

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052925\
 Data File : VN086806.D
 Acq On : 29 May 2025 10:56
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:56:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 01:54:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	37241	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	212389	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	186195	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78023	30.493	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.633%			
60) 4-Bromofluorobenzene	12.847	95	82926	28.367	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.567%			
63) Toluene-d8	10.565	98	260807	30.518	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.733%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	11327	4.478	ug/l	96
3) Chloromethane	2.359	50	16496	5.058	ug/l	98
4) Vinyl Chloride	2.518	62	14616	4.870	ug/l #	88
5) Bromomethane	2.959	94	9132	5.743	ug/l	98
6) Chloroethane	3.118	64	9356	5.097	ug/l	95
7) Trichlorofluoromethane	3.500	101	17657	5.023	ug/l	98
8) Diethyl Ether	3.959	74	7383	5.035	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	10627	4.933	ug/l	98
10) 1,1-Dichloroethene	4.336	96	10757	4.898	ug/l	95
11) Methyl Iodide	4.583	142	12515	4.834	ug/l	92
12) Methyl Acetate	5.024	43	11690m	4.806	ug/l	
13) Acrolein	4.171	56	5375m	21.245	ug/l	
14) Acrylonitrile	5.718	53	27855	24.541	ug/l	96
15) Acetone	4.424	58	7319	25.468	ug/l	94
16) Carbon Disulfide	4.712	76	31360	4.892	ug/l	97
17) Allyl chloride	5.018	41	16252	4.981	ug/l	95
18) Methylene Chloride	5.271	84	13664m	5.357	ug/l	
19) trans-1,2-Dichloroethene	5.789	96	11161	4.856	ug/l #	92
20) Diisopropyl ether	6.671	45	35354	4.920	ug/l	96
21) 1,1-Dichloroethane	6.565	63	21896	5.049	ug/l	99
22) cis-1,2-Dichloroethene	7.483	96	13781	4.951	ug/l	98
23) tert-Butyl Alcohol	5.506	59	8433m	23.137	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	34909	4.823	ug/l #	80
25) Chloroform	7.959	83	22264	5.245	ug/l	94
26) Cyclohexane	8.253	56	18316	4.880	ug/l #	100
29) 1,1-Dichloropropene	8.365	75	15092	4.833	ug/l	97
30) 2-Butanone	7.477	43	33735	24.656	ug/l	99
31) 2,2-Dichloropropane	7.483	77	19090	5.179	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	18294	5.054	ug/l	97
33) Carbon Tetrachloride	8.359	117	15157	4.898	ug/l	94
34) Benzene	8.600	78	50453	4.966	ug/l #	89
35) Methacrylonitrile	7.777	41	7833	4.984	ug/l	90
36) 1,2-Dichloroethane	8.671	62	15344	5.154	ug/l	98
37) Trichloroethene	9.347	130	14868	5.276	ug/l	98
38) Methylcyclohexane	9.594	83	15716	4.536	ug/l	96
39) 1,2-Dichloropropane	9.618	63	12174	4.977	ug/l	98
40) Dibromomethane	9.706	93	7950	4.969	ug/l	97
41) Bromodichloromethane	9.882	83	16543	4.940	ug/l	97
42) Vinyl Acetate	6.600	43	87685	21.986	ug/l	100

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDIC005

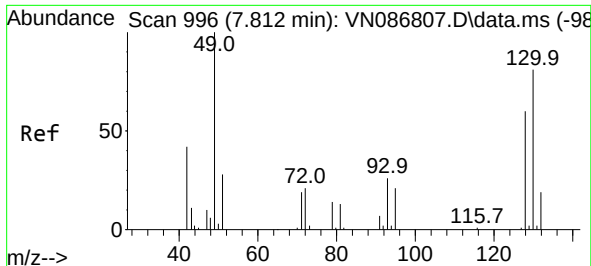
Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:56:47 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	14558	5.200	ug/l	98
44) Isopropyl Acetate	8.682	43	23479	4.889	ug/l	100
45) 1,4-Dioxane	9.694	88	4094	95.906	ug/l	92
46) Methyl methacrylate	9.671	41	10357	4.677	ug/l	80
47) n-amyl Acetate	12.494	43	16344	4.239	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	16607	4.634	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	19230	4.878	ug/l #	91
50) 1,1,2-Trichloroethane	11.012	97	11168	4.956	ug/l	91
51) Ethyl methacrylate	10.871	69	15947	4.370	ug/l	96
52) 1,3-Dichloropropane	11.159	76	20150	5.039	ug/l	99
53) Dibromochloromethane	11.359	129	12418	4.877	ug/l	96
54) 1,2-Dibromoethane	11.465	107	11351	4.928	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	38709	22.097	ug/l	99
56) Bromoform	12.570	173	7209	4.493	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	67317	24.639	ug/l	99
59) 2-Hexanone	11.188	43	46351	23.685	ug/l	97
61) Tetrachloroethene	11.100	164	16293	5.206	ug/l	93
62) Toluene	10.629	91	52880	5.043	ug/l	99
64) Chlorobenzene	11.888	112	34057	5.093	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	11084	5.045	ug/l	98
66) Ethyl Benzene	11.959	91	52316	4.612	ug/l	93
67) m/p-Xylenes	12.065	106	41153	9.246	ug/l	98
68) o-Xylene	12.394	106	19419	4.502	ug/l	97
69) Styrene	12.406	104	31406	4.370	ug/l	97
70) Isopropylbenzene	12.694	105	46104	4.494	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	11178	4.583	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	14250m	4.742	ug/l	
73) Bromobenzene	12.976	156	12029	4.717	ug/l	95
74) n-propylbenzene	13.029	91	54016	4.445	ug/l	100
75) 2-Chlorotoluene	13.123	91	36955	4.738	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	37086	4.345	ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	5247	4.485	ug/l	95
78) 4-Chlorotoluene	13.217	91	35412	4.583	ug/l	99
79) tert-butylbenzene	13.435	119	33215	4.501	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	36547	4.266	ug/l	98
81) sec-Butylbenzene	13.612	105	43627	4.340	ug/l	97
82) p-Isopropyltoluene	13.723	119	34479	4.085	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	21406	4.576	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	21299	4.575	ug/l	98
85) n-Butylbenzene	14.053	91	28928	4.093	ug/l	99
86) Hexachloroethane	14.335	117	6470	4.497	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	21361	4.733	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	2265	4.409	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	8176	4.329	ug/l	97
90) Hexachlorobutadiene	15.500	225	4171	5.153	ug/l	96
91) Naphthalene	15.641	128	26010	3.947	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	8176	4.329	ug/l	97

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

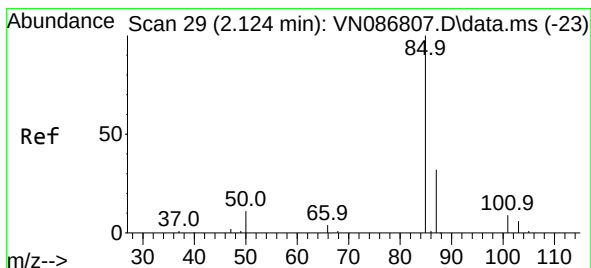
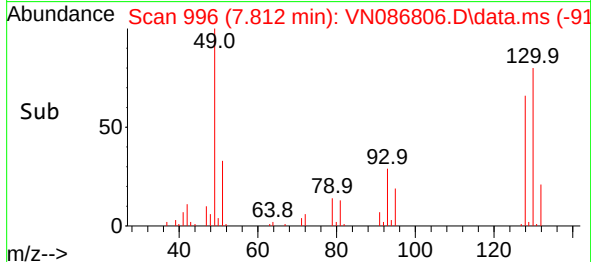
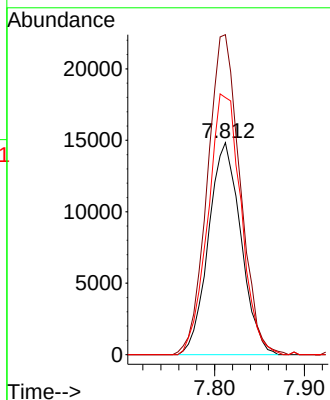
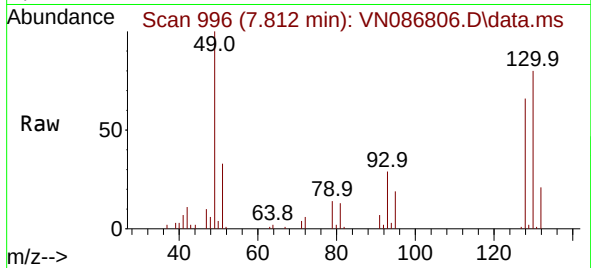
ClientSampleId :

VSTDICC005

Tgt Ion:128 Resp: 3724
Ion Ratio Lower Upper
128 100
49 152.4 0.0 404.5
130 125.7 0.0 322.2

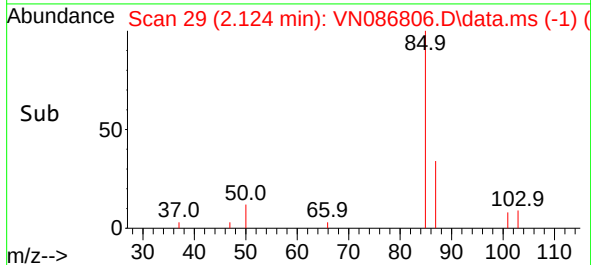
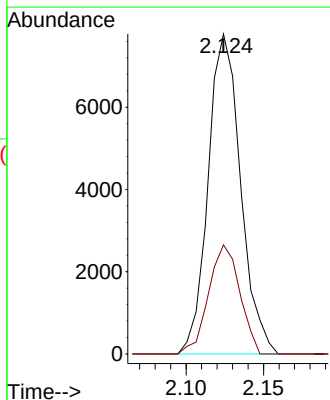
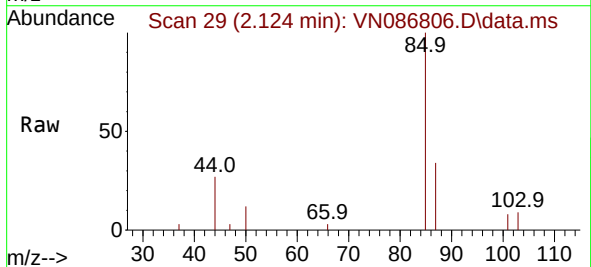
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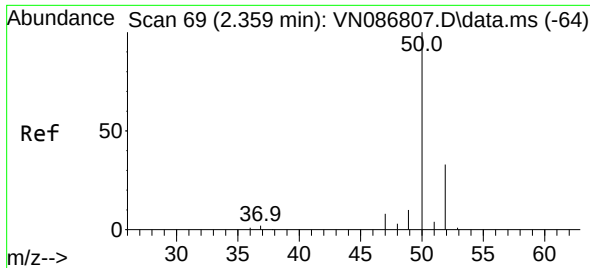
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#2
Dichlorodifluoromethane
Concen: 4.478 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 85 Resp: 11327
Ion Ratio Lower Upper
85 100
87 34.1 15.9 47.7





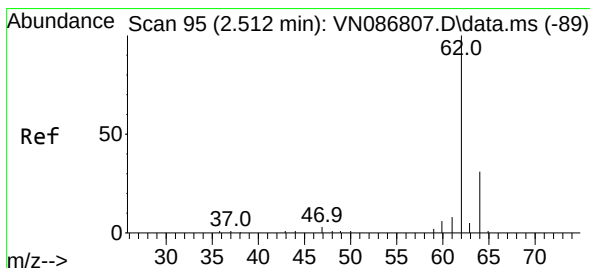
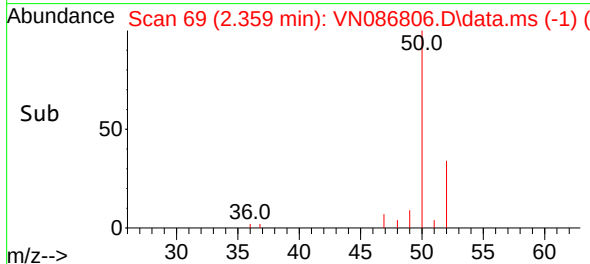
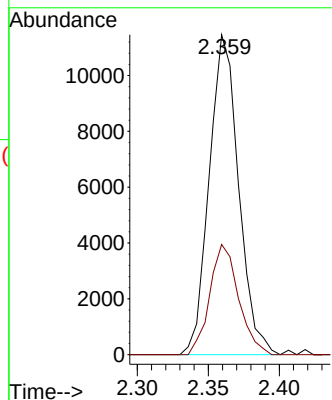
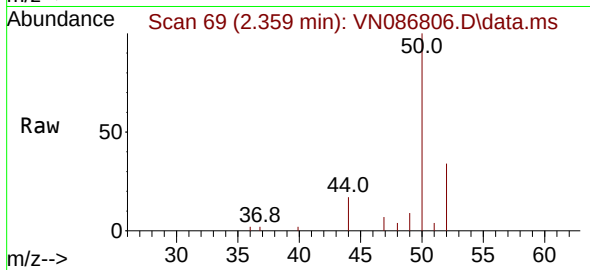
#3
Chloromethane
Concen: 5.058 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 16490
Ion Ratio Lower Upper
50 100
52 34.4 26.6 40.0

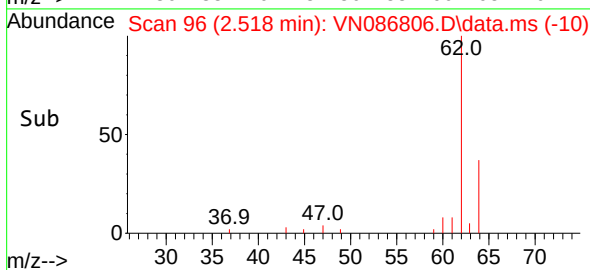
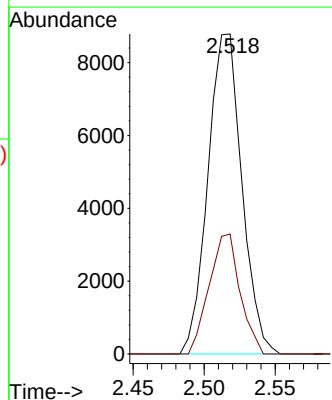
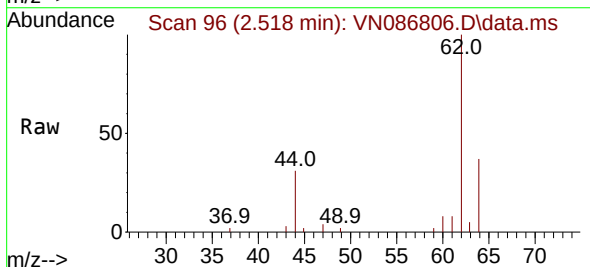
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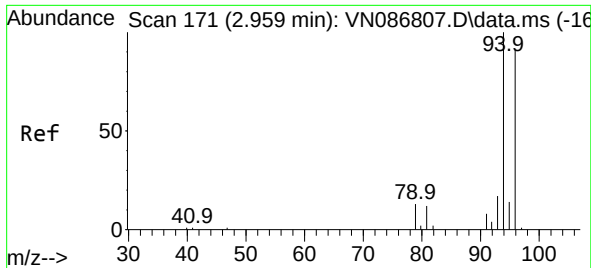
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#4
Vinyl Chloride
Concen: 4.870 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 62 Resp: 14616
Ion Ratio Lower Upper
62 100
64 37.5 24.6 36.8





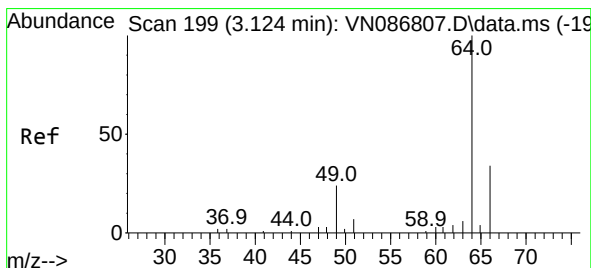
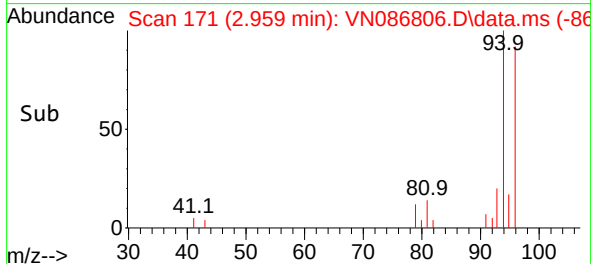
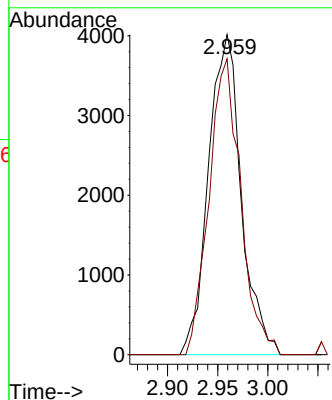
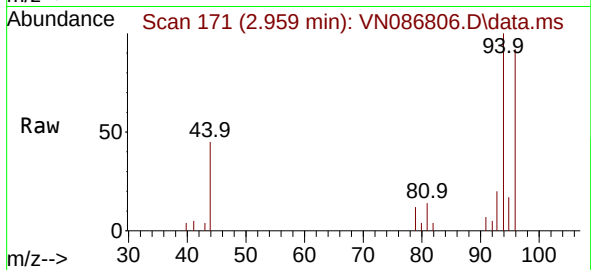
#5
Bromomethane
Concen: 5.743 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 913
Ion Ratio Lower Upper
94 100
96 92.5 72.7 109.1

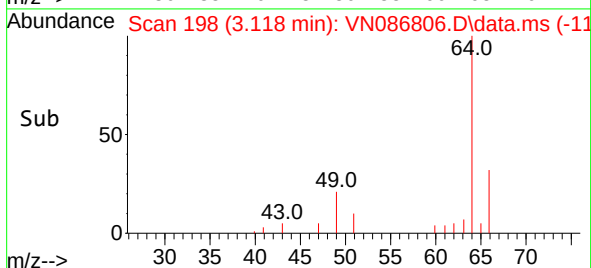
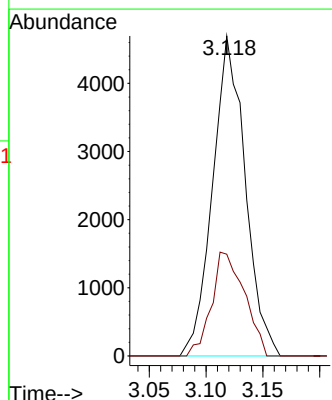
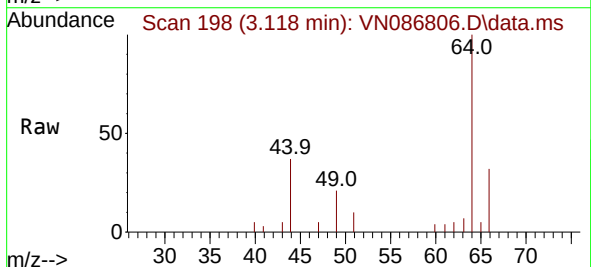
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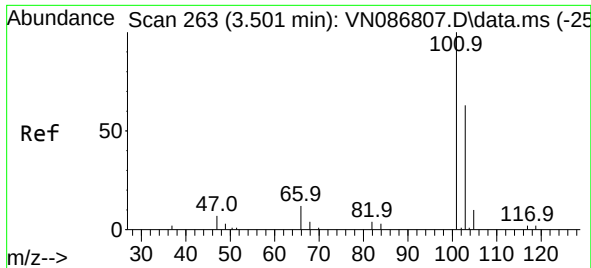
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#6
Chloroethane
Concen: 5.097 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 64 Resp: 9356
Ion Ratio Lower Upper
64 100
66 31.8 27.5 41.3





