Manual Integrations
APPROVED

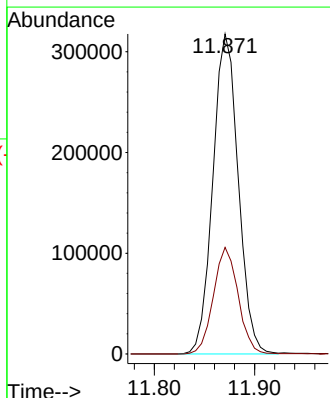
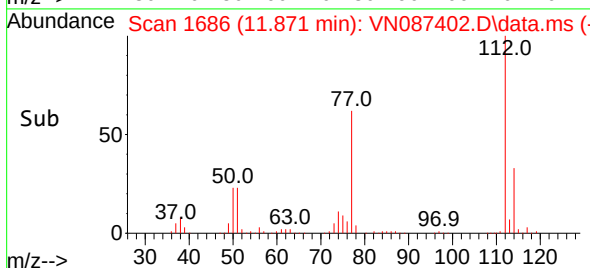
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

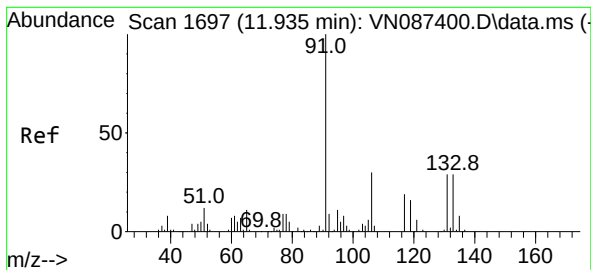


#64
Chlorobenzene
Concen: 105.642 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



Tgt Ion:112 Resp: 558552
Ion Ratio Lower Upper
112 100
114 33.3 24.0 36.0





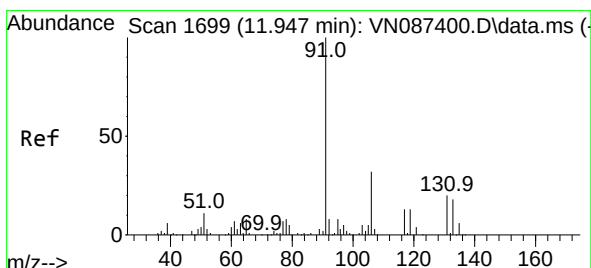
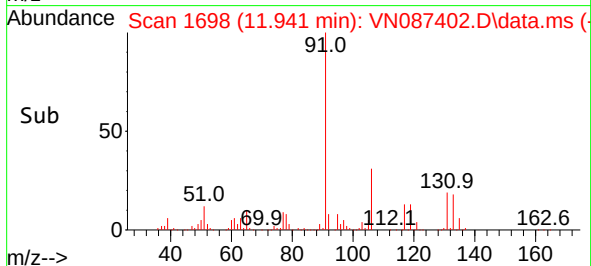
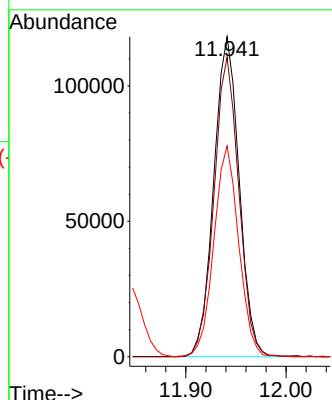
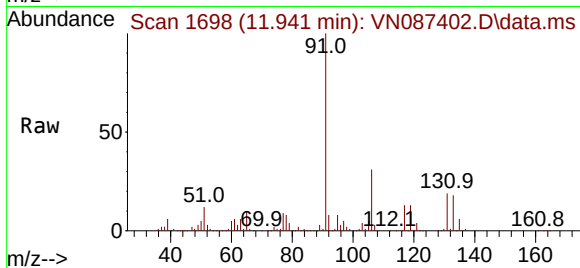
#65
1,1,1,2-Tetrachloroethane
Concen: 106.600 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:131 Resp: 20726
Ion Ratio Lower Upper
131 100
133 92.4 0.0 193.0
119 64.5 0.0 128.2

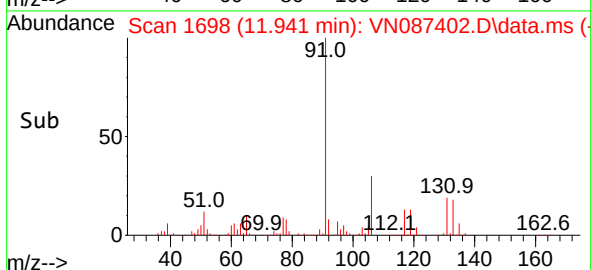
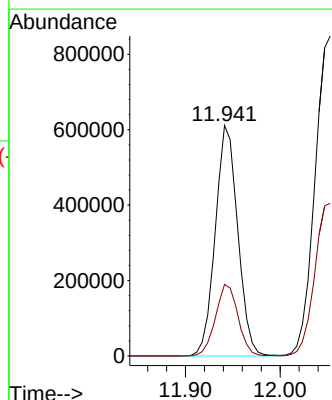
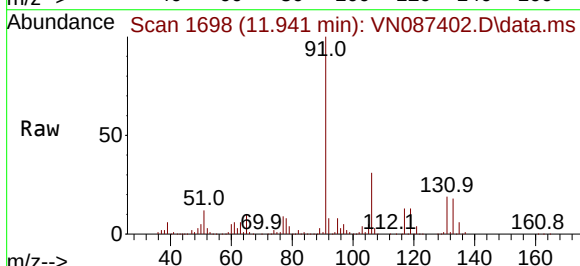
Manual Integrations
APPROVED

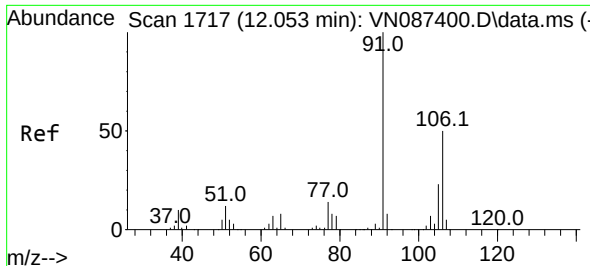
Reviewed By :John Carbone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#66
Ethyl Benzene
Concen: 112.905 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 91 Resp: 1007271
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.6





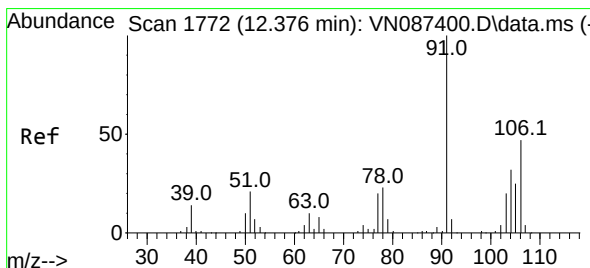
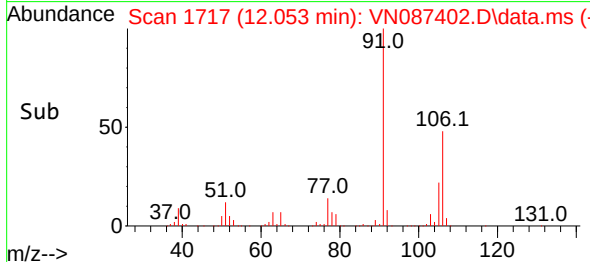
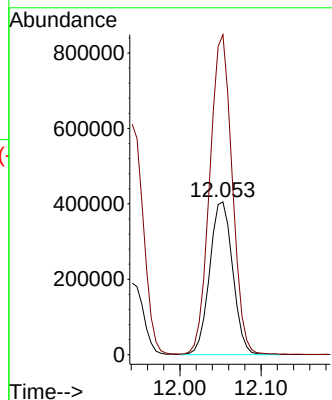
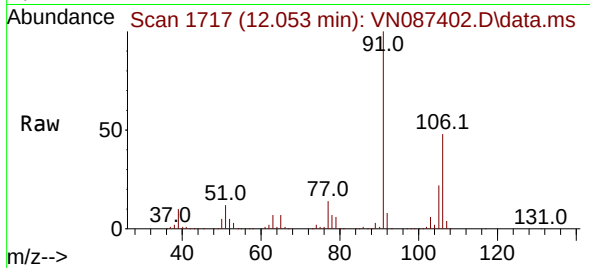
#67
m/p-Xylenes
Concen: 224.338 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 799815
Ion Ratio Lower Upper
106 100
91 204.1 163.4 245.2

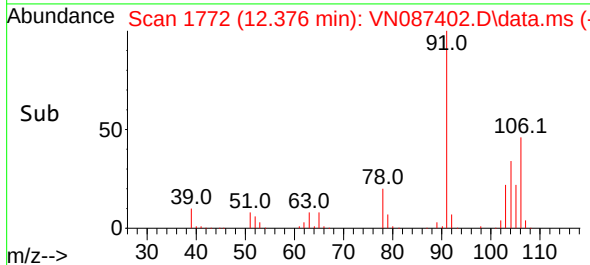
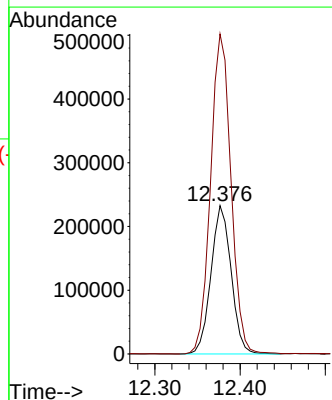
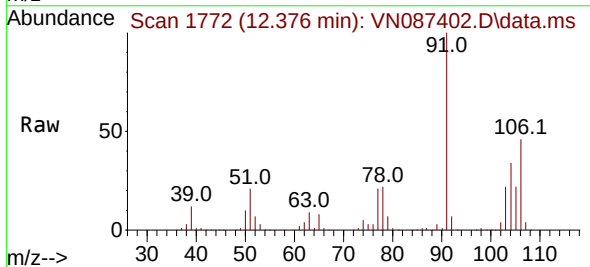
Manual Integrations
APPROVED

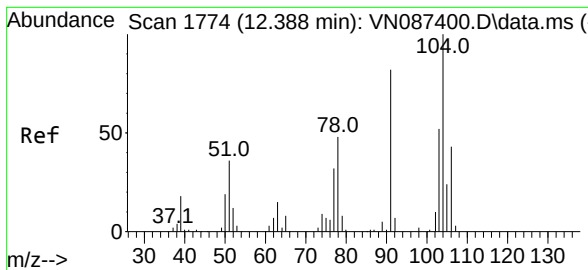
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#68
o-Xylene
Concen: 114.390 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion:106 Resp: 382248
Ion Ratio Lower Upper
106 100
91 218.8 106.6 319.8





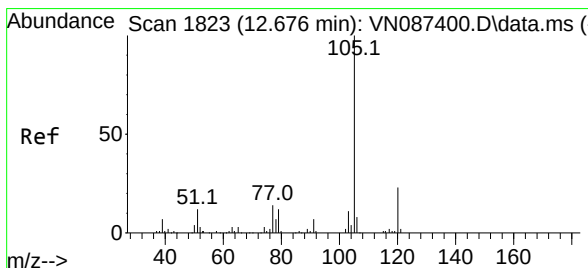
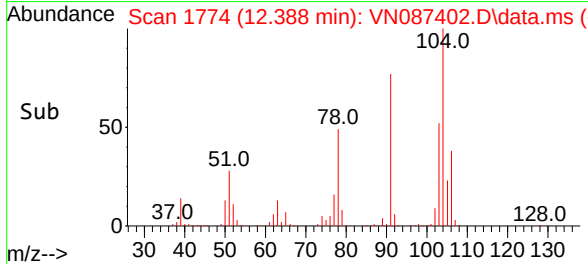
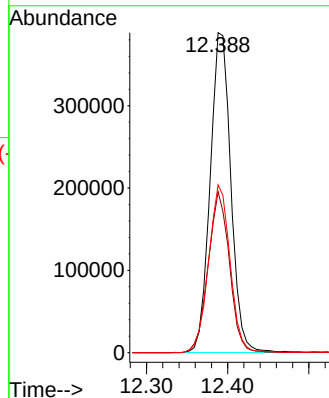
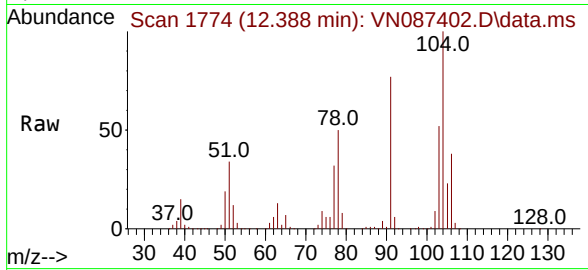
#69
Styrene
Concen: 117.136 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:104 Resp: 68847
Ion Ratio Lower Upper
104 100
78 51.6 40.7 61.1
103 54.5 43.4 65.2

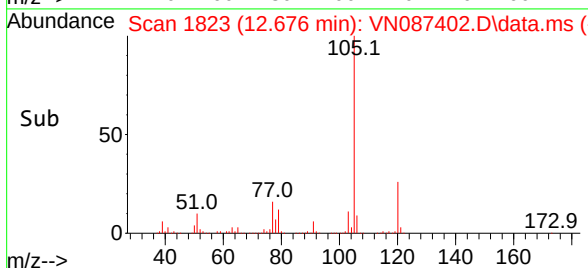
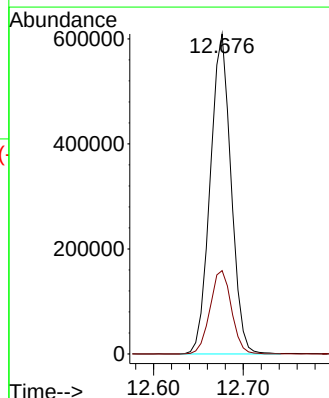
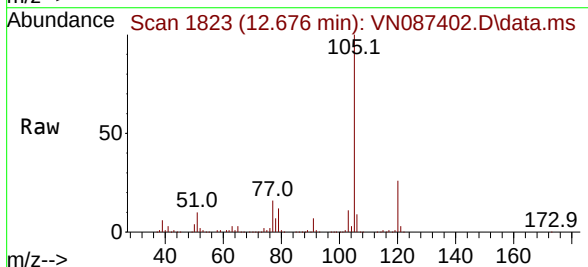
Manual Integrations
APPROVED

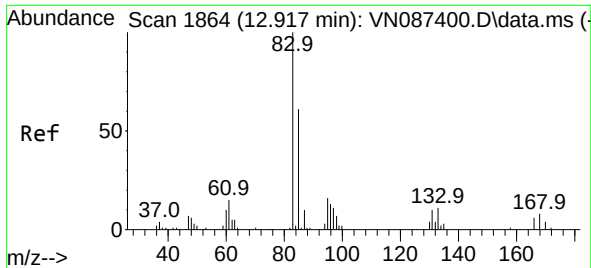
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#70
Isopropylbenzene
Concen: 114.535 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

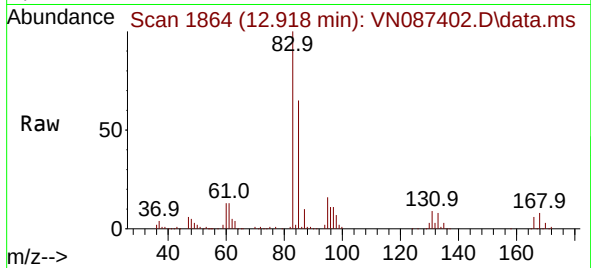
Tgt Ion:105 Resp: 981126
Ion Ratio Lower Upper
105 100
120 26.9 17.6 32.6





#71
1,1,2,2-Tetrachloroethane
Concen: 107.367 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