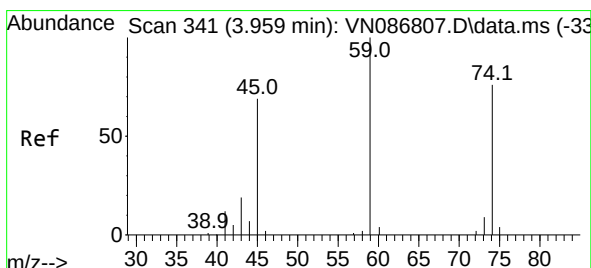
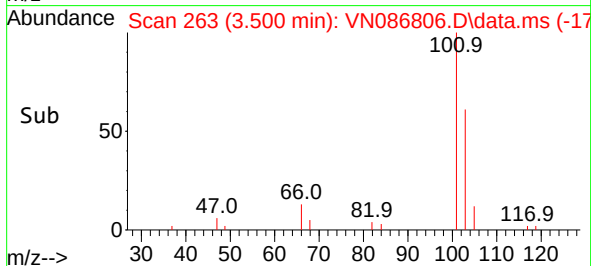
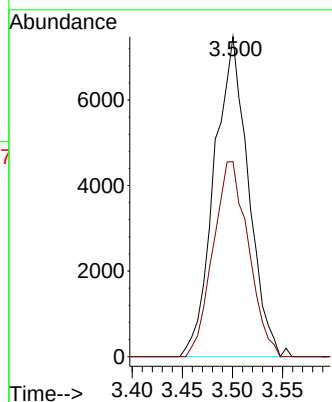
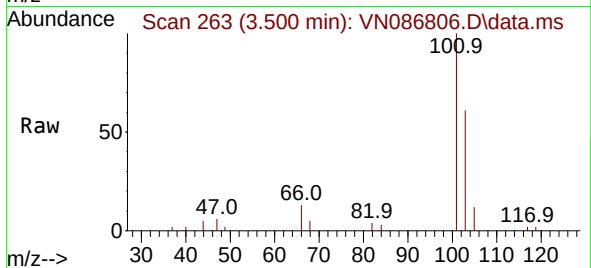
#7
 Trichlorofluoromethane
 Concen: 5.023 ug/l
 RT: 3.500 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Instrument :
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 VSTDIC005

Tgt Ion:101 Resp: 1765
 Ion Ratio Lower Upper
 101 100
 103 60.9 50.0 75.0

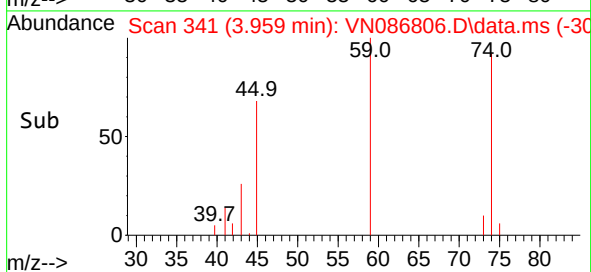
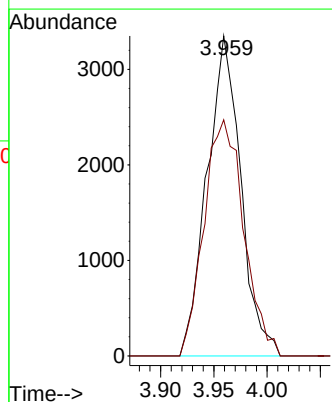
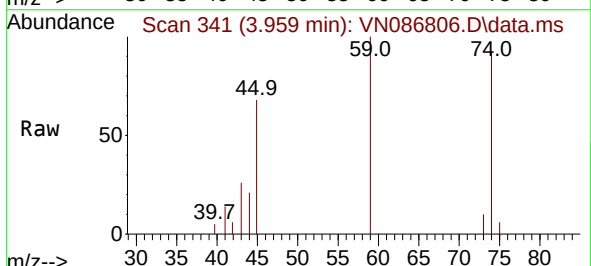
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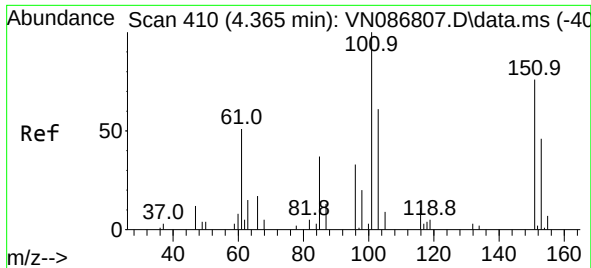
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#8
 Diethyl Ether
 Concen: 5.035 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Tgt Ion: 74 Resp: 7383
 Ion Ratio Lower Upper
 74 100
 45 86.9 17.9 161.5





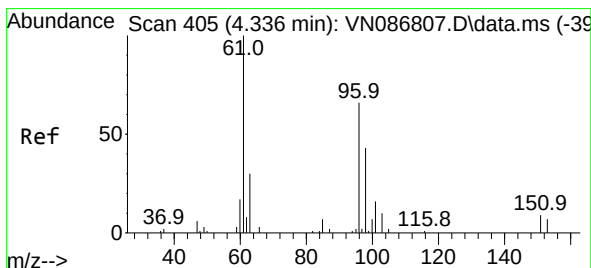
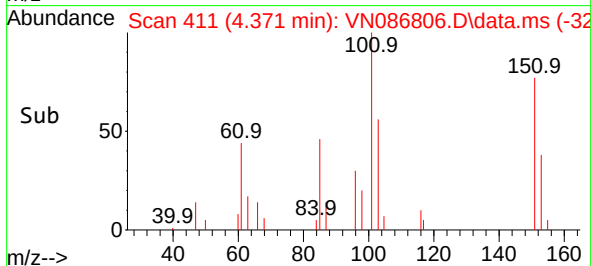
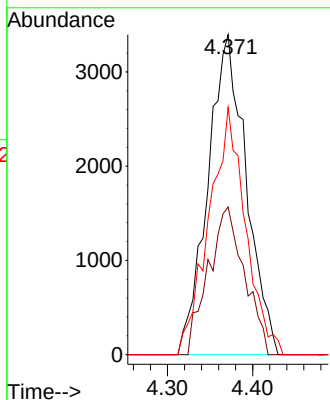
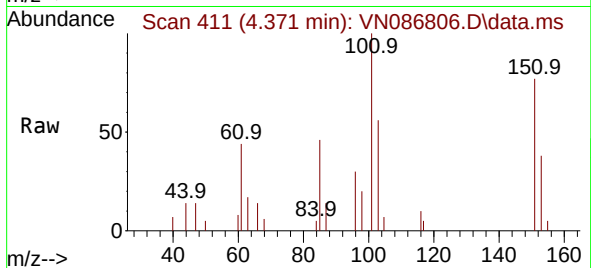
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 1,1,2-Trichlorotrifluoroethane
 Concen: 4.933 ug/l
 RT: 4.371 min Scan# 410
 Delta R.T. 0.006 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 101 Resp: 1062
 Ion Ratio Lower Upper
 101 100
 85 43.4 0.0 83.2
 151 72.1 0.0 145.6

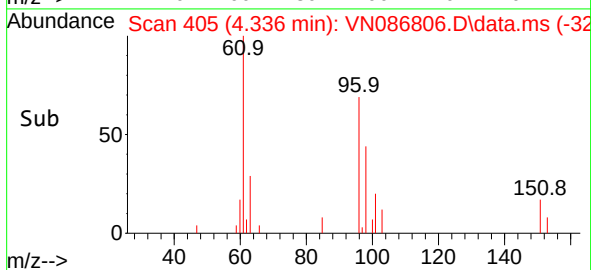
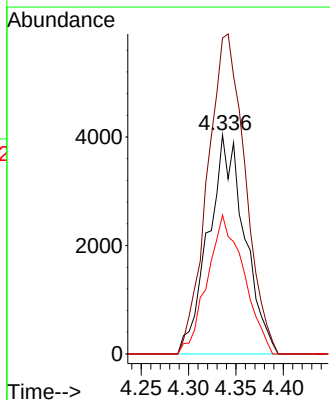
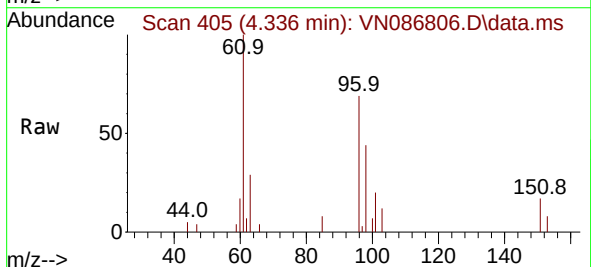
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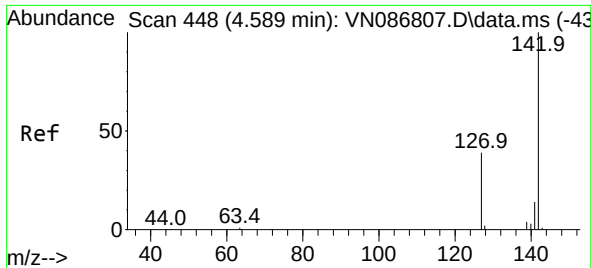
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#10
 1,1-Dichloroethene
 Concen: 4.898 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Tgt Ion: 96 Resp: 10757
 Ion Ratio Lower Upper
 96 100
 61 144.3 121.7 182.5
 98 63.4 51.9 77.9





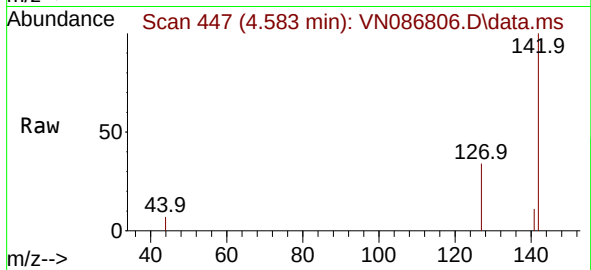
#11
Methyl Iodide
Concen: 4.834 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



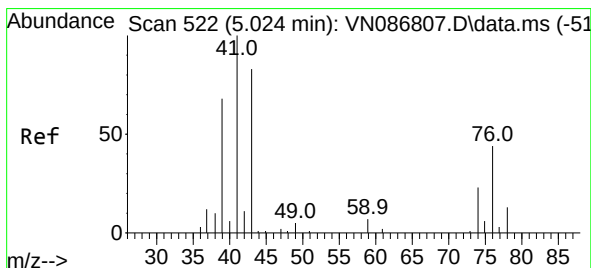
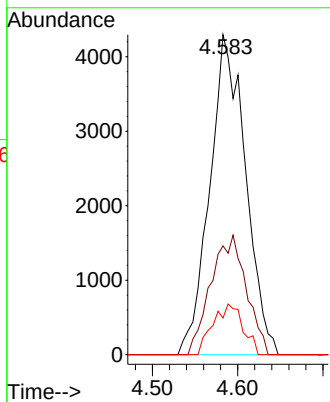
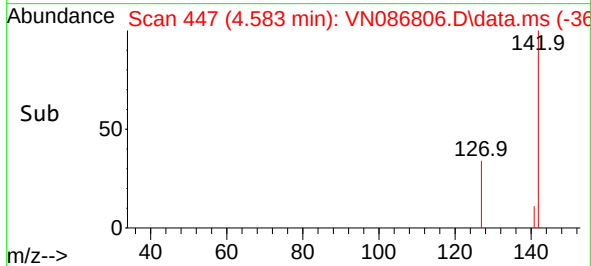
Tgt Ion:142 Resp: 1251
Ion Ratio Lower Upper
142 100
127 34.0 19.5 58.5
141 11.5 7.1 21.4

Manual Integrations

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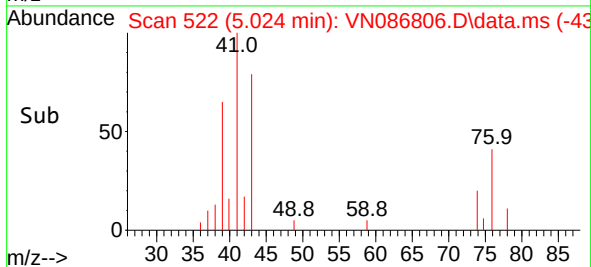
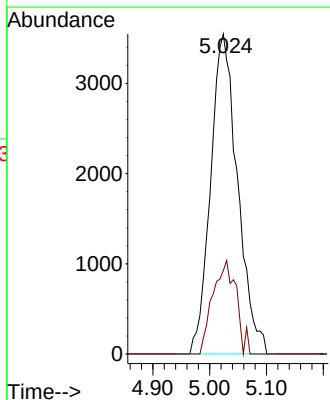
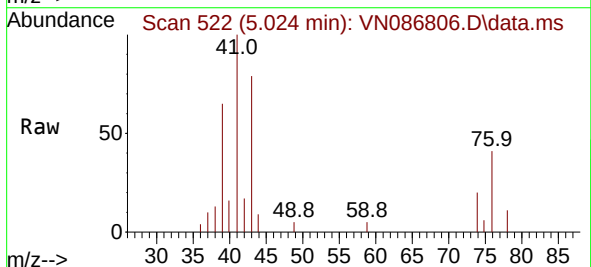
Reviewed By :John Carlone 05/30/2025

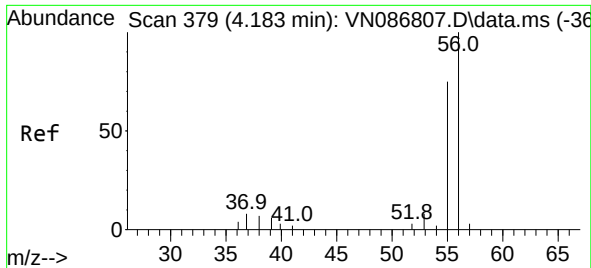
Supervised By :Mahesh Dadoda 05/30/2025



#12
Methyl Acetate
Concen: 4.806 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 43 Resp: 11690
Ion Ratio Lower Upper
43 100
74 26.0 22.7 34.1





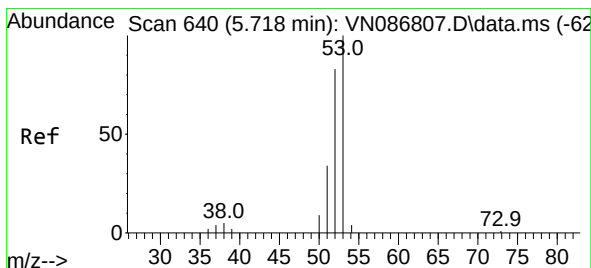
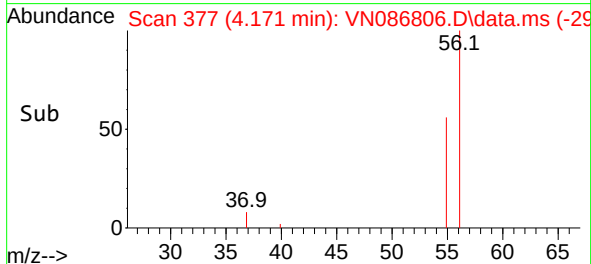
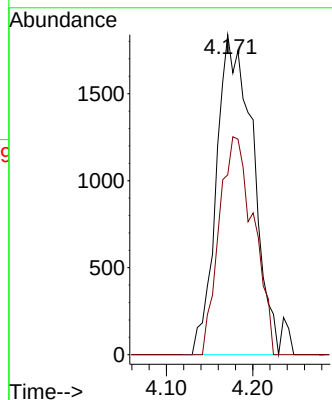
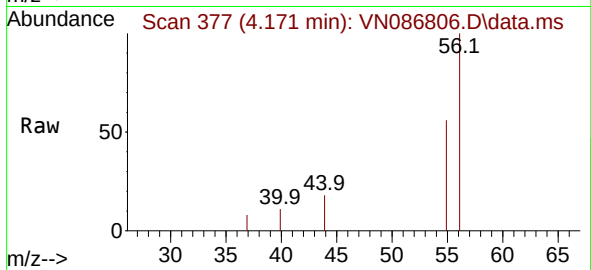
#13
Acrolein
Concen: 21.245 ug/l m
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 64.5 55.9 83.9

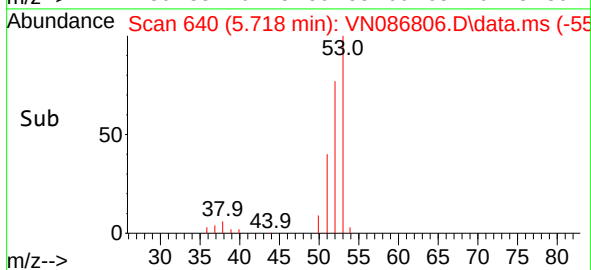
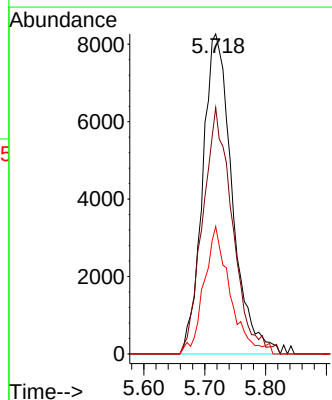
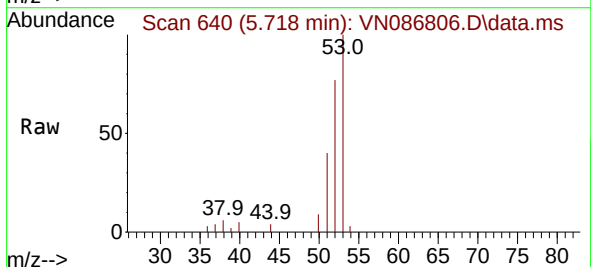
Manual Integrations
APPROVED

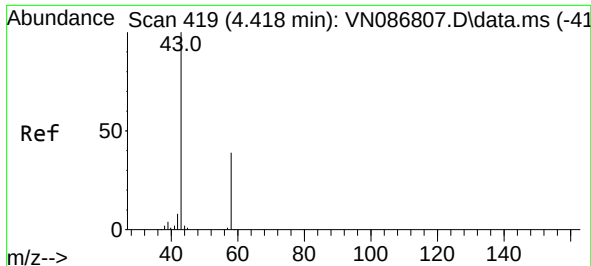
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#14
Acrylonitrile
Concen: 24.541 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 53 Resp: 27855
Ion Ratio Lower Upper
53 100
52 76.1 40.0 119.9
51 34.0 17.5 52.6





#15

Acetone

Concen: 25.468 ug/l

RT: 4.424 min Scan# 419

Delta R.T. 0.006 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 58 Resp: 7319

Ion Ratio Lower Upper

58 100

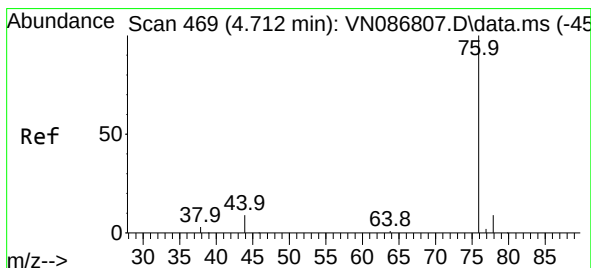
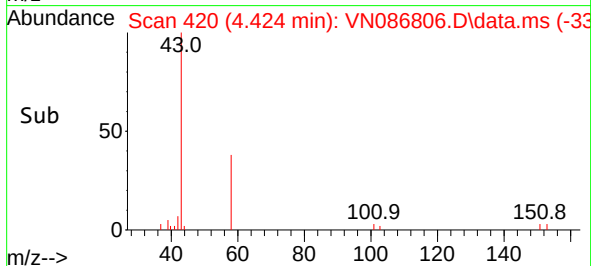
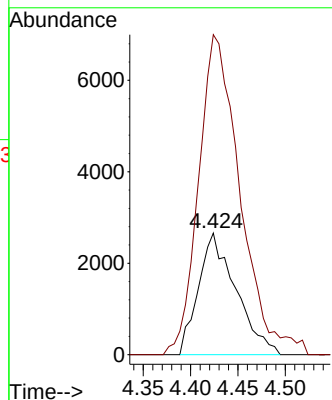
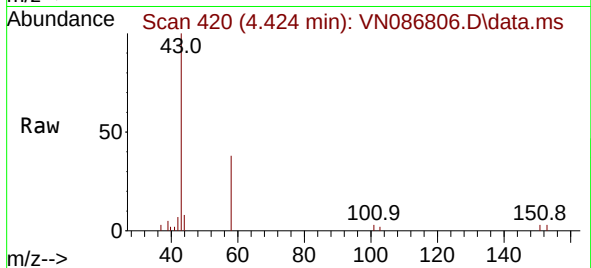
43 249.4 207.7 311.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#16

Carbon Disulfide

Concen: 4.892 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086806.D

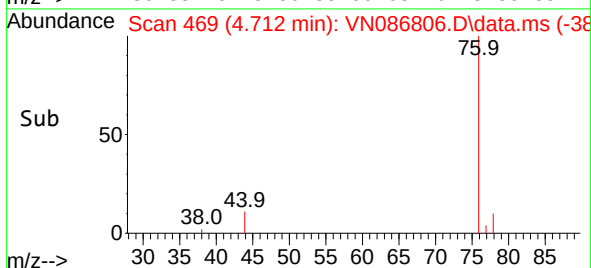
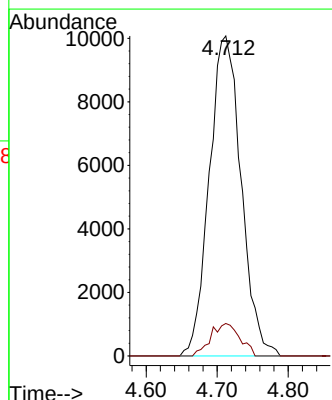
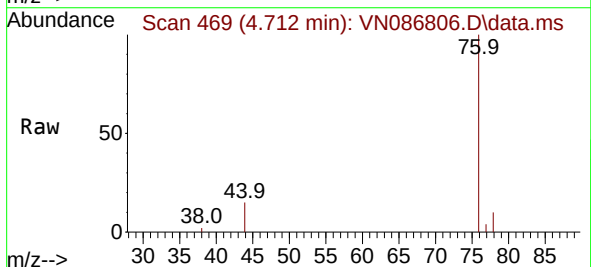
Acq: 29 May 2025 10:56

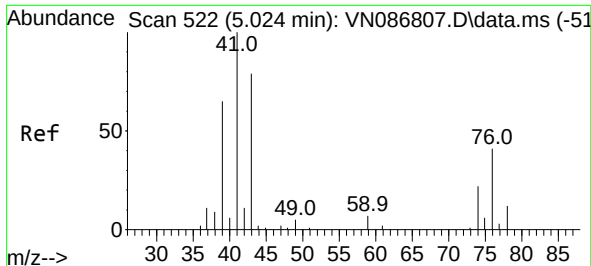
Tgt Ion: 76 Resp: 31360

Ion Ratio Lower Upper

76 100

78 10.1 7.2 10.8





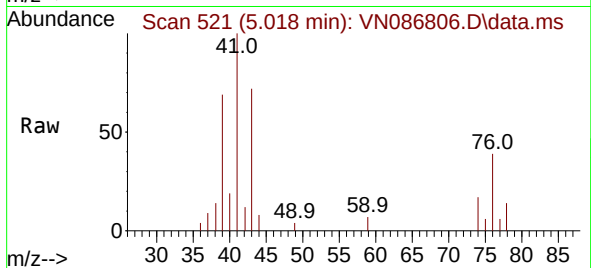
#17
 Allyl chloride
 Concen: 4.981 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



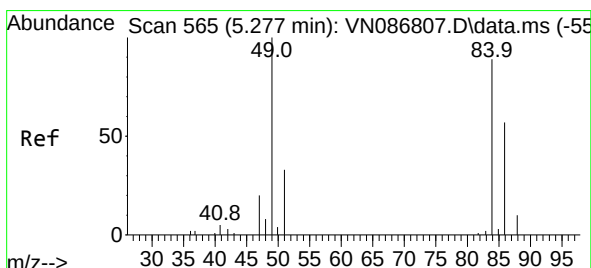
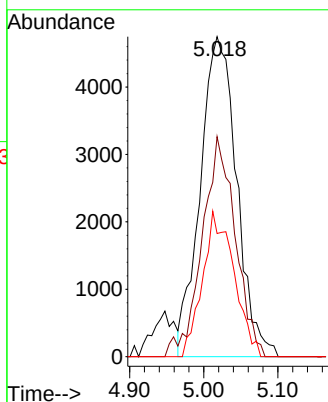
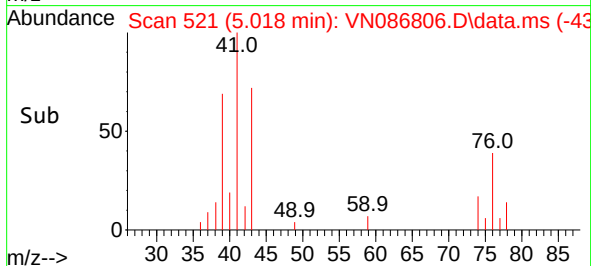
Tgt Ion: 41 Resp: 1625
 Ion Ratio Lower Upper
 41 100
 39 68.8 31.6 94.8
 76 38.5 20.1 60.2

Manual Integrations

APPROVED

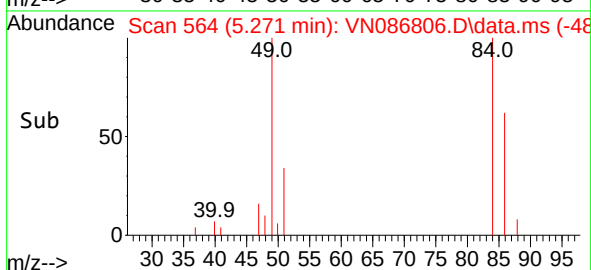
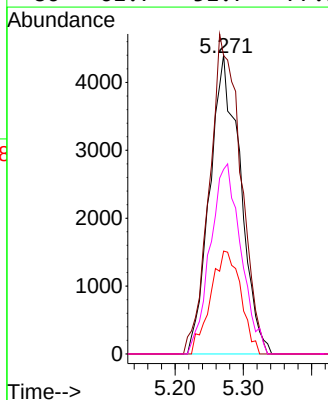
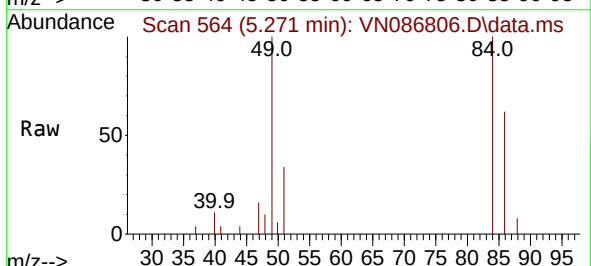
Reviewed By :John Carlone 05/30/2025

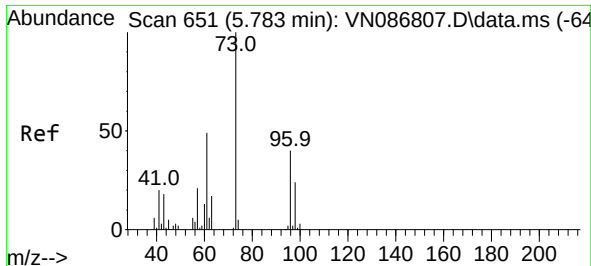
Supervised By :Mahesh Dadoda 05/30/2025



#18
 Methylene Chloride
 Concen: 5.357 ug/l m
 RT: 5.271 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Tgt Ion: 84 Resp: 13664
 Ion Ratio Lower Upper
 84 100
 49 99.7 89.9 134.9
 51 34.4 29.6 44.4
 86 61.7 51.7 77.5





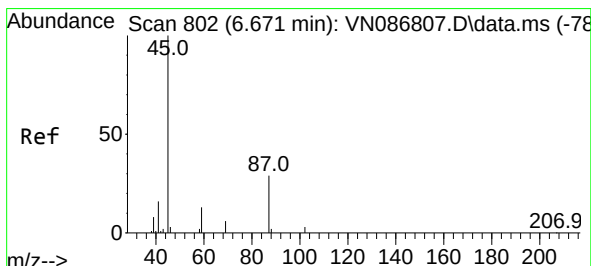
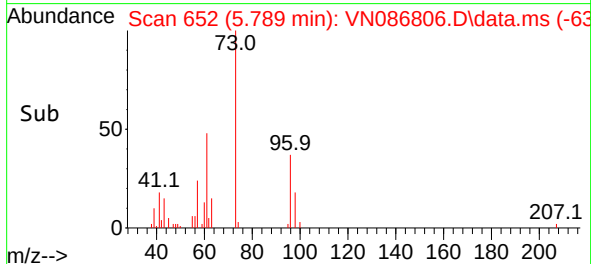
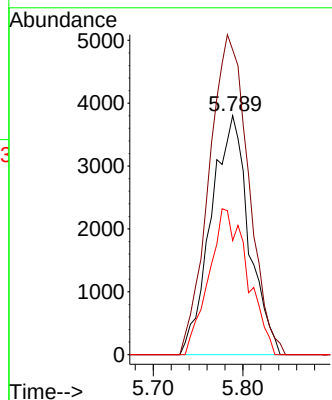
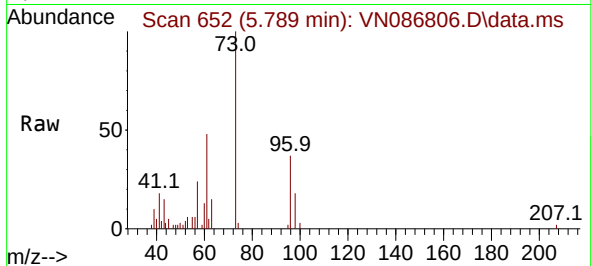
#19
trans-1,2-Dichloroethene
Concen: 4.856 ug/l
RT: 5.789 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 1116
Ion Ratio Lower Upper
96 100
61 127.5 98.9 148.3
98 47.7 49.0 73.4

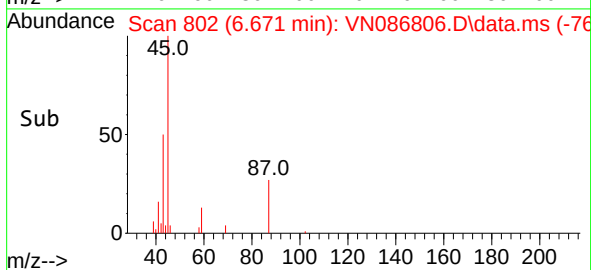
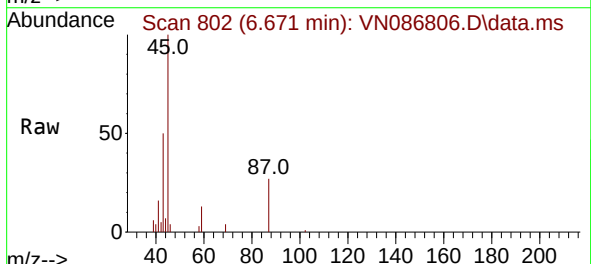
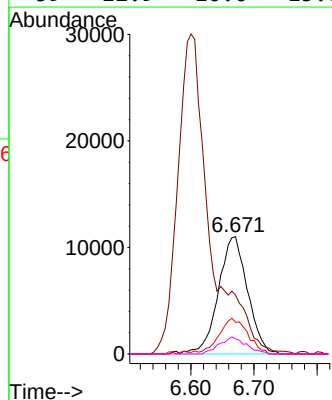
Manual Integrations
APPROVED

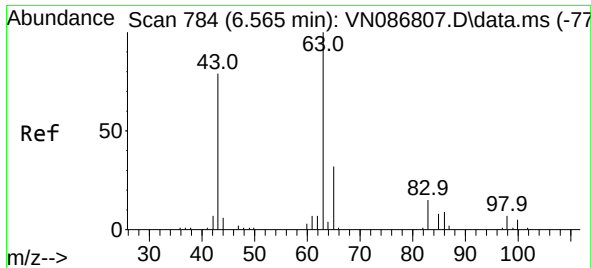
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#20
Diisopropyl ether
Concen: 4.920 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 45 Resp: 35354
Ion Ratio Lower Upper
45 100
43 47.9 40.3 60.5
87 26.9 24.1 36.1
59 12.9 10.0 15.0





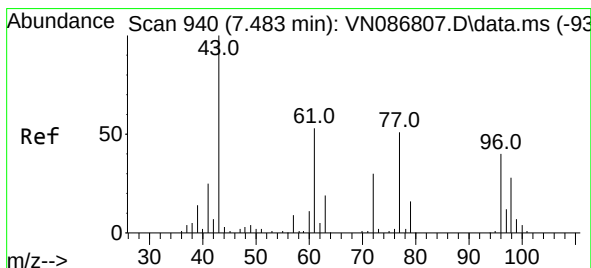
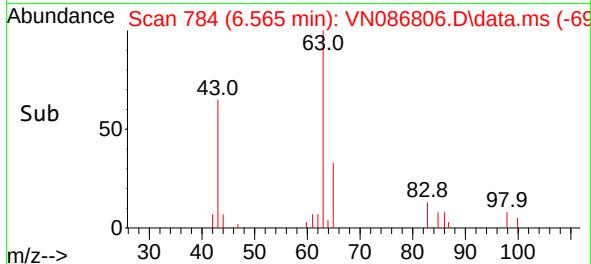
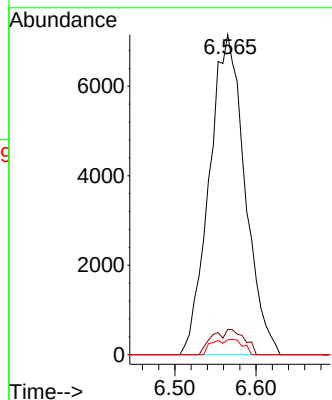
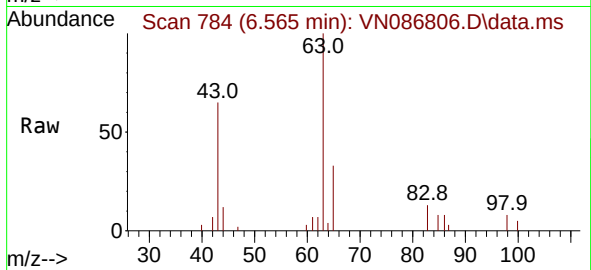
#21
1,1-Dichloroethane
Concen: 5.049 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 21890
Ion Ratio Lower Upper
63 100
98 7.9 3.8 11.2
100 4.6 2.3 6.8

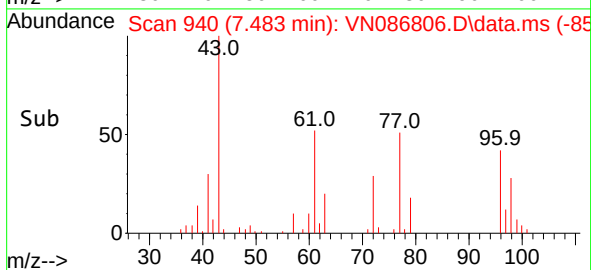
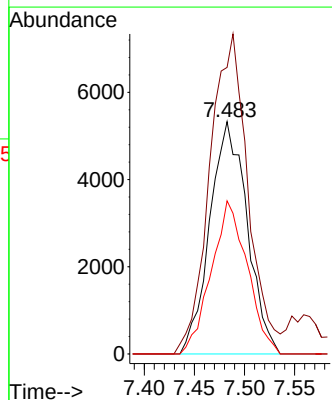
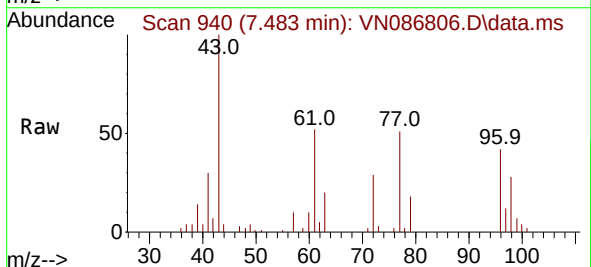
Manual Integrations
APPROVED

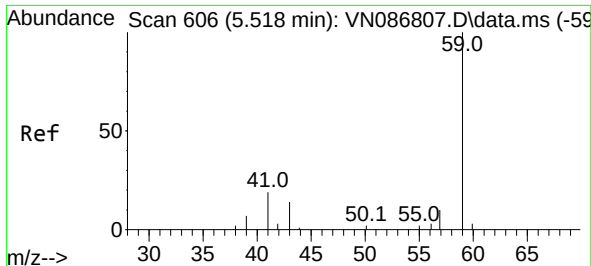
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#22
cis-1,2-Dichloroethene
Concen: 4.951 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

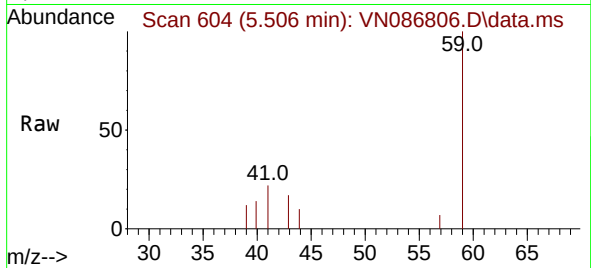
Tgt Ion: 96 Resp: 13781
Ion Ratio Lower Upper
96 100
61 140.7 110.7 166.1
98 63.5 51.8 77.8





#23
tert-Butyl Alcohol
Concen: 23.137 ug/l m
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