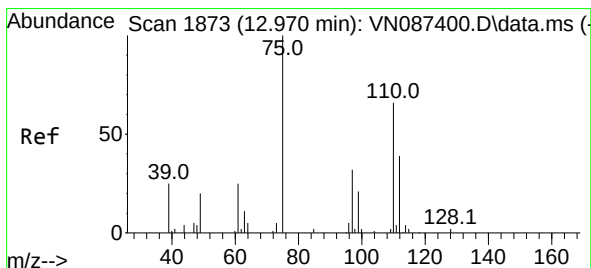
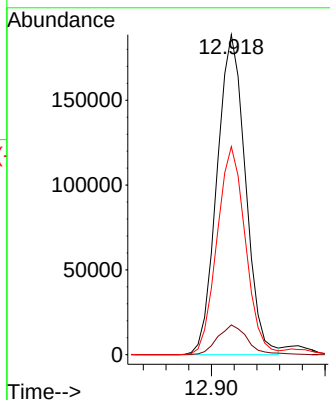
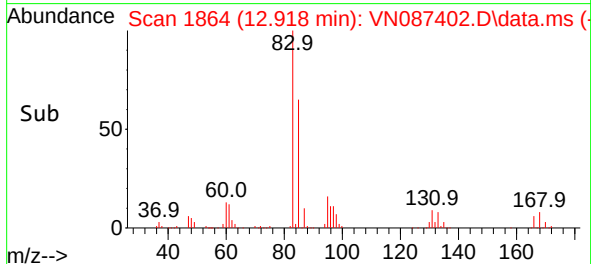
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 328735
Ion Ratio Lower Upper
83 100
131 9.7 4.6 13.8
85 64.8 30.6 91.6

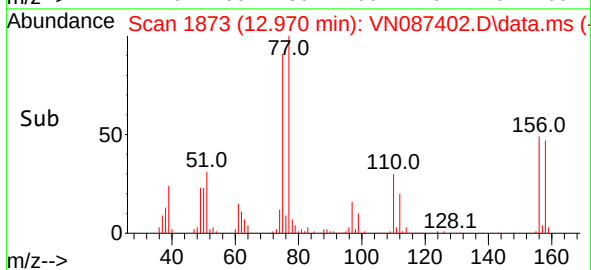
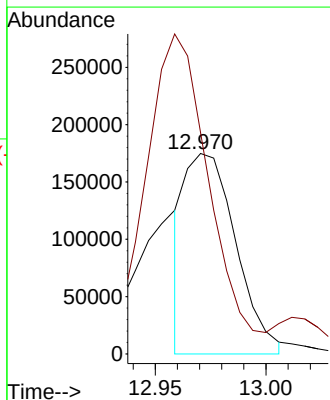
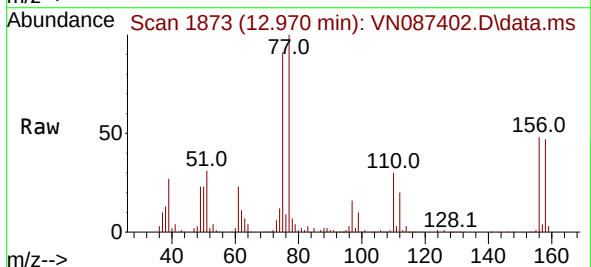
Manual Integrations
APPROVED

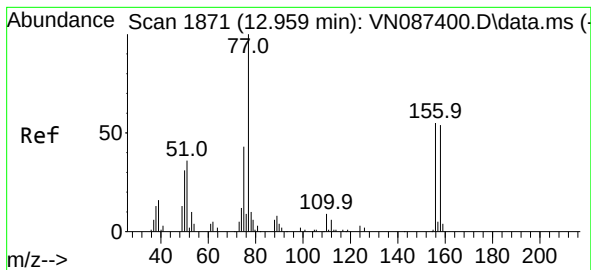
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#72
1,2,3-Trichloropropane
Concen: 72.309 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 75 Resp: 280472
Ion Ratio Lower Upper
75 100
77 200.0 0.0 361.2





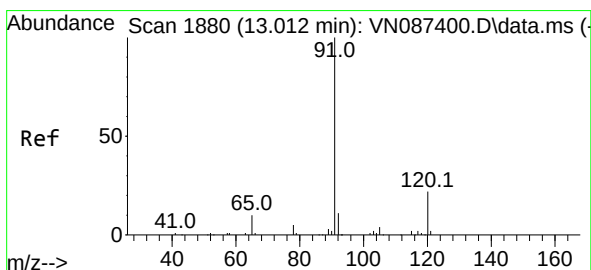
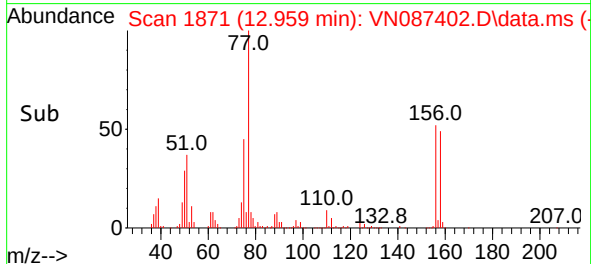
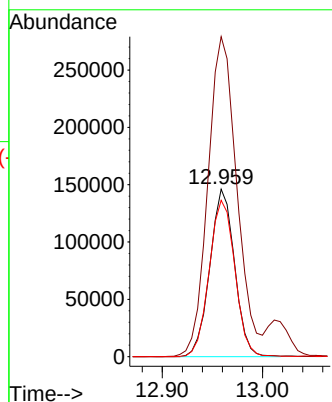
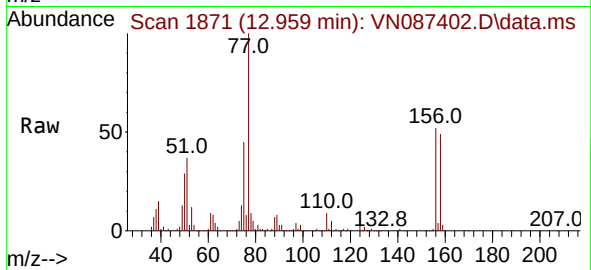
#73
Bromobenzene
Concen: 111.707 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 249658
Ion Ratio Lower Upper
156 100
77 224.7 0.0 440.6
158 97.3 0.0 195.0

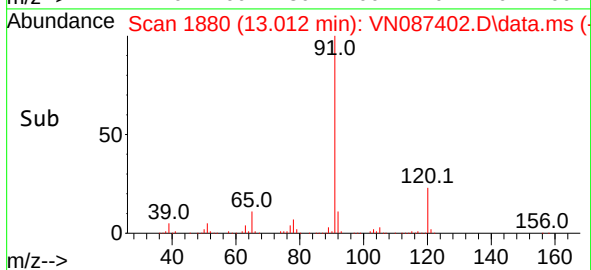
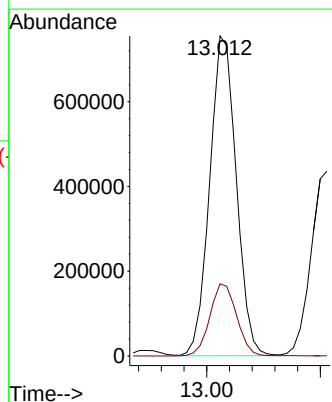
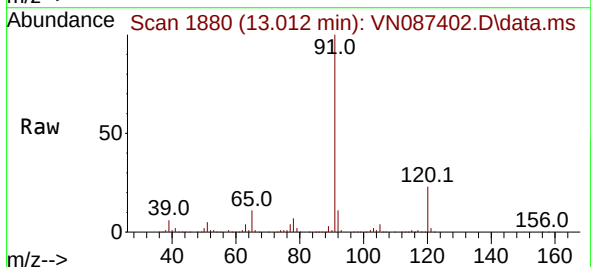
Manual Integrations
APPROVED