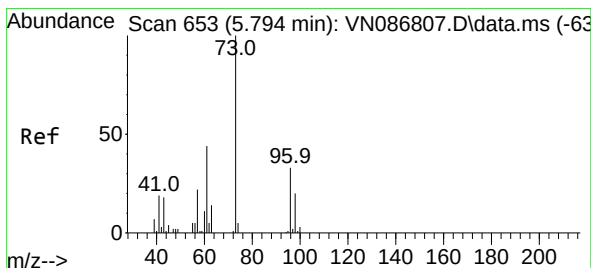
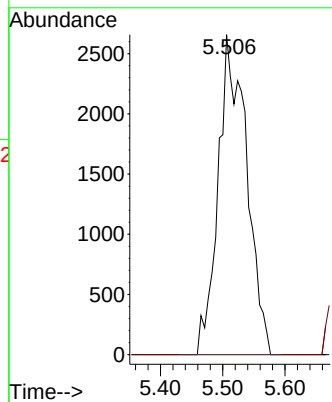
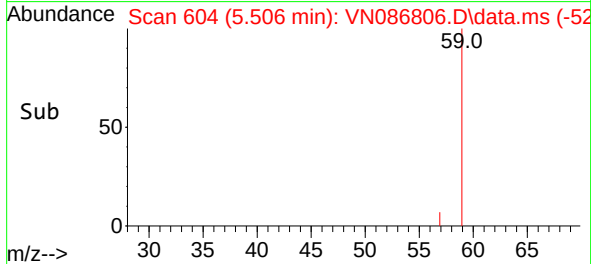
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 59 Resp: 843
Ion Ratio Lower Upper
59 100
52 251.3 0.0 0.0

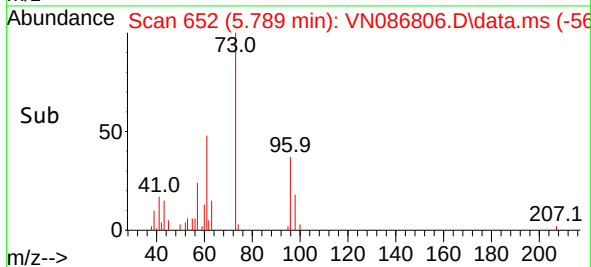
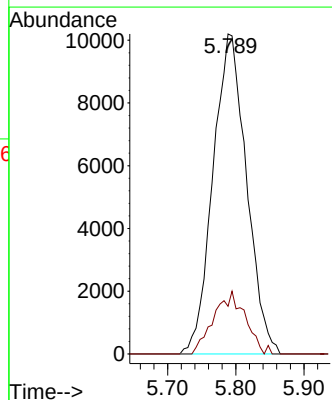
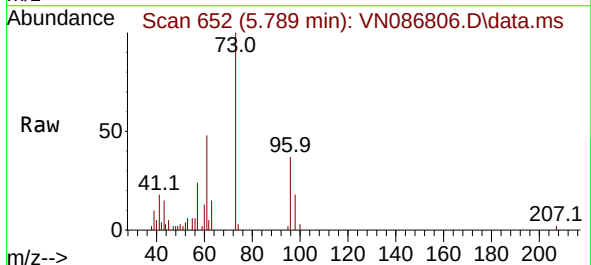
Manual Integrations
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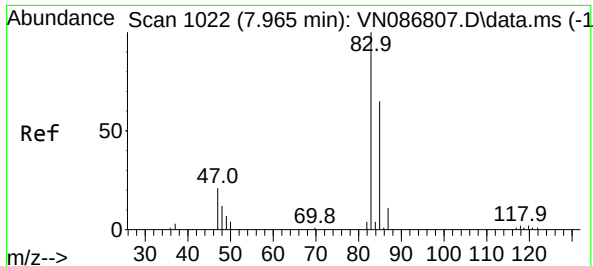
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#24
Methyl tert-Butyl Ether
Concen: 4.823 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 73 Resp: 34909
Ion Ratio Lower Upper
73 100
43 9.3 14.6 22.0





#25

Chloroform

Concen: 5.245 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 22264

Ion Ratio Lower Upper

83 100

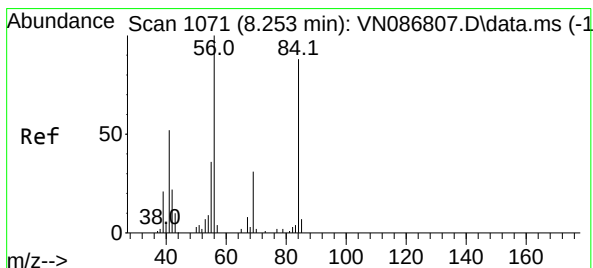
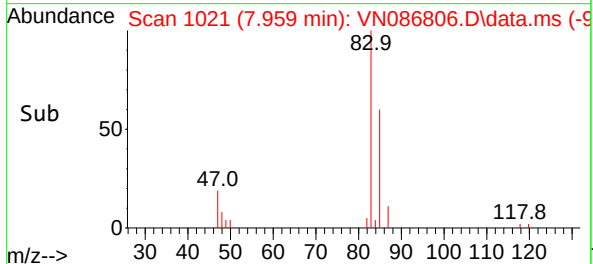
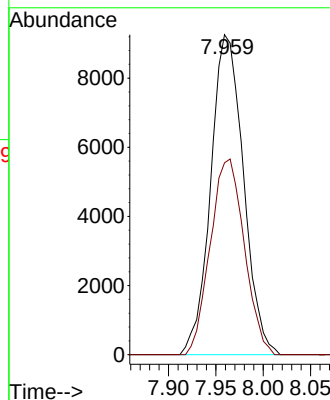
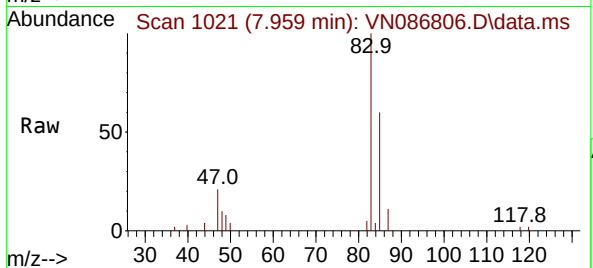
85 59.9 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#26

Cyclohexane

Concen: 4.880 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

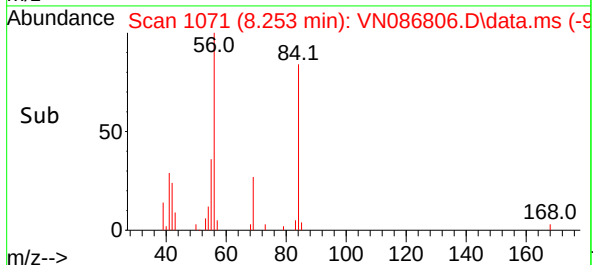
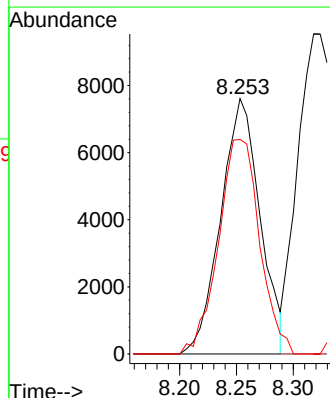
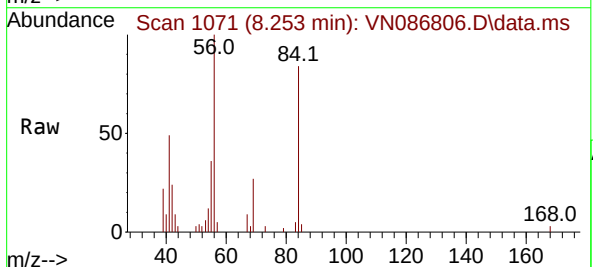
Tgt Ion: 56 Resp: 18316

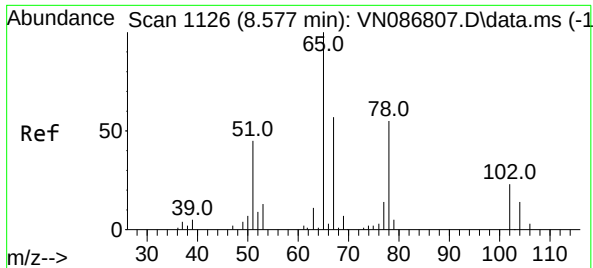
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.9 70.4 105.6





#27
 1,2-Dichloroethane-d4
 Concen: 30.493 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

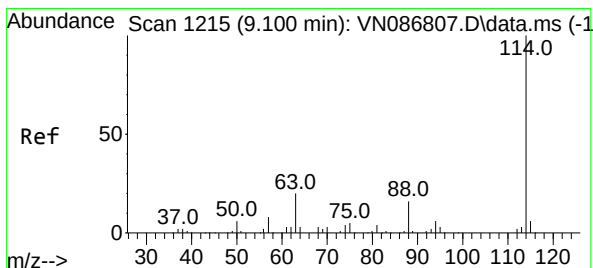
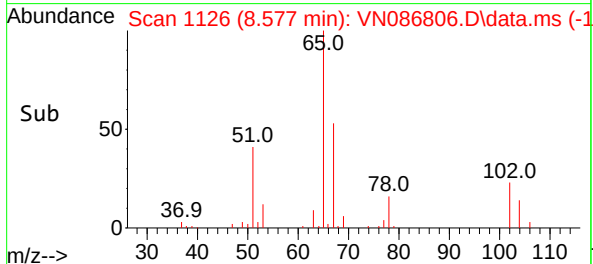
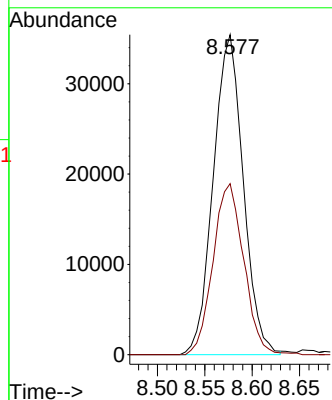
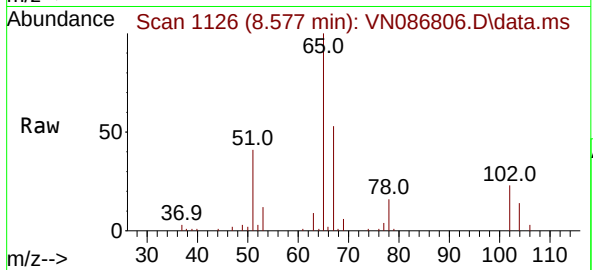
Tgt Ion: 65 Resp: 7802
 Ion Ratio Lower Upper
 65 100
 67 54.7 44.6 67.0

Manual Integrations

APPROVED

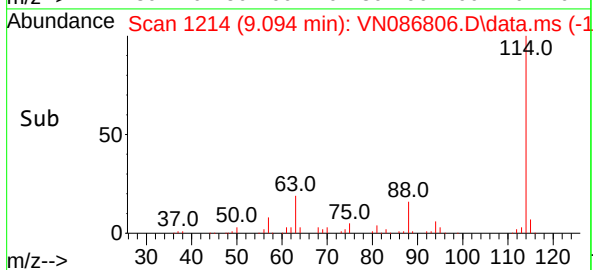
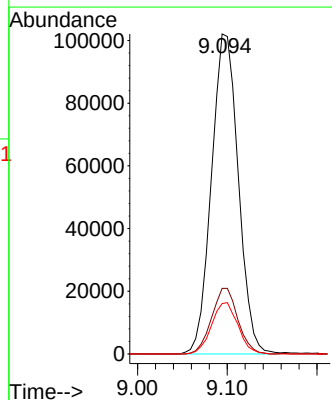
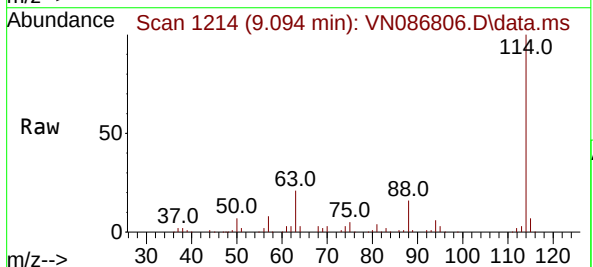
Reviewed By :John Carlone 05/30/2025

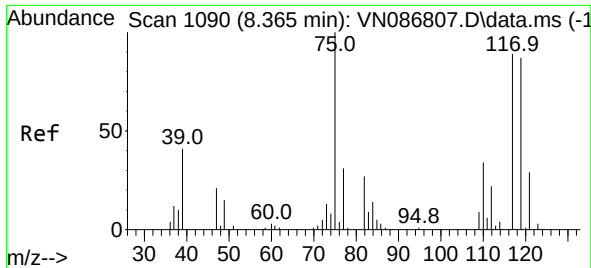
Supervised By :Mahesh Dadoda 05/30/2025



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Tgt Ion:114 Resp: 212389
 Ion Ratio Lower Upper
 114 100
 63 20.0 15.8 23.8
 88 15.8 12.9 19.3





#29

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 8.365 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

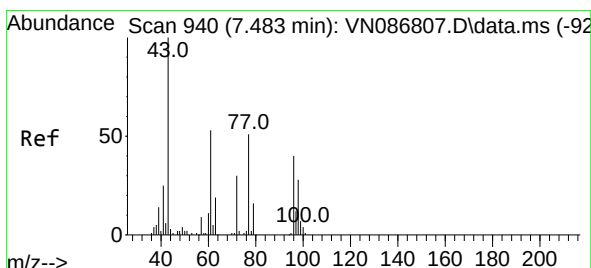
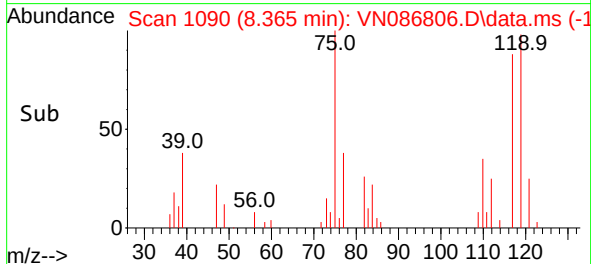
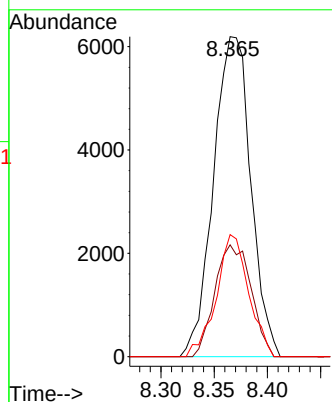
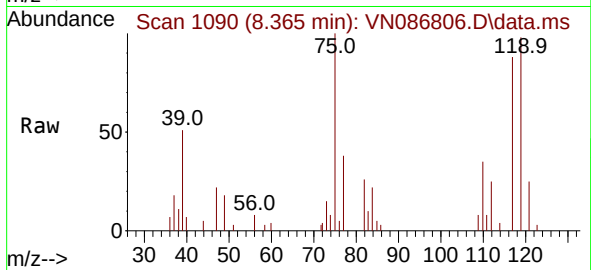
Tgt Ion: 75	Resp: 1509
Ion Ratio	Lower Upper
75 100	
110 33.9	0.0 71.0
77 33.0	0.0 62.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#30

2-Butanone

Concen: 24.656 ug/l

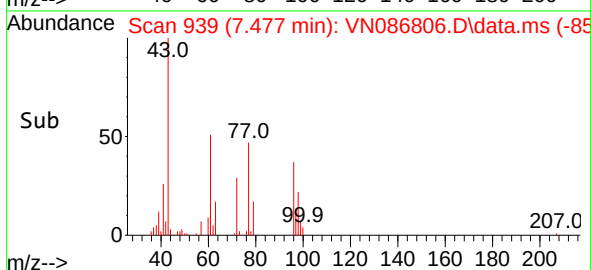
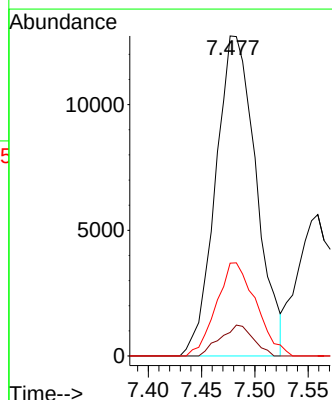
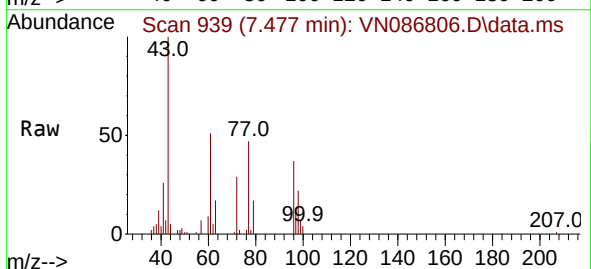
RT: 7.477 min Scan# 939

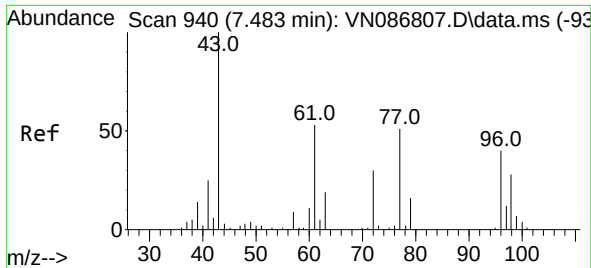
Delta R.T. -0.006 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

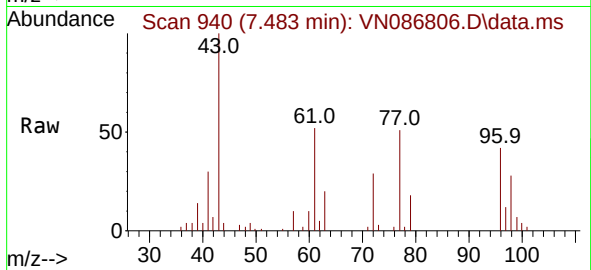
Tgt Ion: 43	Resp: 33735
Ion Ratio	Lower Upper
43 100	
57 7.9	6.8 10.2
72 28.5	23.4 35.0





#31
2,2-Dichloropropane
Concen: 5.179 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

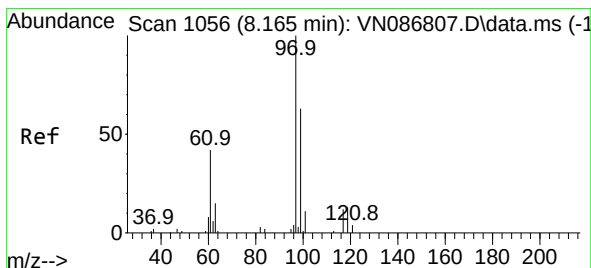
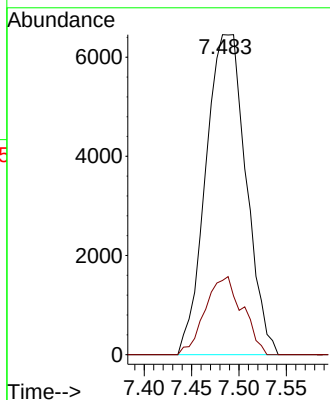
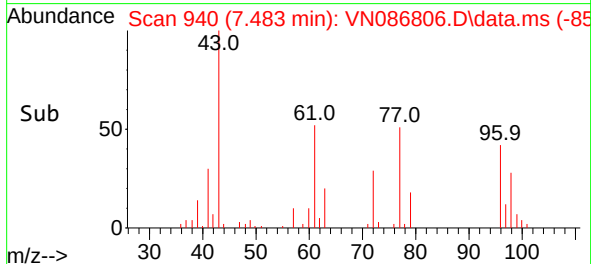
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