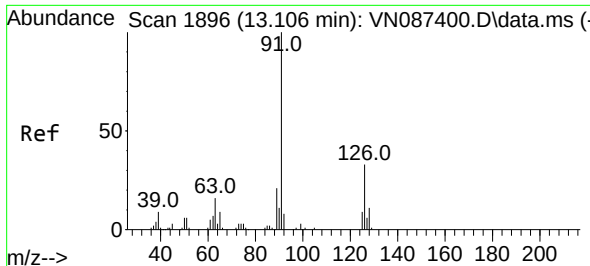
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#74
n-propylbenzene
Concen: 112.656 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 91 Resp: 1226489
Ion Ratio Lower Upper
91 100
120 22.7 0.0 44.6





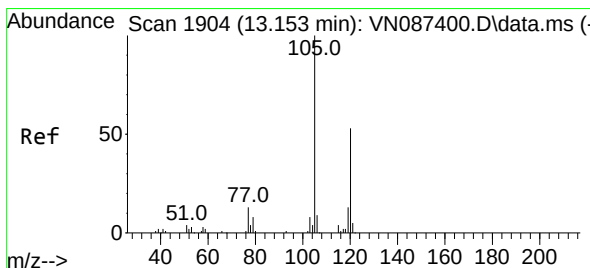
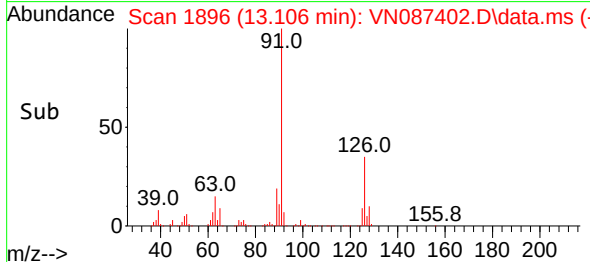
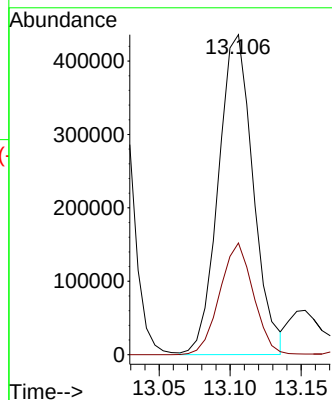
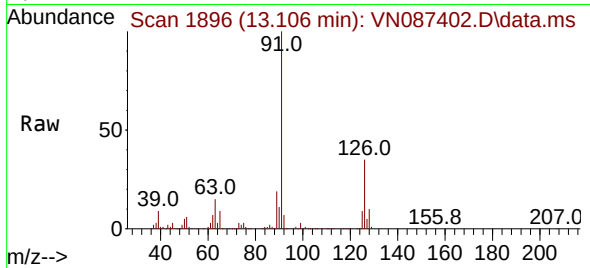
#75
2-Chlorotoluene
Concen: 115.700 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 74373
Ion Ratio Lower Upper
91 100
126 33.8 0.0 65.4

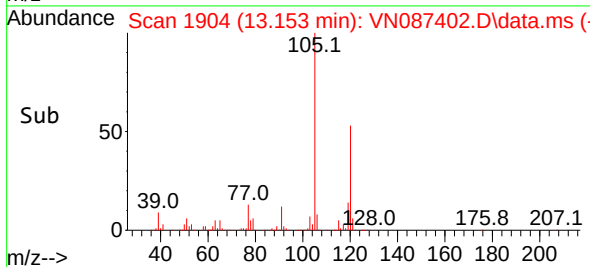
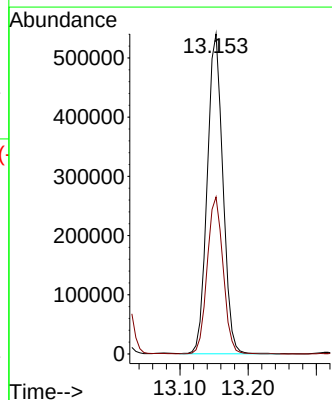
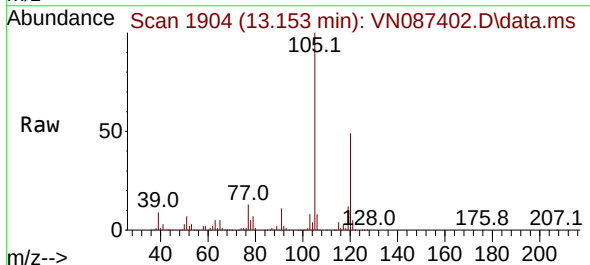
Manual Integrations
APPROVED

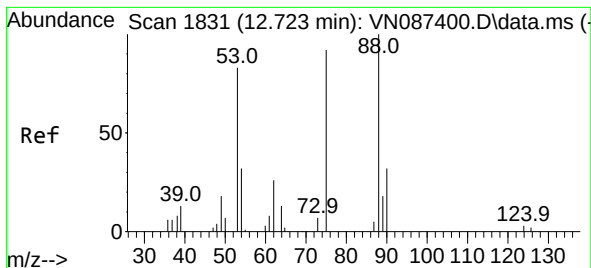
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76
1,3,5-Trimethylbenzene
Concen: 116.305 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

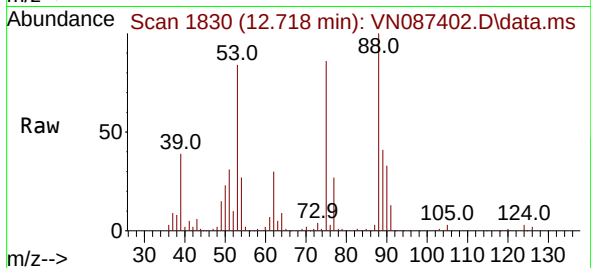
Tgt Ion:105 Resp: 862202
Ion Ratio Lower Upper
105 100
120 49.8 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 125.793 ug/l
RT: 12.718 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

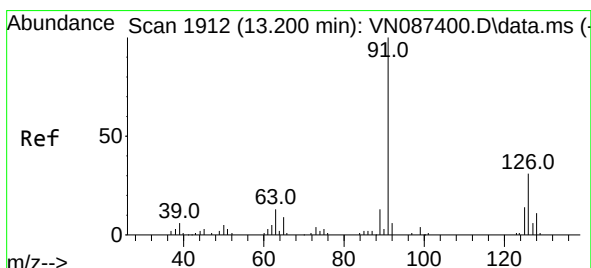
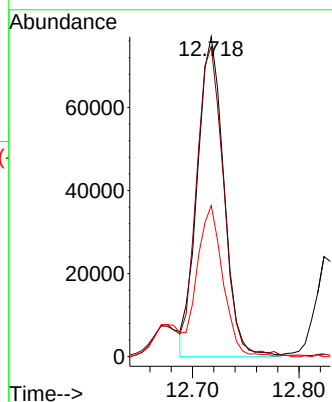
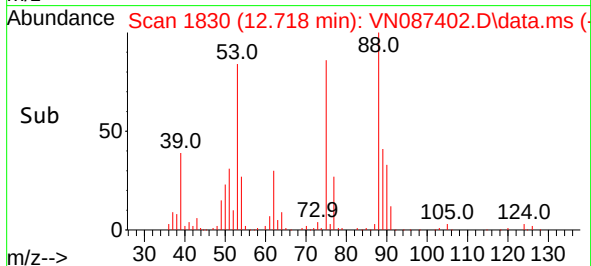
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 133549
Ion Ratio Lower Upper
75 100
53 96.8 44.0 131.8
89 47.1 17.0 50.9