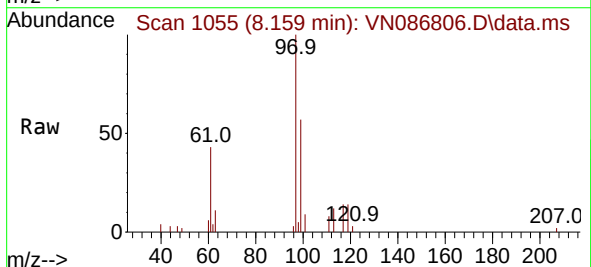
Tgt Ion: 77 Resp: 19090
Ion Ratio Lower Upper
77 100
97 22.6 18.6 27.8

Manual Integrations
APPROVED

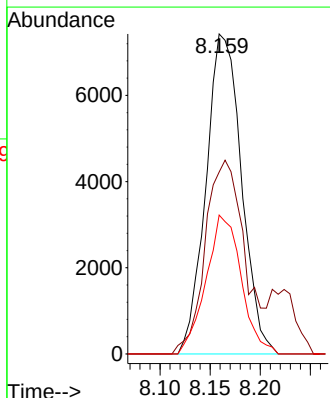
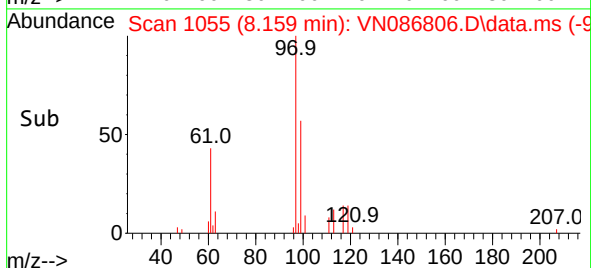
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

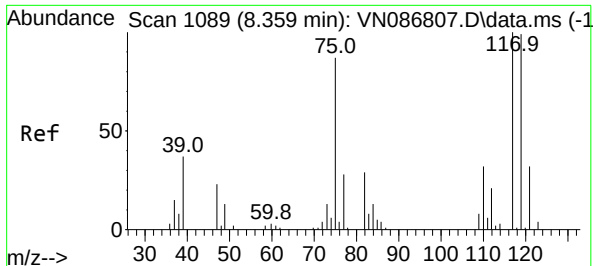


#32
1,1,1-Trichloroethane
Concen: 5.054 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



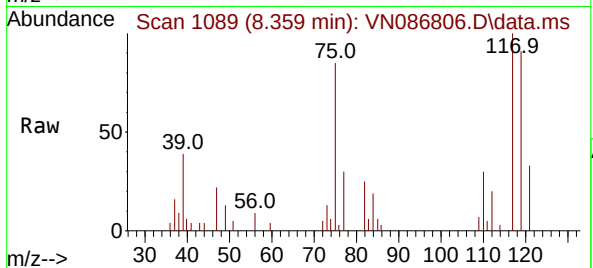
Tgt Ion: 97 Resp: 18294
Ion Ratio Lower Upper
97 100
99 67.8 51.7 77.5
61 43.0 35.4 53.2





#33
Carbon Tetrachloride
Concen: 4.898 ug/l
RT: 8.359 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

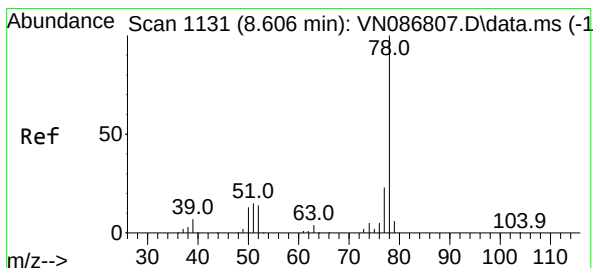
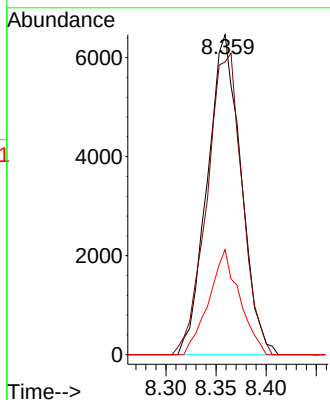
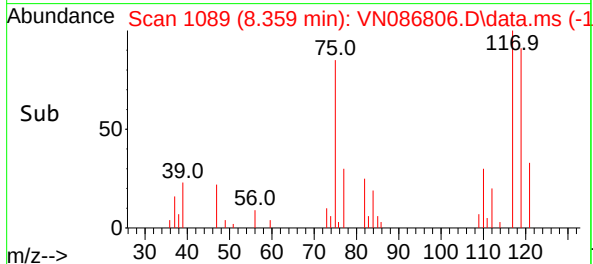
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



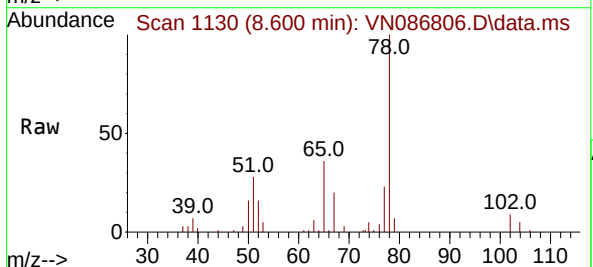
Tgt Ion:117 Resp: 1515
Ion Ratio Lower Upper
117 100
119 91.4 79.2 118.8
121 32.8 25.6 38.4

Manual Integrations
APPROVED

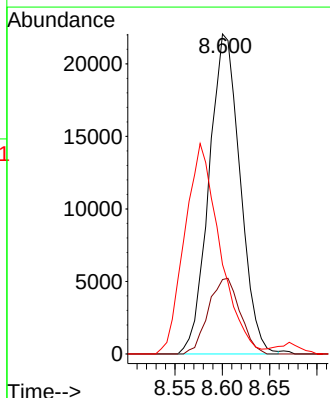
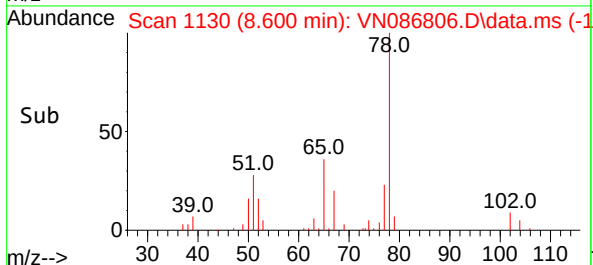
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

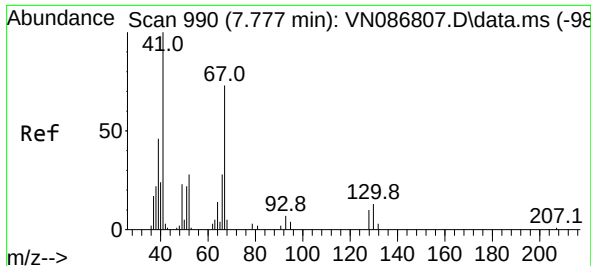


#34
Benzene
Concen: 4.966 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



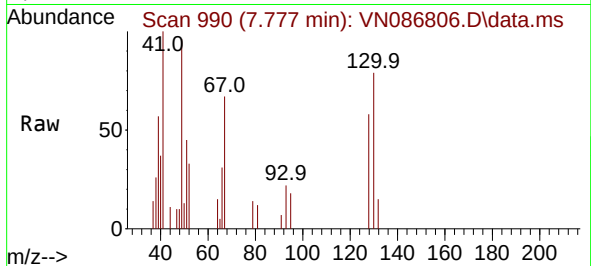
Tgt Ion: 78 Resp: 50453
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.2
51 25.6 11.9 17.9#





#35
Methacrylonitrile
Concen: 4.984 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

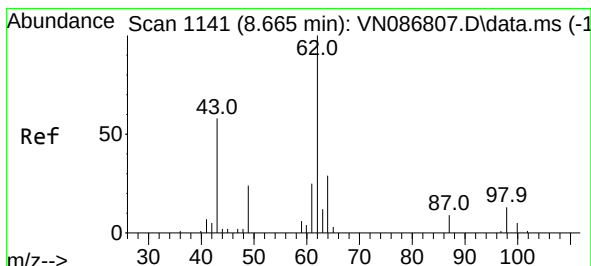
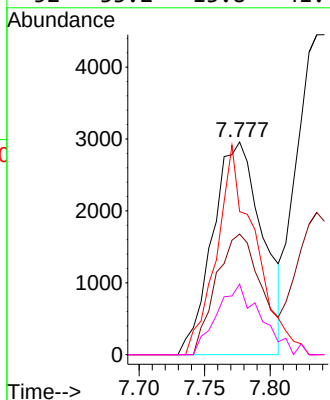
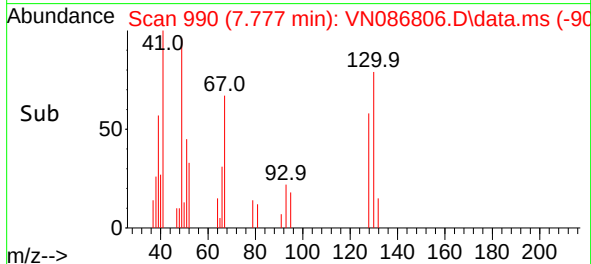
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



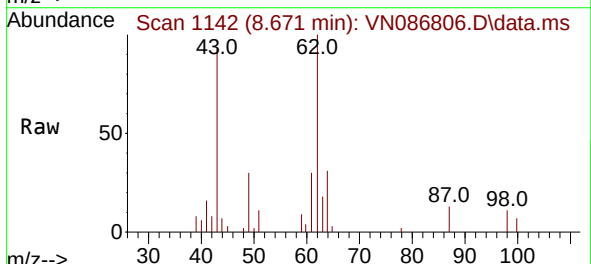
Tgt Ion: 41 Resp: 783
Ion Ratio Lower Upper
41 100
39 56.7 23.2 69.6
67 67.2 36.5 109.7
52 33.2 13.8 41.4

Manual Integrations
APPROVED

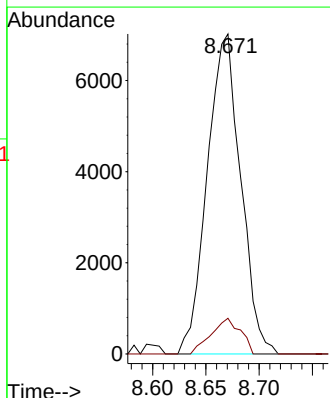
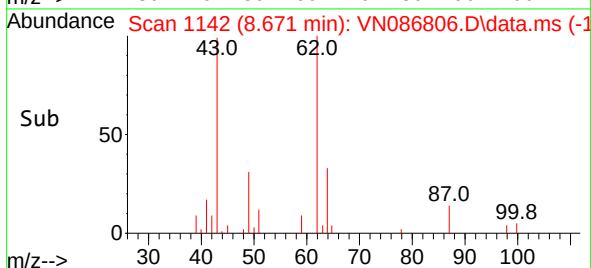
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

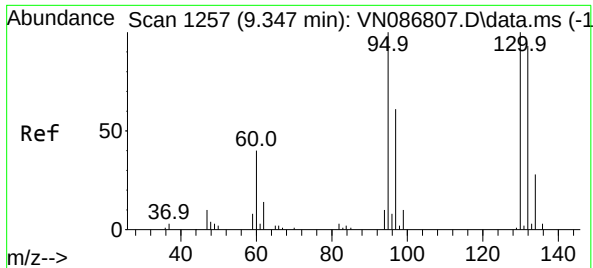


#36
1,2-Dichloroethane
Concen: 5.154 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



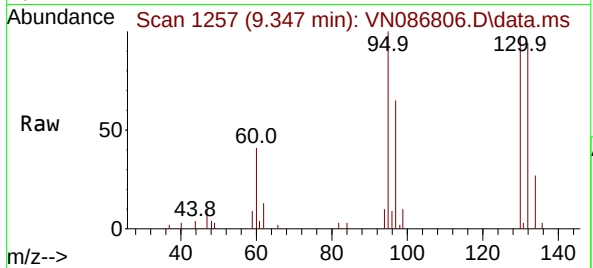
Tgt Ion: 62 Resp: 15344
Ion Ratio Lower Upper
62 100
98 9.8 8.5 12.7





#37
Trichloroethene
Concen: 5.276 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

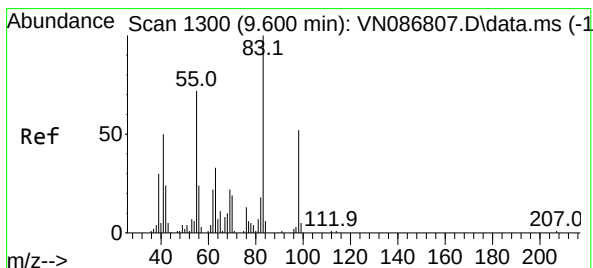
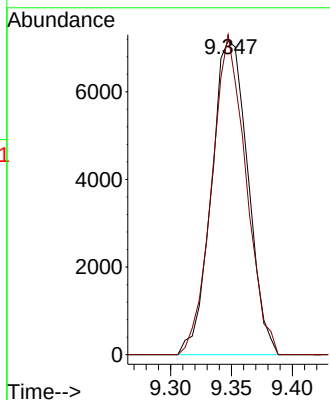
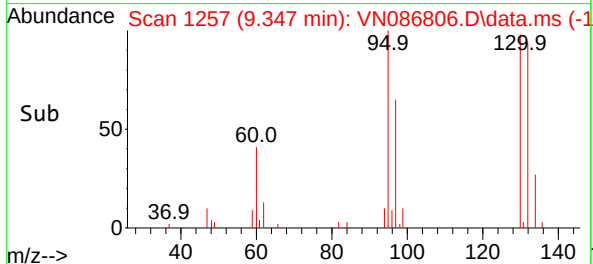
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



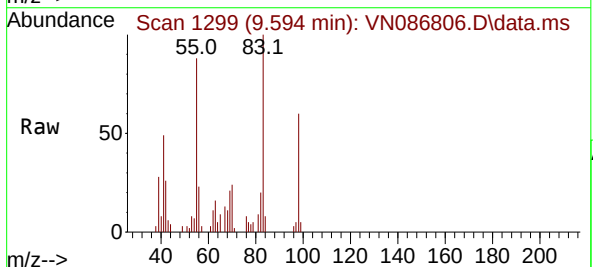
Tgt Ion:130 Resp: 1486
Ion Ratio Lower Upper
130 100
95 102.0 80.3 120.5

Manual Integrations
APPROVED

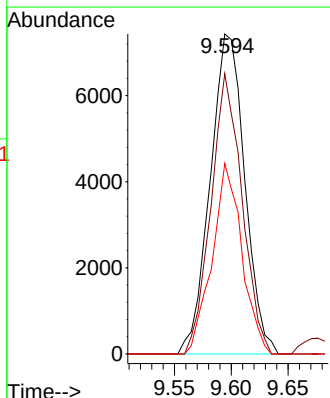
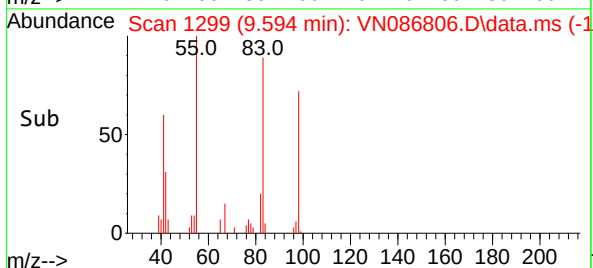
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

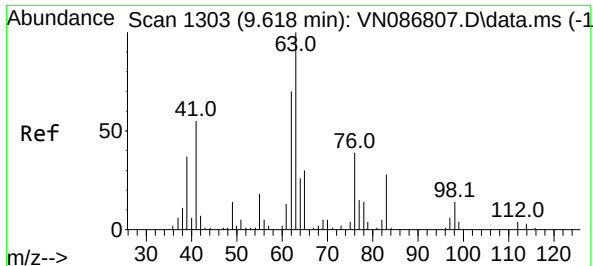


#38
Methylcyclohexane
Concen: 4.536 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



Tgt Ion: 83 Resp: 15716
Ion Ratio Lower Upper
83 100
55 78.6 37.4 112.1
98 51.3 24.6 73.6





#39

1,2-Dichloropropane

Concen: 4.977 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 12174

Ion Ratio Lower Upper

63 100

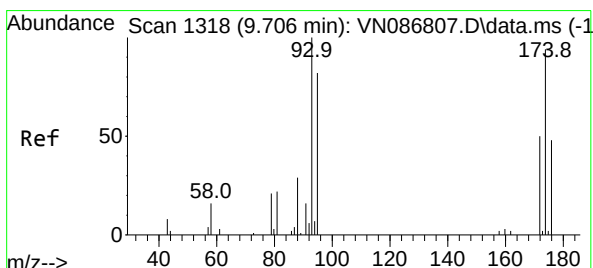
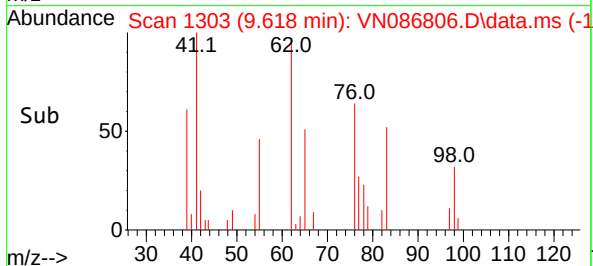
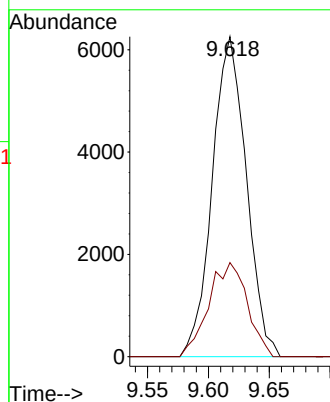
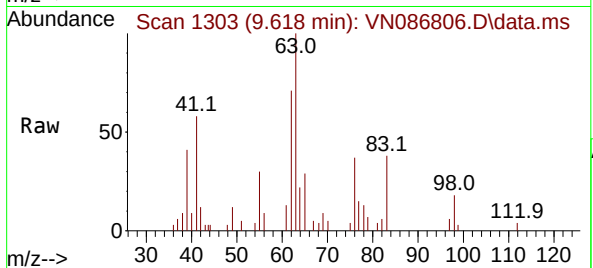
65 29.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#40

Dibromomethane

Concen: 4.969 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

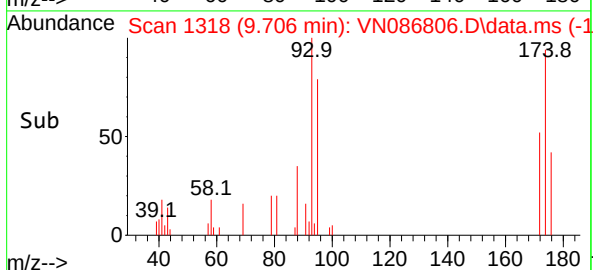
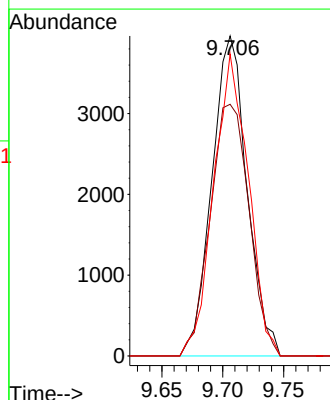
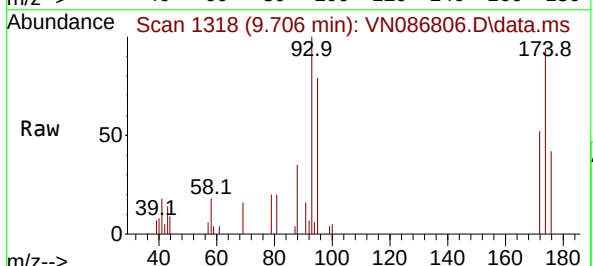
Tgt Ion: 93 Resp: 7950

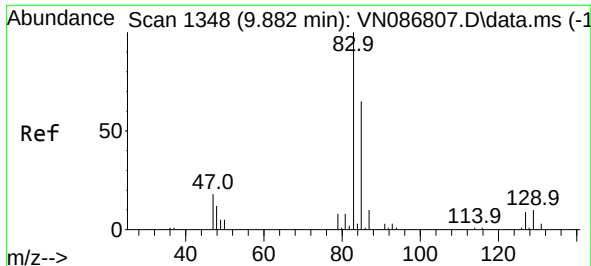
Ion Ratio Lower Upper

93 100

95 87.1 0.0 166.4

174 93.0 0.0 181.8





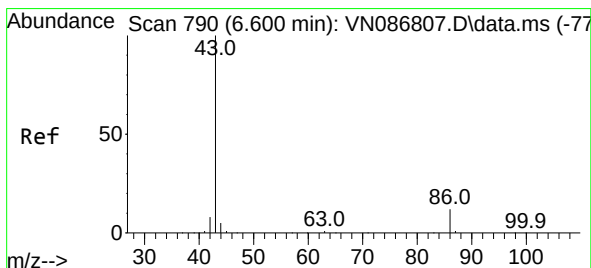
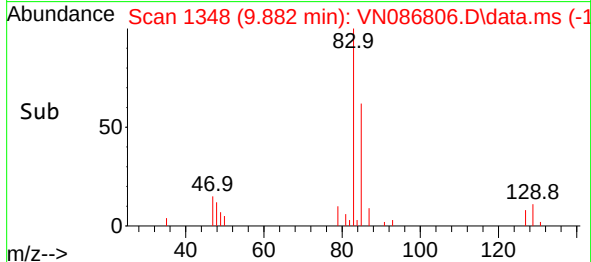
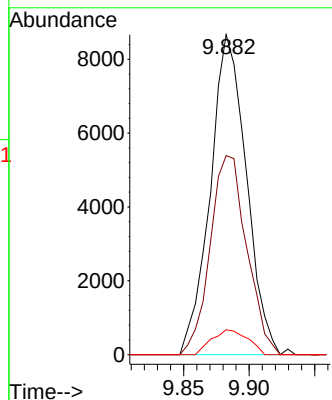
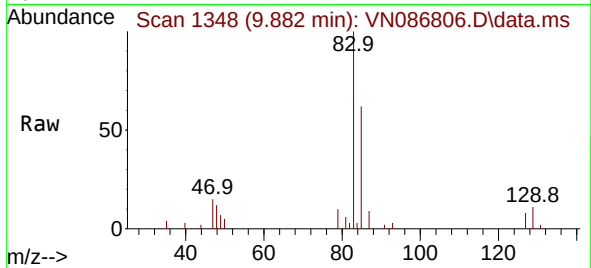
#41
Bromodichloromethane
Concen: 4.940 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1654
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.8
127 7.8 6.8 10.2

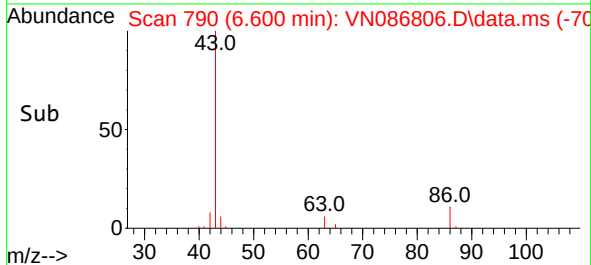
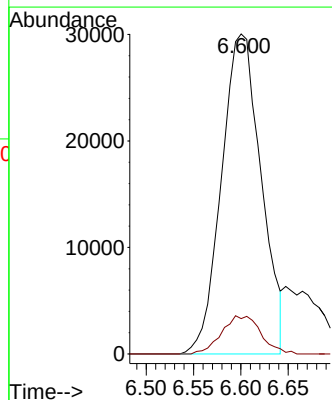
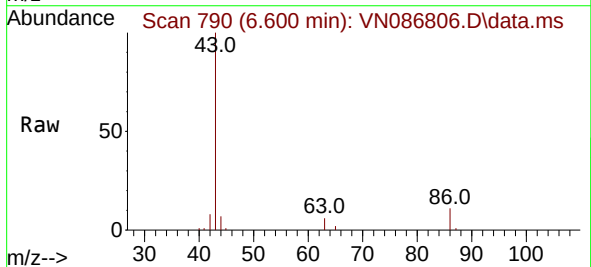
Manual Integrations
APPROVED

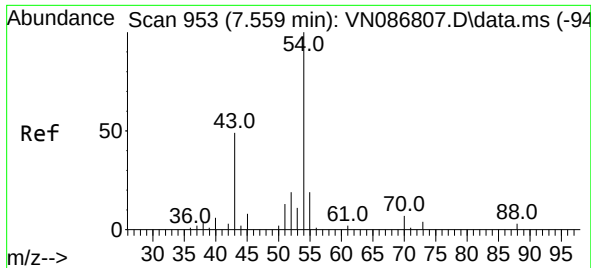
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#42
Vinyl Acetate
Concen: 21.986 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 43 Resp: 87685
Ion Ratio Lower Upper
43 100
86 11.7 9.5 14.3





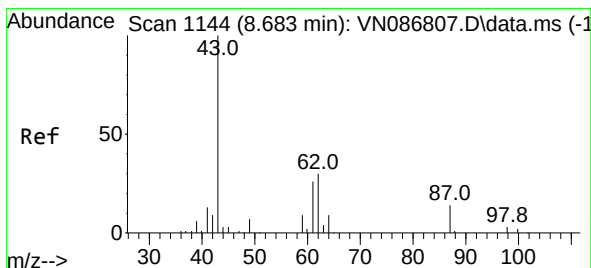
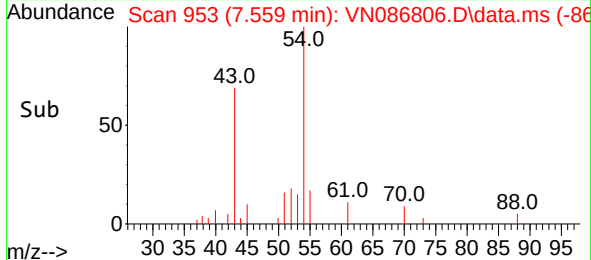
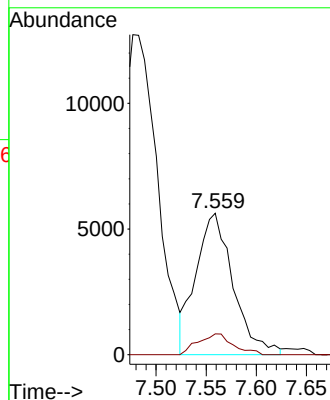
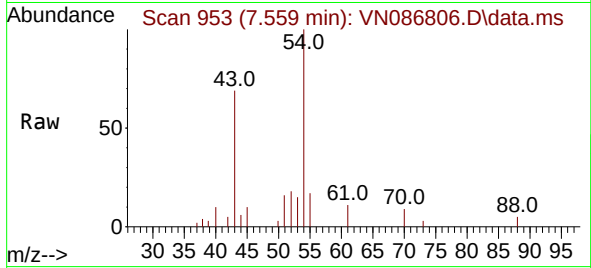
#43
Ethyl Acetate
Concen: 5.200 ug/l
RT: 7.559 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 14558
Ion Ratio Lower Upper
43 100
45 13.0 11.1 16.7

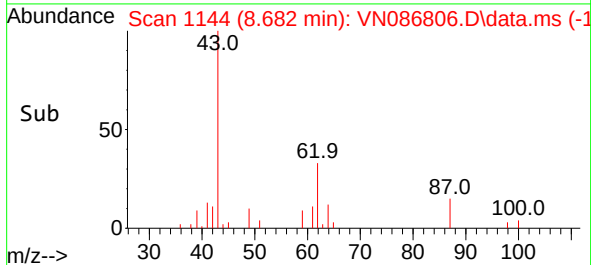
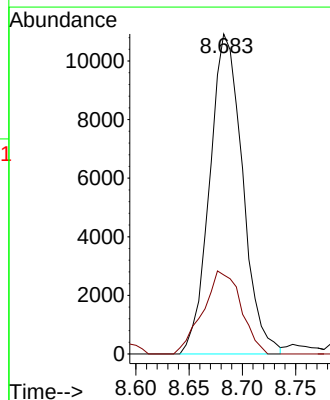
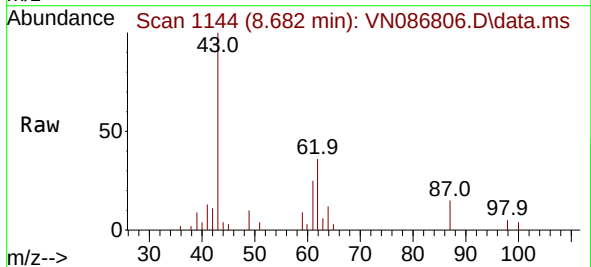
Manual Integrations
APPROVED

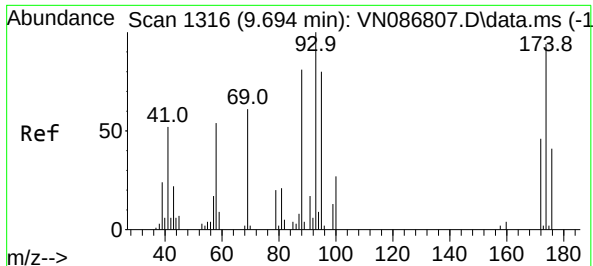
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#44
Isopropyl Acetate
Concen: 4.889 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

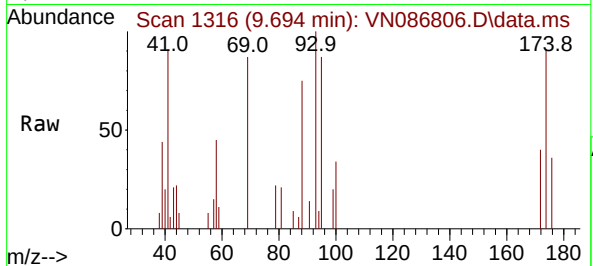
Tgt Ion: 43 Resp: 23479
Ion Ratio Lower Upper
43 100
61 29.9 23.8 35.6





#45
1,4-Dioxane
Concen: 95.906 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

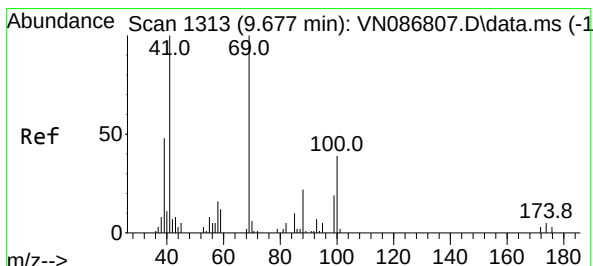
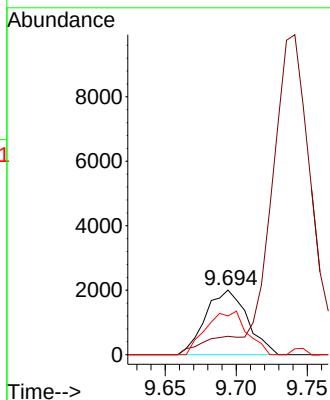
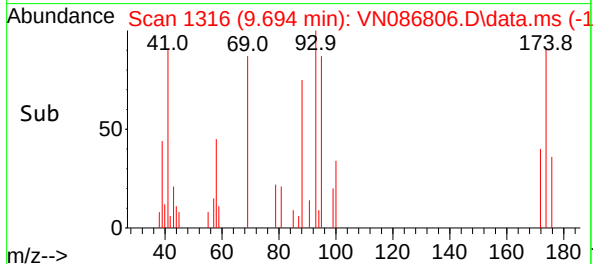
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



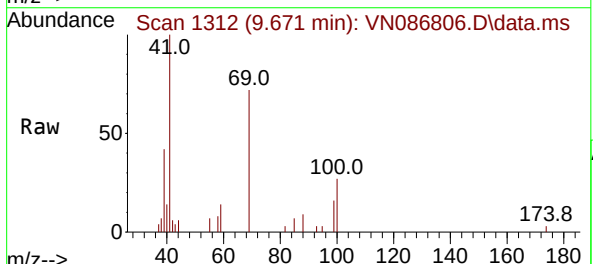
Tgt Ion: 88 Resp: 4094
Ion Ratio Lower Upper
88 100
43 25.4 23.0 34.6
58 65.2 57.6 86.4

Manual Integrations
APPROVED

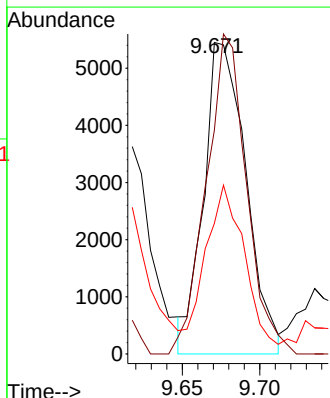
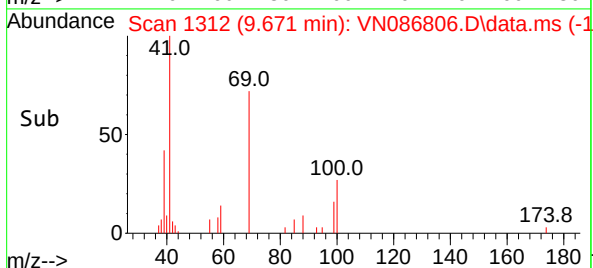
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

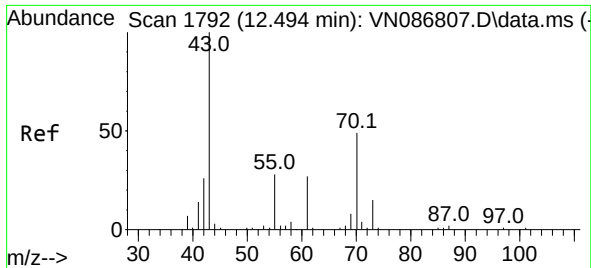


#46
Methyl methacrylate
Concen: 4.677 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



Tgt Ion: 41 Resp: 10357
Ion Ratio Lower Upper
41 100
69 70.9 48.0 144.2
39 41.4 23.8 71.2





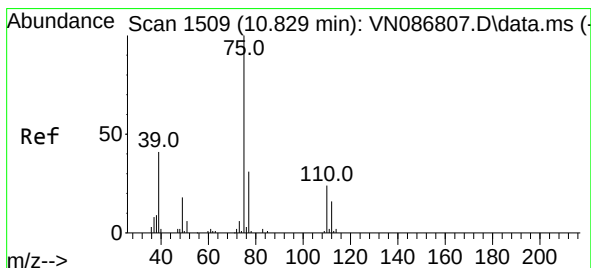
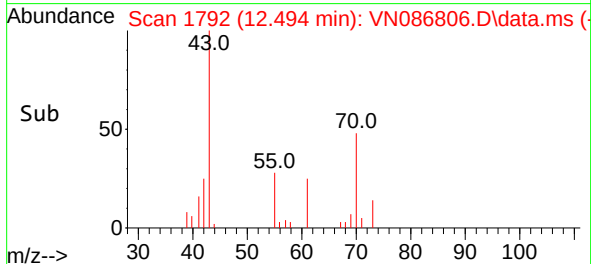
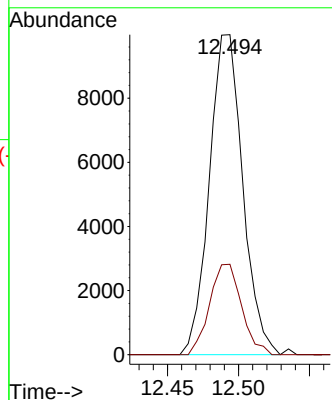
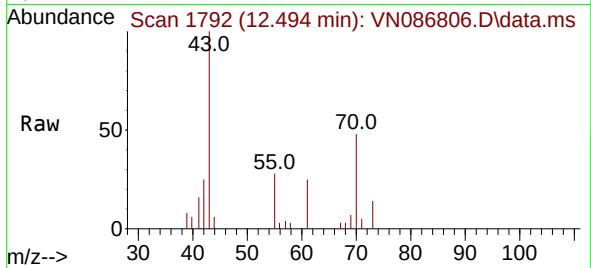
#47
n-amy1 Acetate
Concen: 4.239 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 16344
Ion Ratio Lower Upper
43 100
55 27.0 21.7 32.5

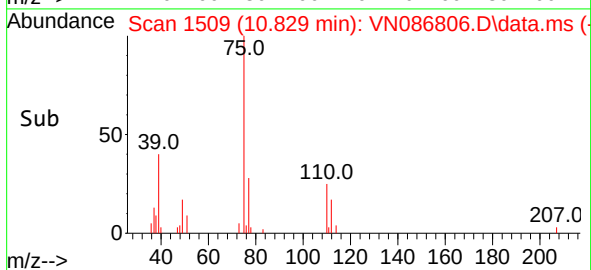
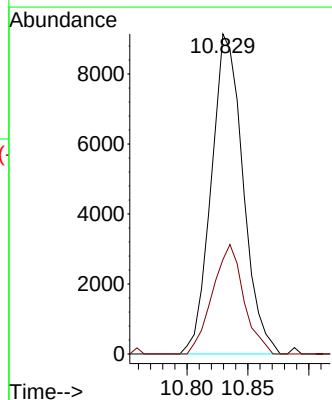
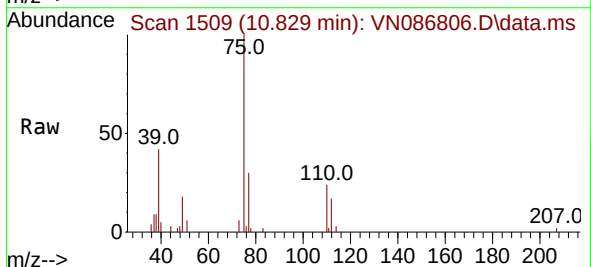
Manual Integrations
APPROVED