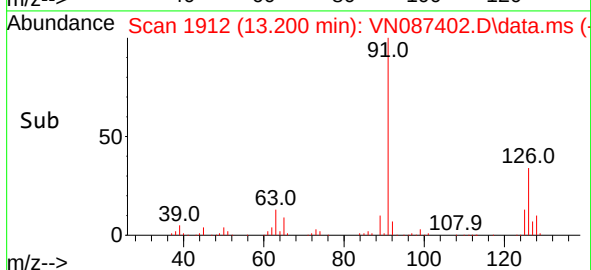
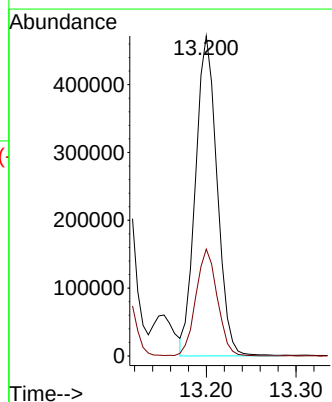
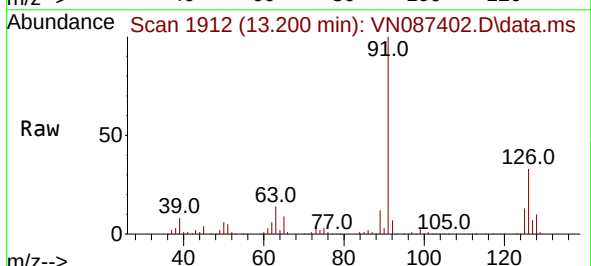
Manual Integrations
APPROVED

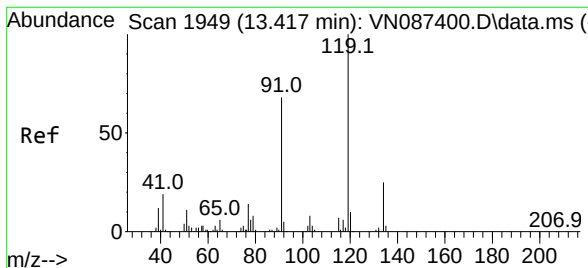
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#78
4-Chlorotoluene
Concen: 114.193 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion: 91 Resp: 787641
Ion Ratio Lower Upper
91 100
126 33.0 0.0 66.6





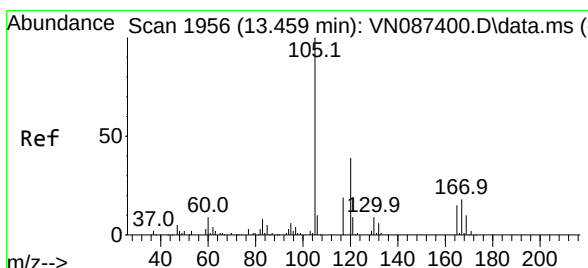
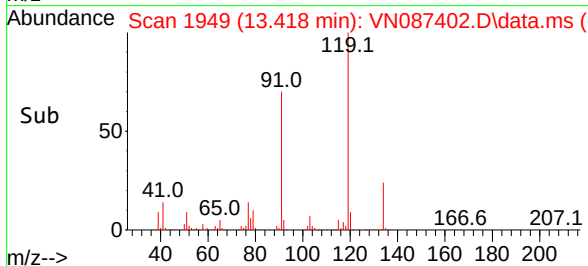
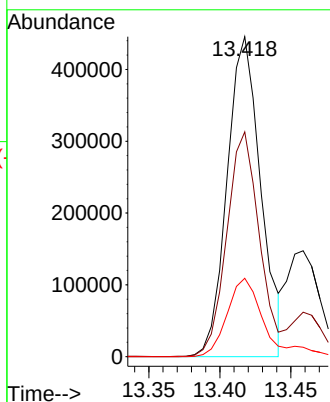
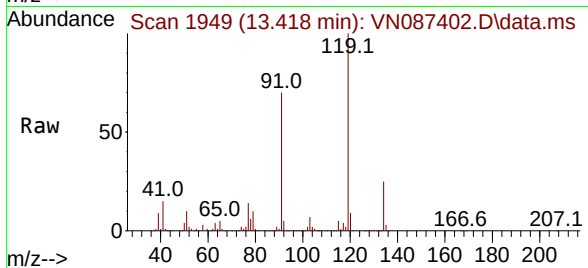
#79
tert-butylbenzene
Concen: 117.728 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 735790
Ion Ratio Lower Upper
119 100
91 67.6 0.0 134.8
134 24.8 0.0 52.0

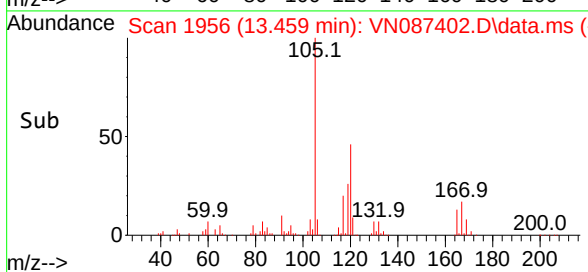
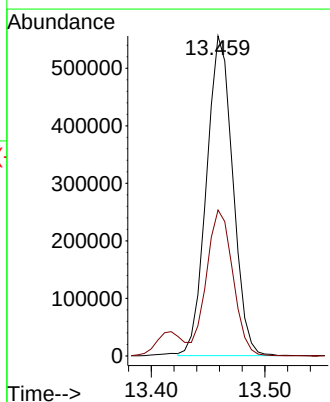
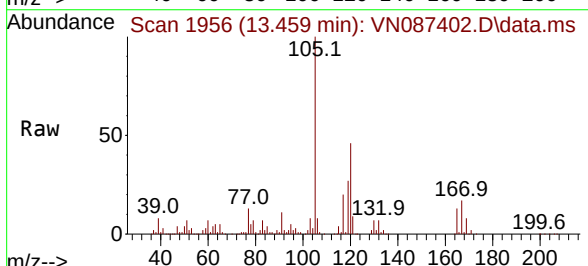
Manual Integrations
APPROVED

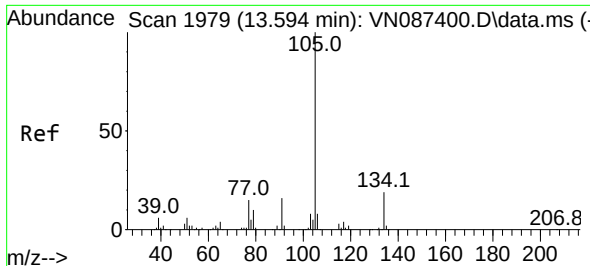
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#80
1,2,4-Trimethylbenzene
Concen: 117.918 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion:105 Resp: 894748
Ion Ratio Lower Upper
105 100
120 45.3 0.0 93.6





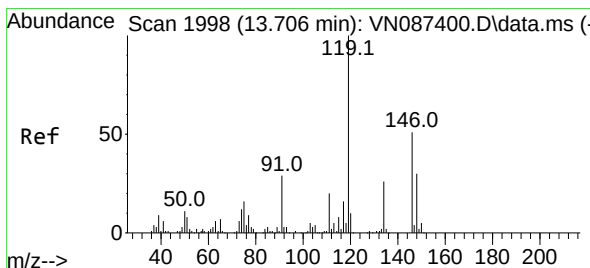
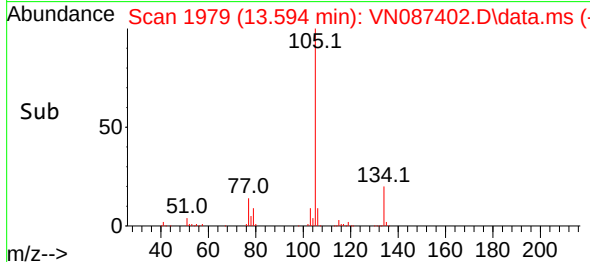
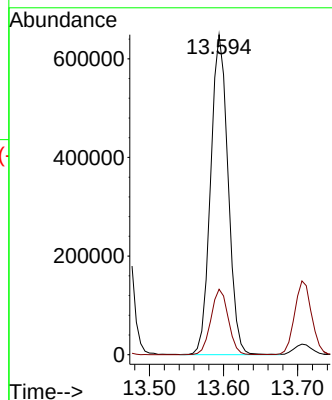
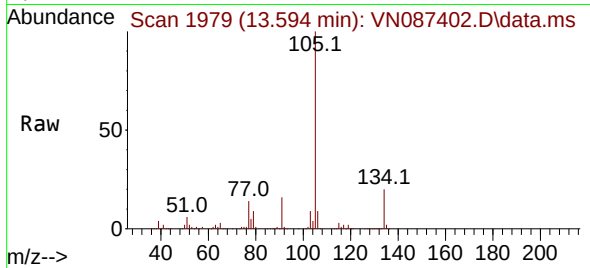
#81
 sec-Butylbenzene
 Concen: 116.006 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 1057779
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 39.6