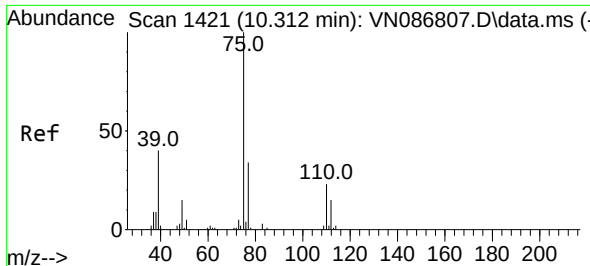
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#48
t-1,3-Dichloropropene
Concen: 4.634 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 75 Resp: 16607
Ion Ratio Lower Upper
75 100
77 29.5 25.1 37.7





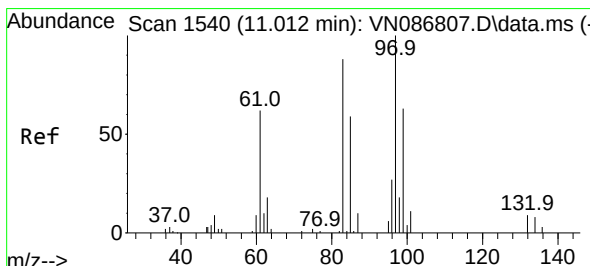
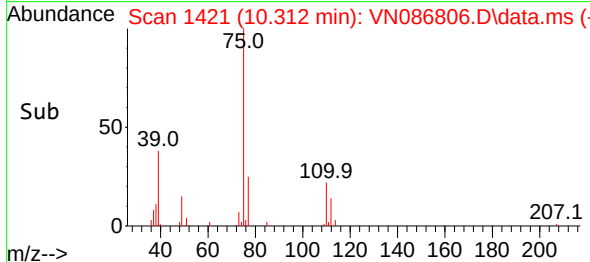
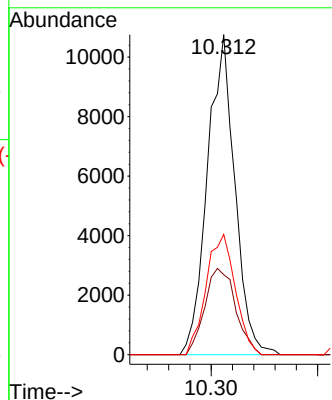
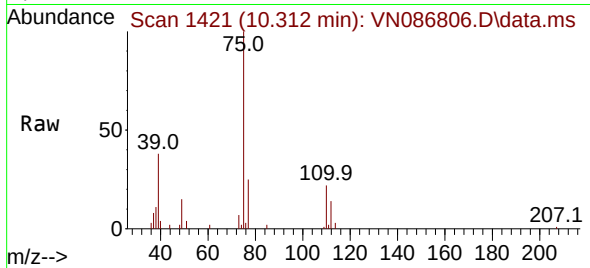
#49
 cis-1,3-Dichloropropene
 Concen: 4.878 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 19230
 Ion Ratio Lower Upper
 75 100
 77 25.0 26.9 40.3
 39 37.6 31.8 47.6

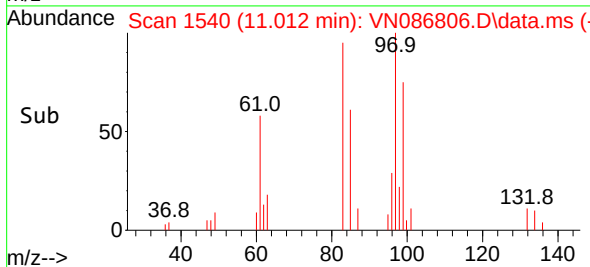
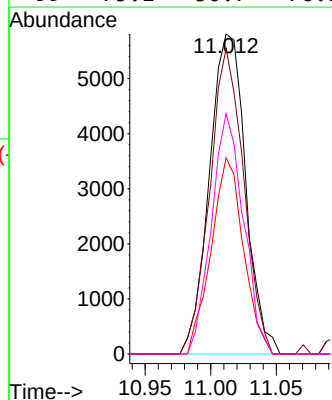
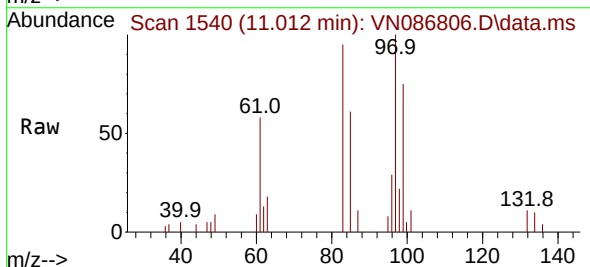
Manual Integrations
 APPROVED

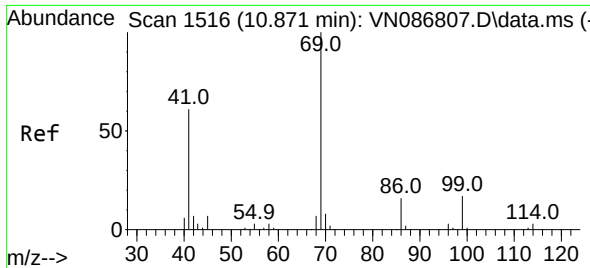
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.956 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Tgt Ion: 97 Resp: 11168
 Ion Ratio Lower Upper
 97 100
 83 95.4 70.6 105.8
 85 61.3 46.8 70.2
 99 75.1 50.7 76.1





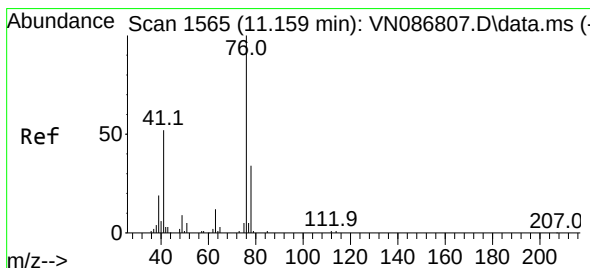
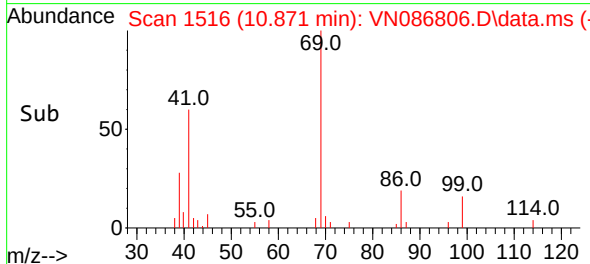
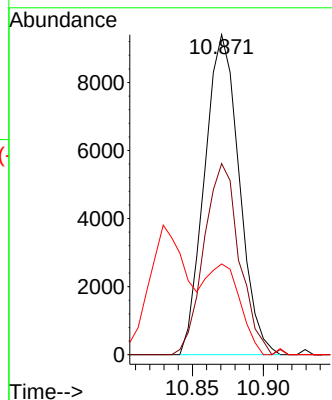
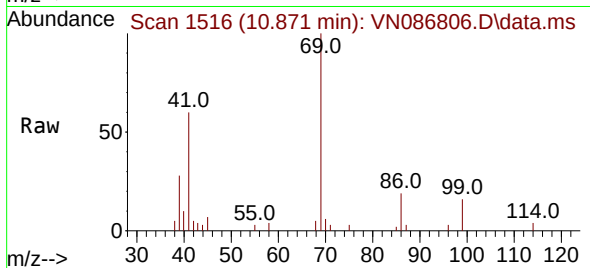
#51
Ethyl methacrylate
Concen: 4.370 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 69 Resp: 1594
Ion Ratio Lower Upper
69 100
41 58.1 30.5 91.5
39 26.5 14.3 42.9

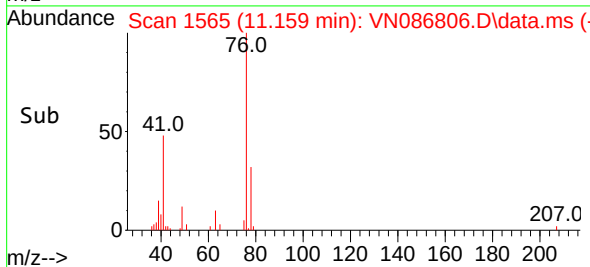
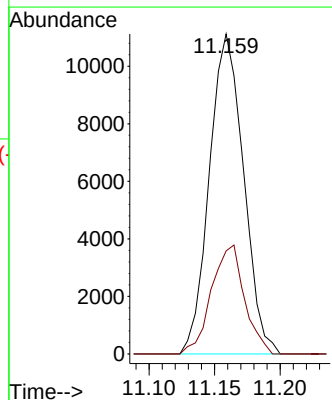
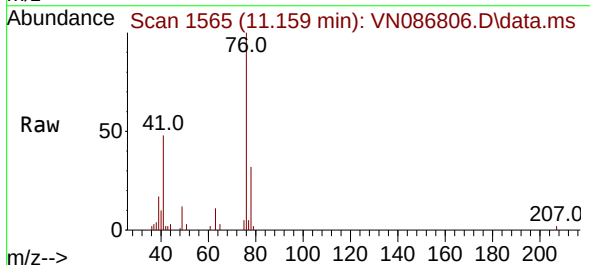
Manual Integrations
APPROVED

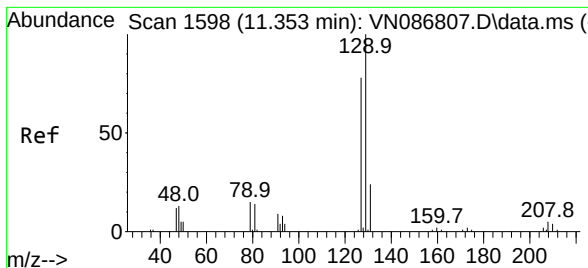
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#52
1,3-Dichloropropane
Concen: 5.039 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

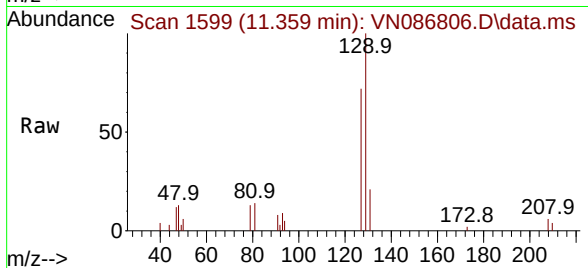
Tgt Ion: 76 Resp: 20150
Ion Ratio Lower Upper
76 100
78 32.9 0.0 64.6





#53
Dibromochloromethane
Concen: 4.877 ug/l
RT: 11.359 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

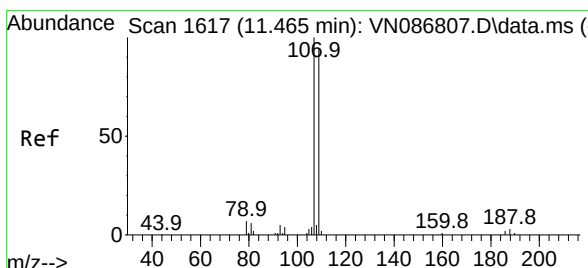
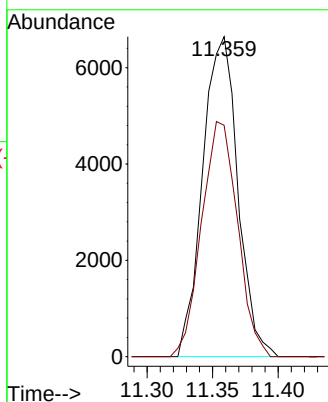
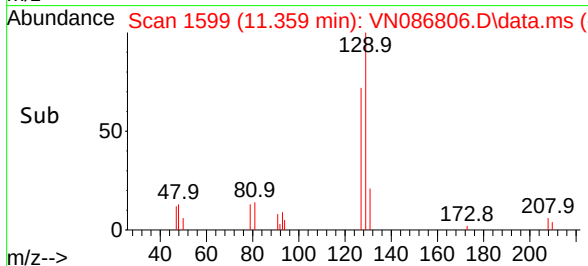
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



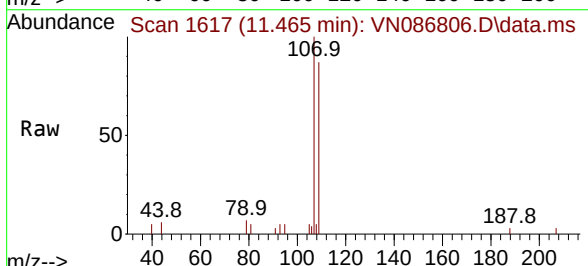
Tgt Ion:129 Resp: 12418
Ion Ratio Lower Upper
129 100
127 75.0 39.1 117.3

Manual Integrations
APPROVED

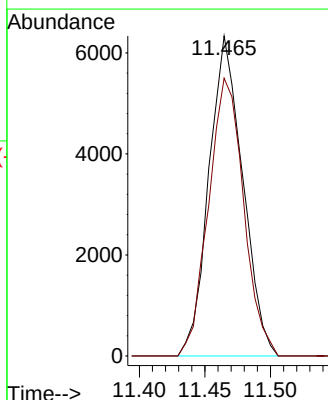
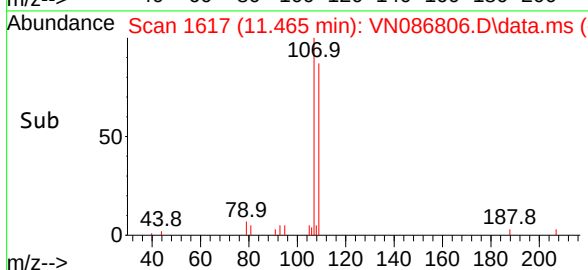
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

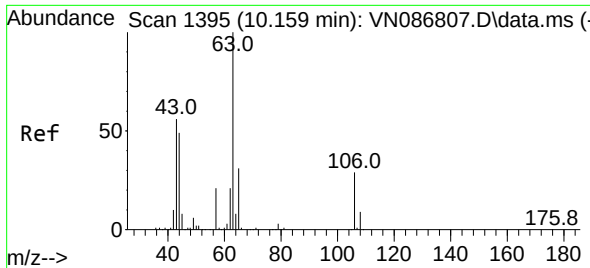


#54
1,2-Dibromoethane
Concen: 4.928 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



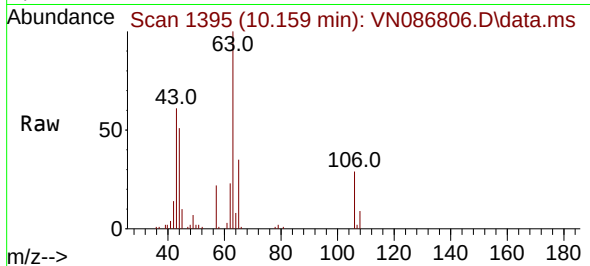
Tgt Ion:107 Resp: 11351
Ion Ratio Lower Upper
107 100
109 90.2 75.0 112.6





#55
2-Chloroethyl vinyl ether
Concen: 22.097 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

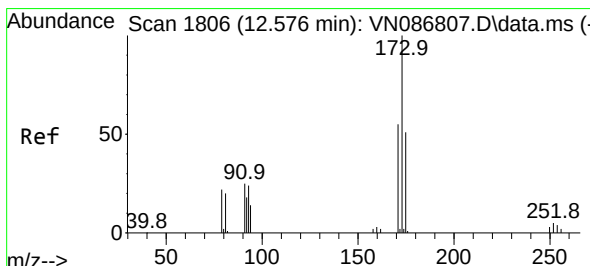
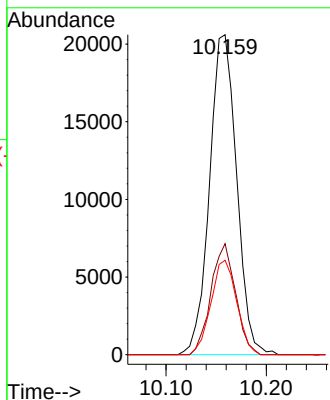
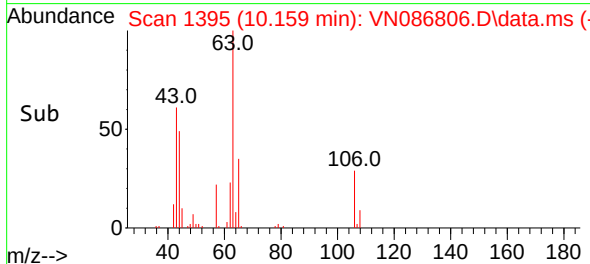
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 63 Resp: 38709
Ion Ratio Lower Upper
63 100
65 31.4 25.7 38.5
106 28.1 22.7 34.1

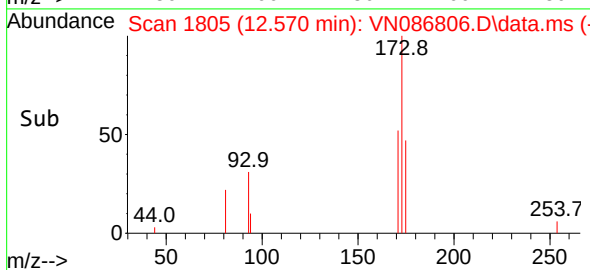
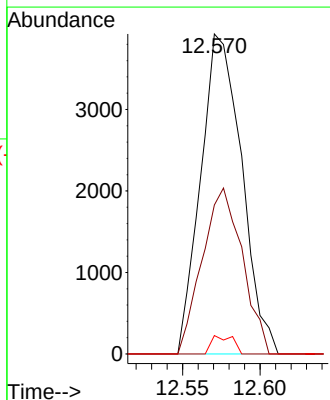
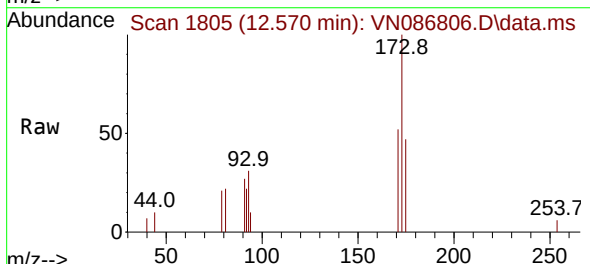
Manual Integrations
APPROVED

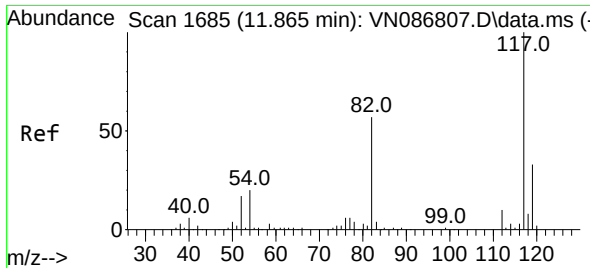
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#56
Bromoform
Concen: 4.493 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion:173 Resp: 7209
Ion Ratio Lower Upper
173 100
175 50.8 39.7 59.5
254 3.0 3.5 5.3