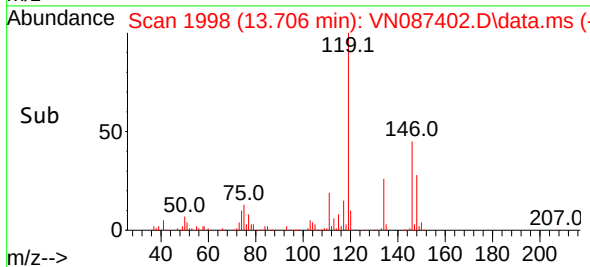
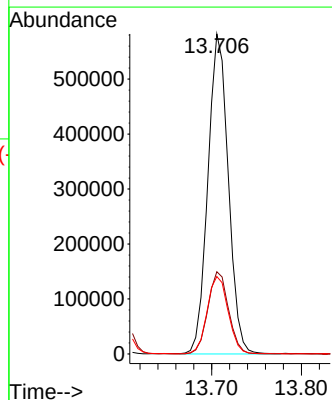
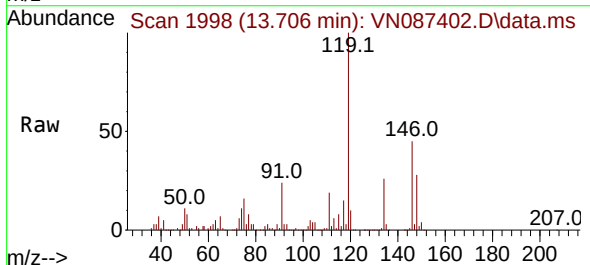
Manual Integrations
 APPROVED

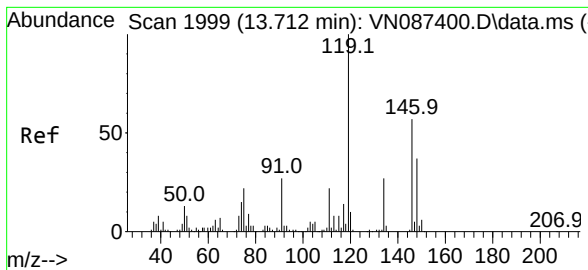
Reviewed By :John Carlone 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#82
 p-Isopropyltoluene
 Concen: 117.882 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087402.D
 Acq: 23 Jul 2025 11:11

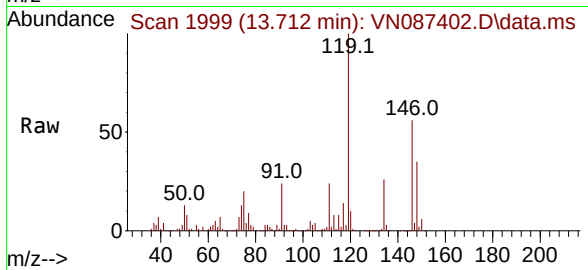
Tgt Ion:119 Resp: 920368
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.8
 91 24.7 0.0 54.2





#83
1,3-Dichlorobenzene
Concen: 111.664 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

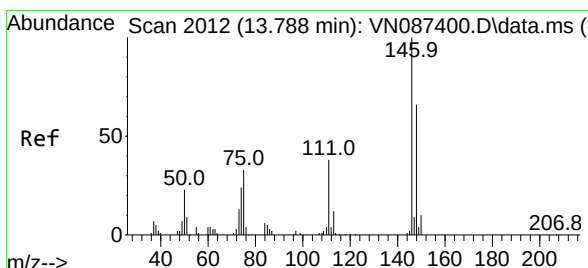
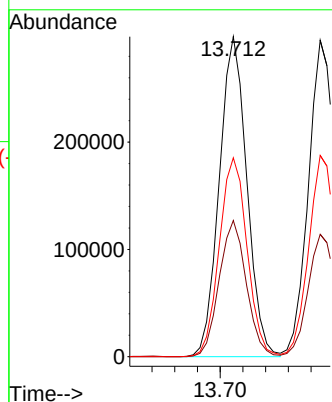
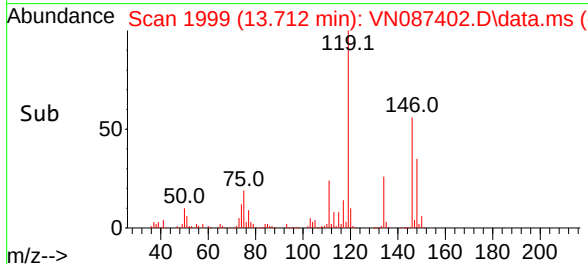
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



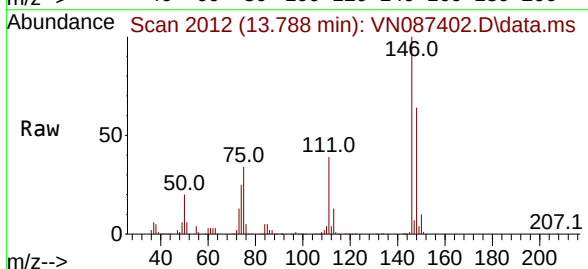
Tgt Ion:146 Resp: 503252
Ion Ratio Lower Upper
146 100
111 41.9 20.2 60.6
148 62.6 31.7 95.1

Manual Integrations
APPROVED

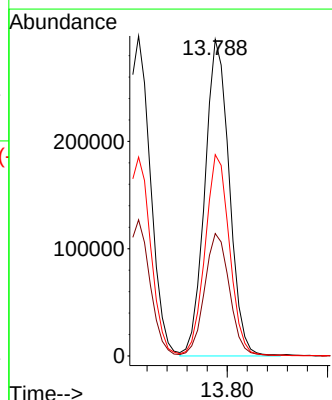
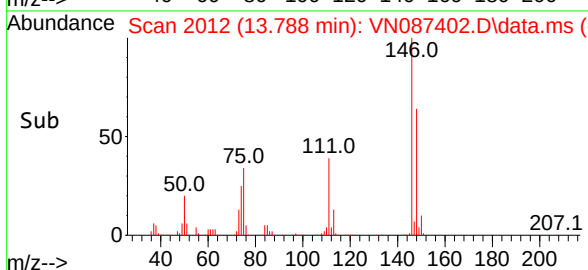
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

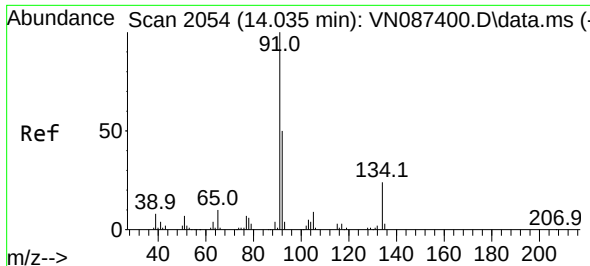


#84
1,4-Dichlorobenzene
Concen: 112.392 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



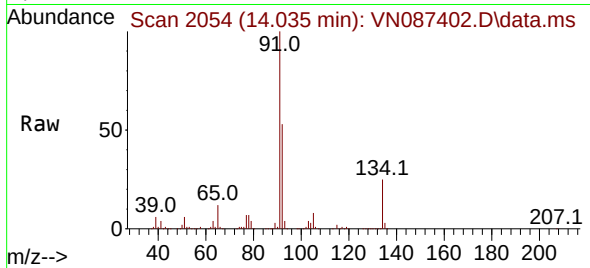
Tgt Ion:146 Resp: 500608
Ion Ratio Lower Upper
146 100
111 39.4 19.4 58.1
148 63.6 32.4 97.2





#85
n-Butylbenzene
Concen: 118.736 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

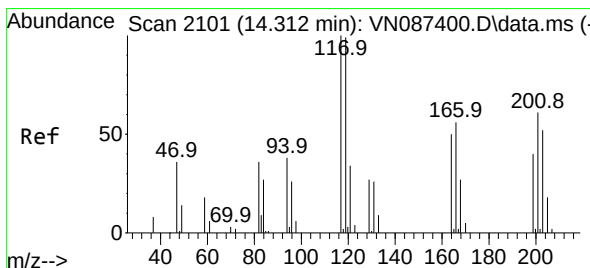
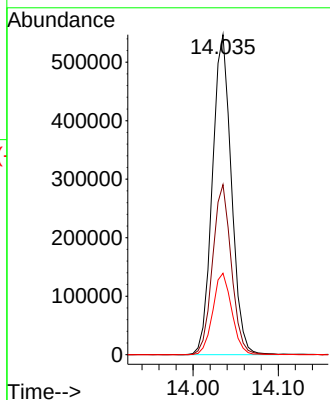
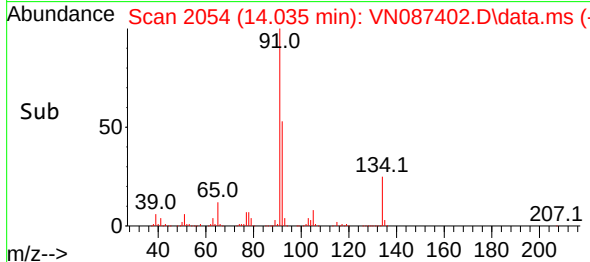
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 91 Resp: 846770
Ion Ratio Lower Upper
91 100
92 52.5 0.0 101.4
134 25.4 0.0 48.6

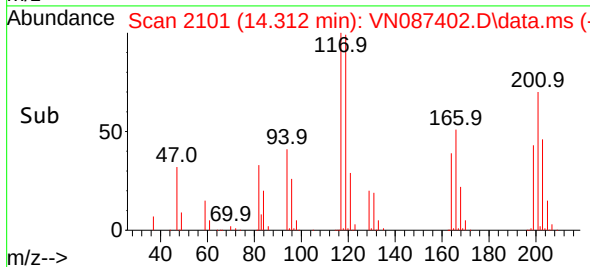
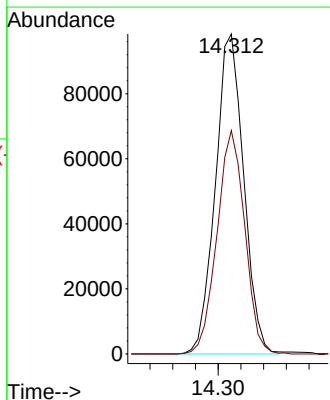
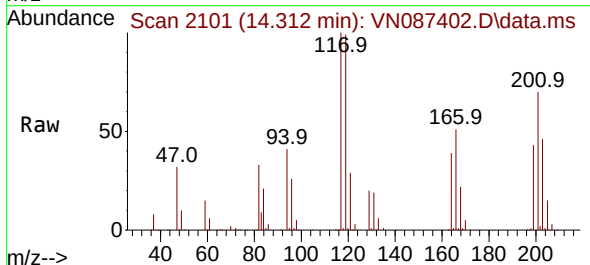
Manual Integrations
APPROVED

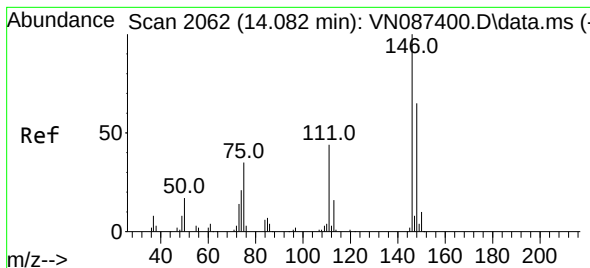
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#86
Hexachloroethane
Concen: 110.871 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

Tgt Ion:117 Resp: 170246
Ion Ratio Lower Upper
117 100
201 68.5 34.2 102.5





#87

1,2-Dichlorobenzene

Concen: 111.689 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 47748

Ion Ratio Lower Upper

146 100

111 43.0 21.9 65.8

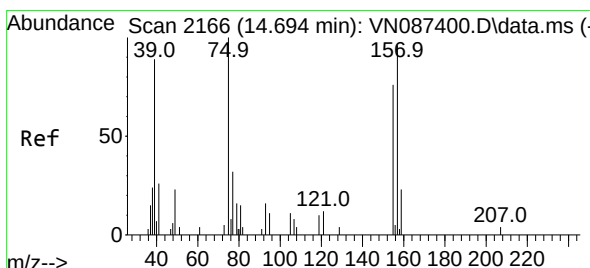
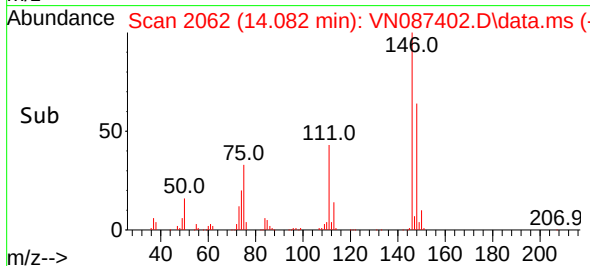
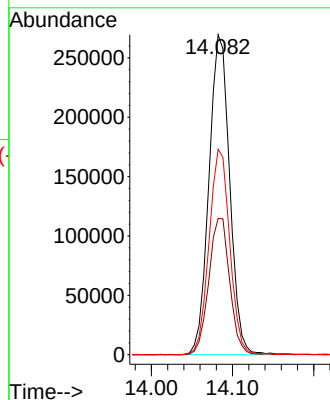
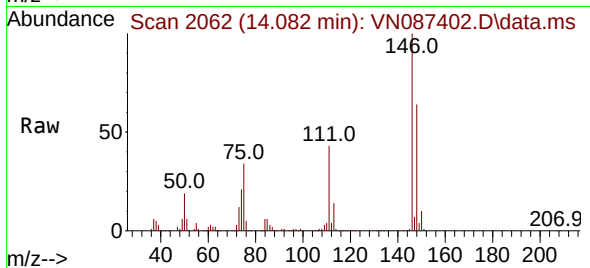
148 64.2 31.2 93.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 113.735 ug/l

RT: 14.700 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

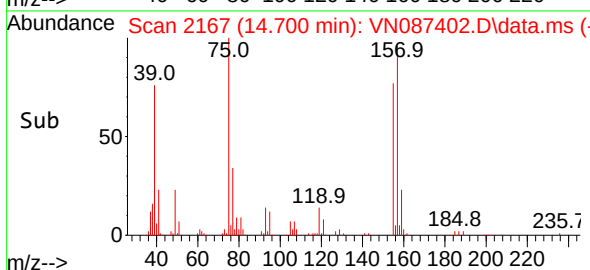
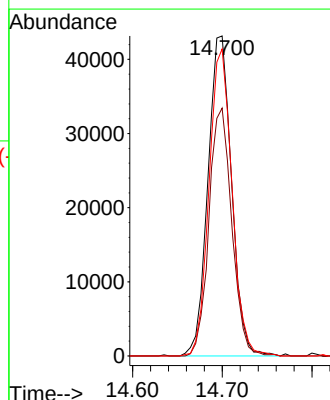
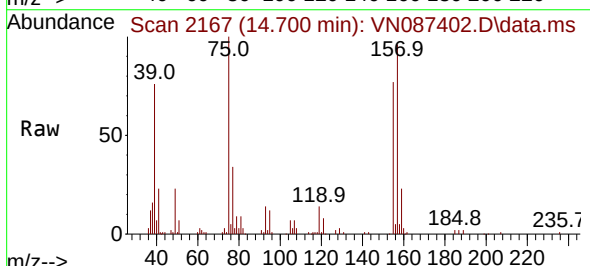
Tgt Ion: 75 Resp: 78932

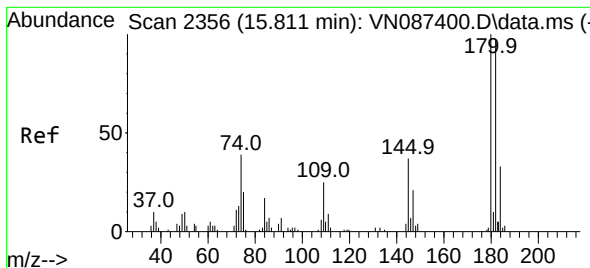
Ion Ratio Lower Upper

75 100

155 74.8 61.3 91.9

157 93.2 85.5 128.3





#89

1,2,4-Trichlorobenzene

Concen: 116.752 ug/l

RT: 15.811 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 28469

Ion Ratio Lower Upper

180 100

182 93.9 74.2 111.2

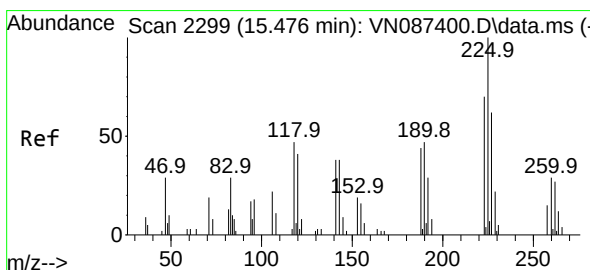
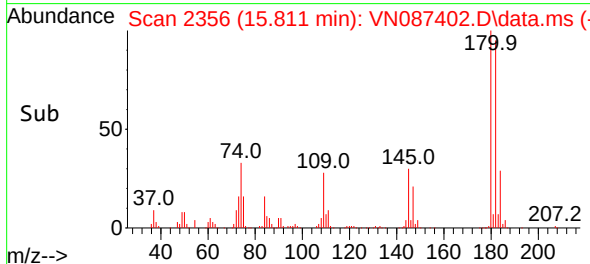
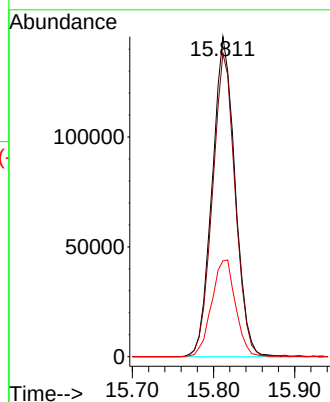
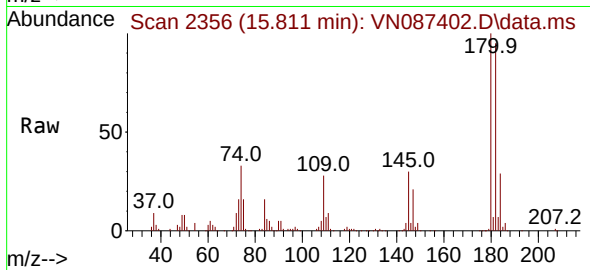
145 31.7 29.3 43.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#90

Hexachlorobutadiene

Concen: 108.994 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN087402.D

Acq: 23 Jul 2025 11:11

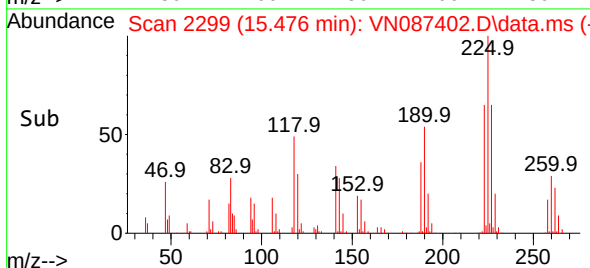
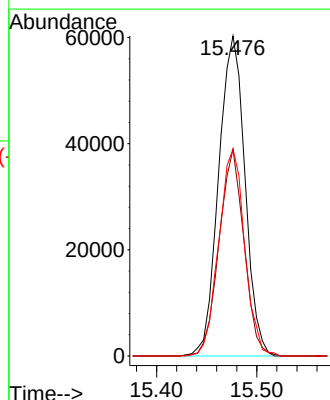
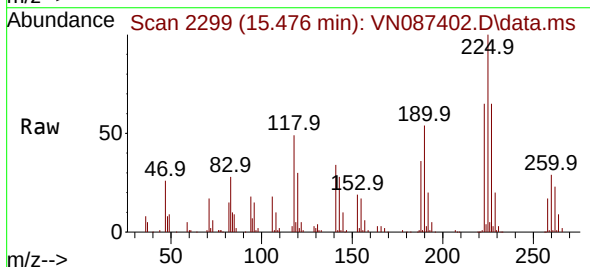
Tgt Ion:225 Resp: 109912

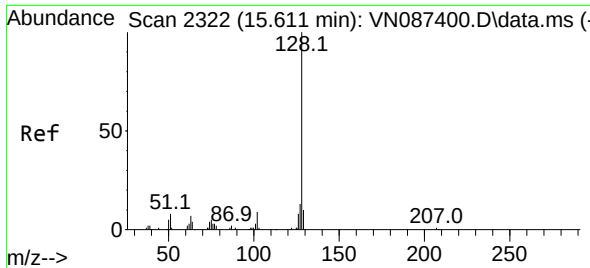
Ion Ratio Lower Upper

225 100

223 61.0 0.0 125.2

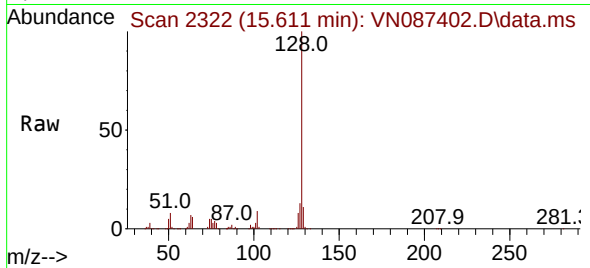
227 63.0 0.0 122.4





#91
Naphthalene
Concen: 122.846 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11

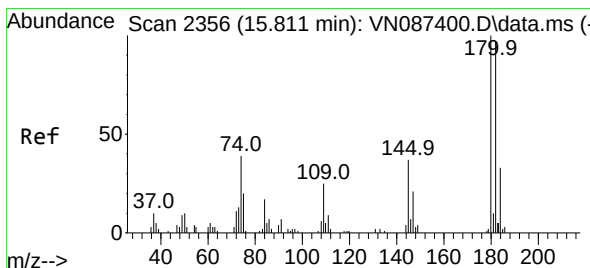
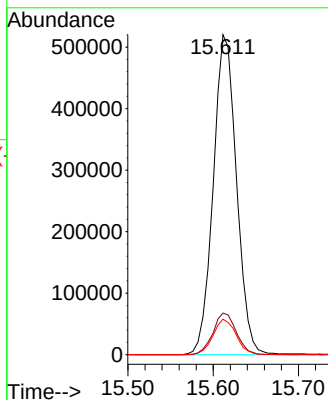
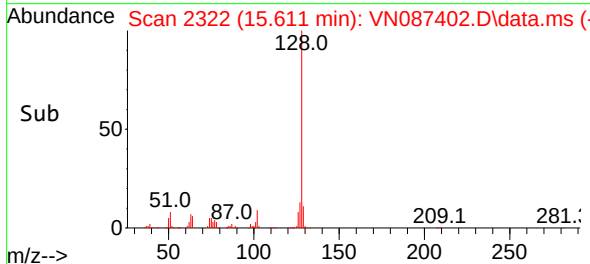
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



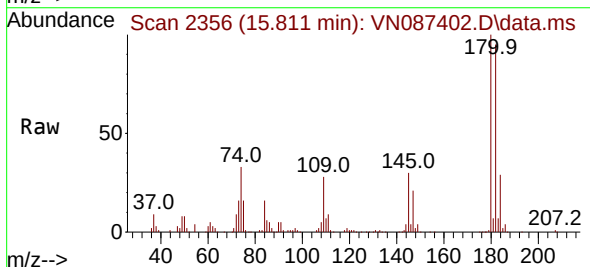
Tgt Ion:128 Resp: 986483
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.0 9.0 13.4

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 116.752 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087402.D
Acq: 23 Jul 2025 11:11



Tgt Ion:180 Resp: 284691
Ion Ratio Lower Upper
180 100
182 93.9 0.0 185.4
145 31.7 0.0 73.2