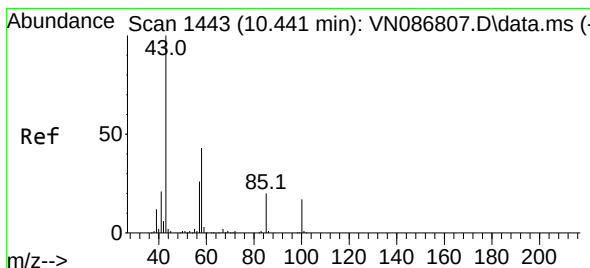
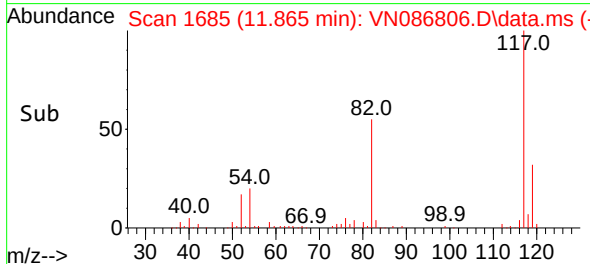
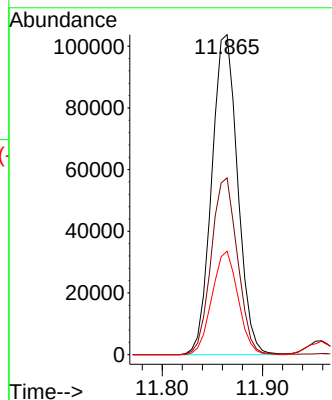
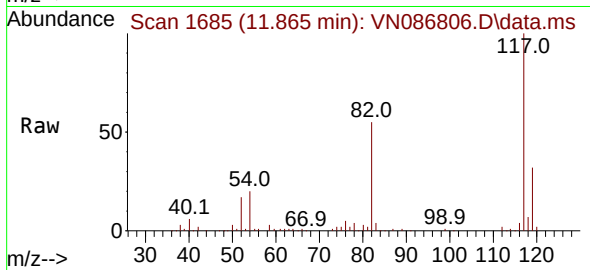
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 18619
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.6 25.6 38.4

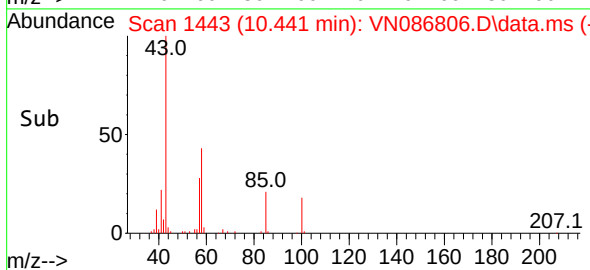
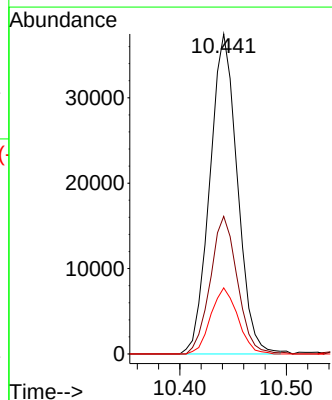
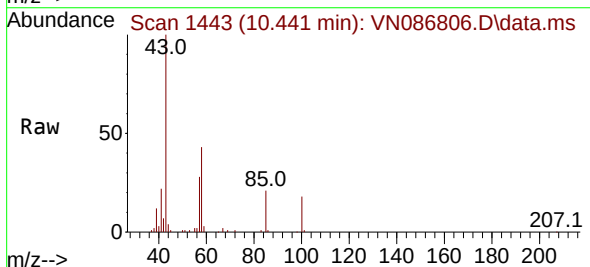
Manual Integrations
APPROVED

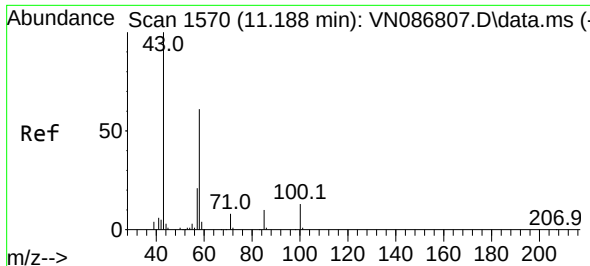
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#58
4-Methyl-2-Pentanone
Concen: 24.639 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

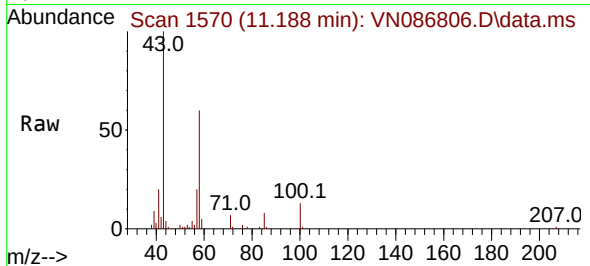
Tgt Ion: 43 Resp: 67317
Ion Ratio Lower Upper
43 100
58 42.2 34.5 51.7
85 20.3 15.8 23.8





#59
2-Hexanone
Concen: 23.685 ug/l
RT: 11.188 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

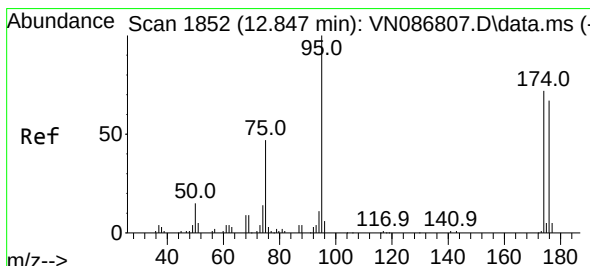
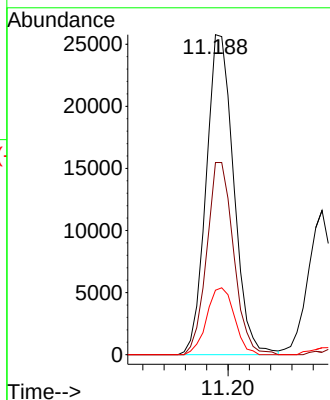
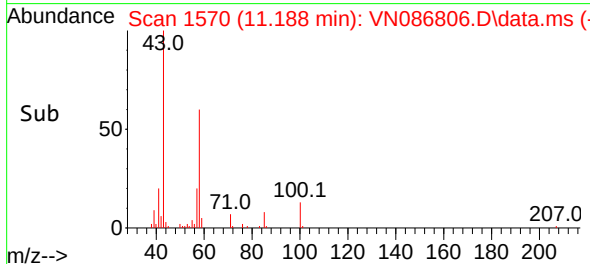
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



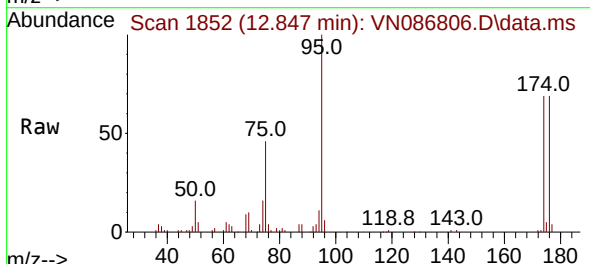
Tgt Ion: 43 Resp: 4635
Ion Ratio Lower Upper
43 100
58 58.2 49.1 73.7
57 20.9 16.6 25.0

Manual Integrations
APPROVED

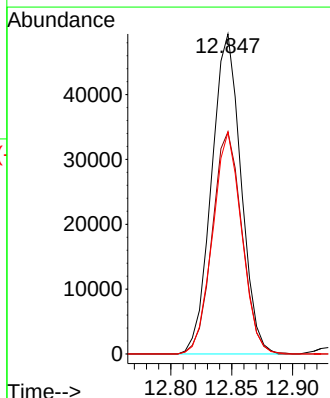
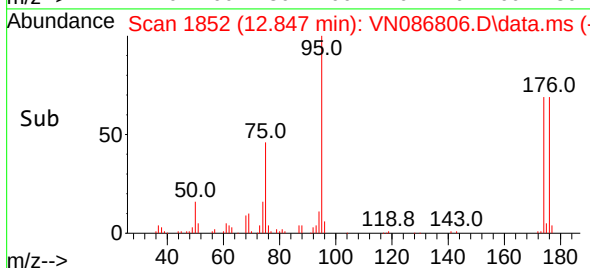
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

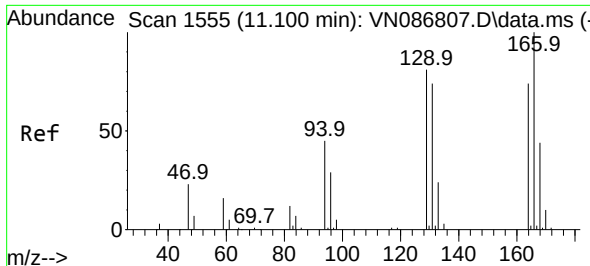


#60
4-Bromofluorobenzene
Concen: 28.367 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



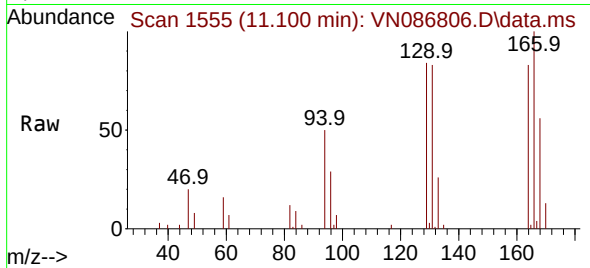
Tgt Ion: 95 Resp: 82926
Ion Ratio Lower Upper
95 100
174 70.1 56.2 84.4
176 68.4 53.4 80.0





#61
Tetrachloroethene
Concen: 5.206 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

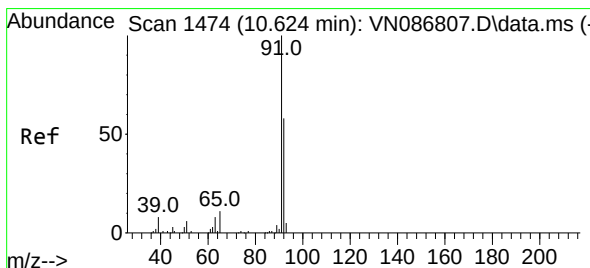
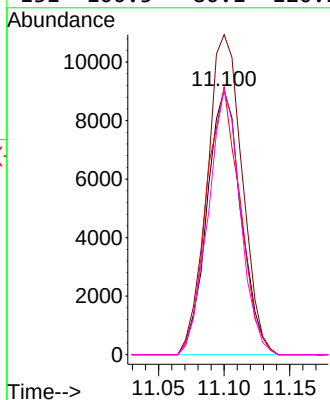
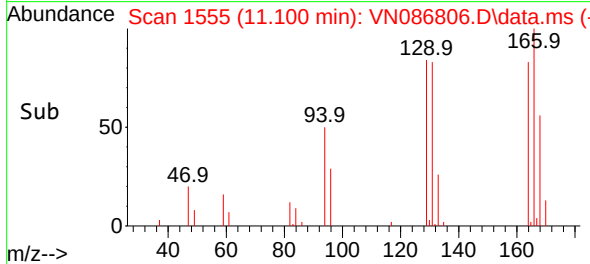
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



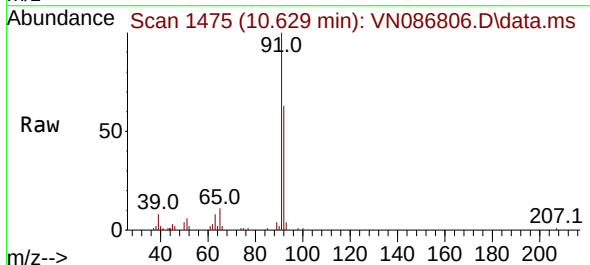
Tgt Ion:164 Resp: 1629
Ion Ratio Lower Upper
164 100
166 121.1 107.5 161.3
129 101.2 87.4 131.2
131 100.5 80.1 120.1

Manual Integrations
APPROVED

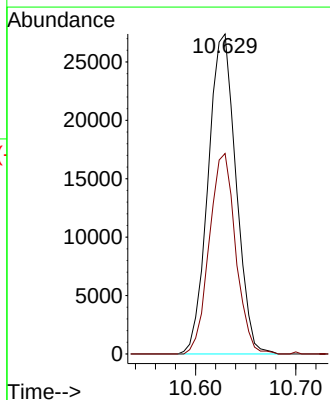
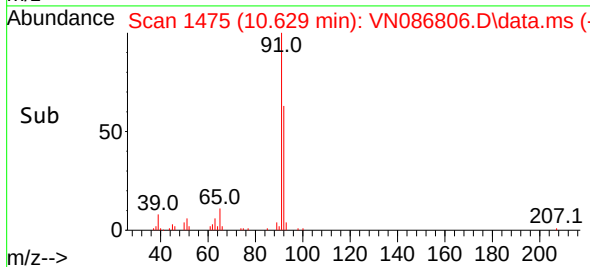
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

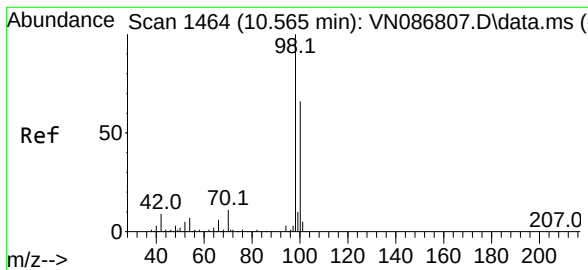


#62
Toluene
Concen: 5.043 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



Tgt Ion: 91 Resp: 52880
Ion Ratio Lower Upper
91 100
92 59.3 46.6 70.0





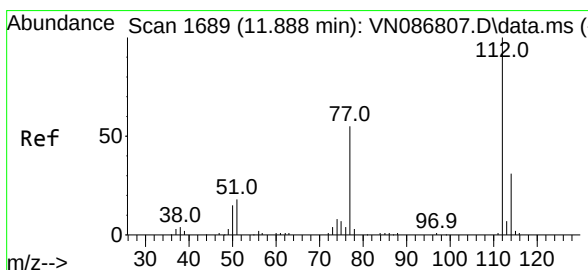
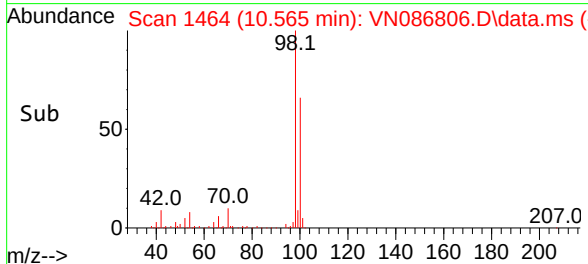
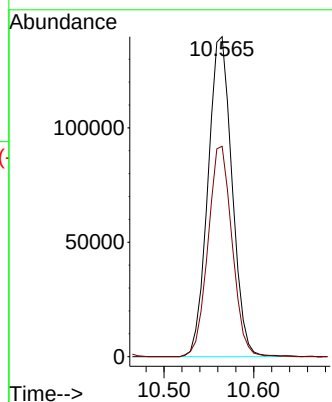
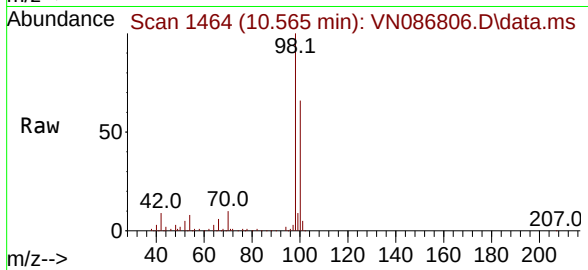
#63
Toluene-d8
Concen: 30.518 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 98 Resp: 26080
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1

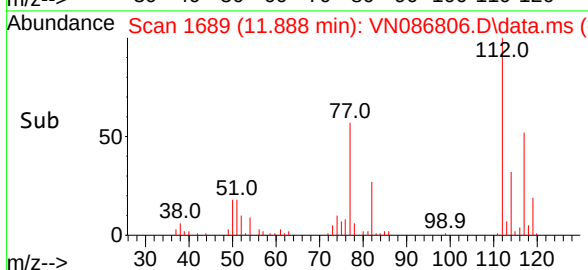
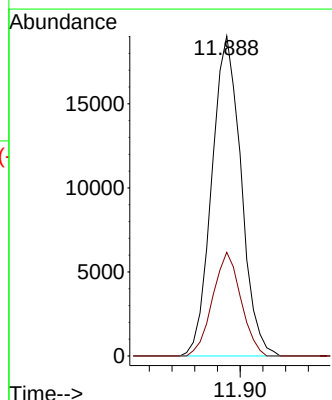
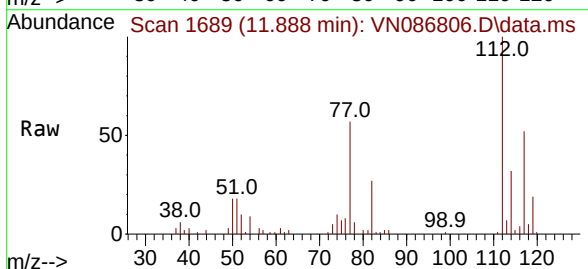
Manual Integrations
APPROVED

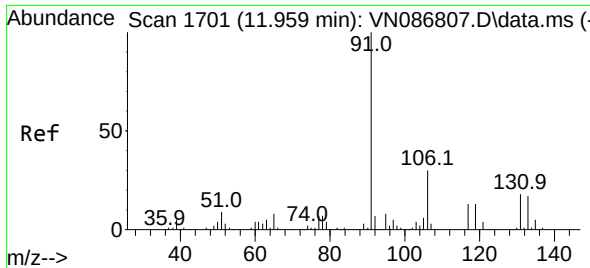
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#64
Chlorobenzene
Concen: 5.093 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion:112 Resp: 34057
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7





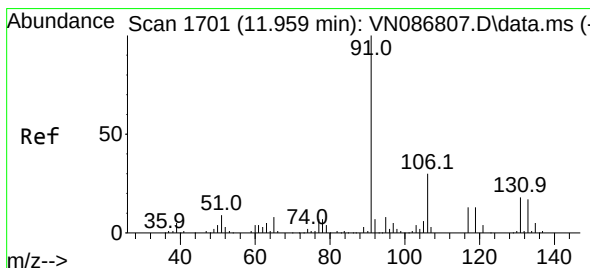
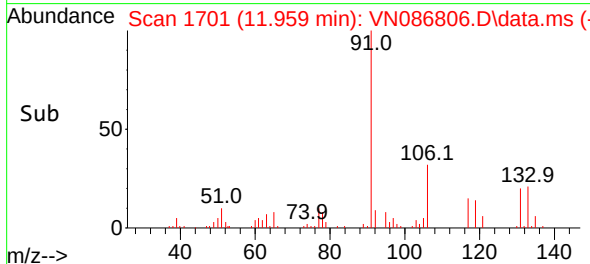
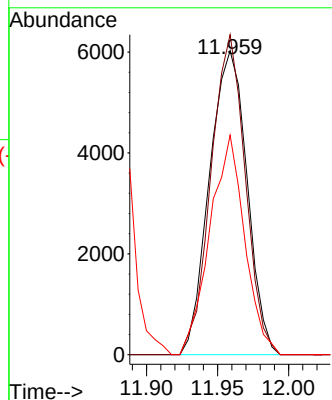
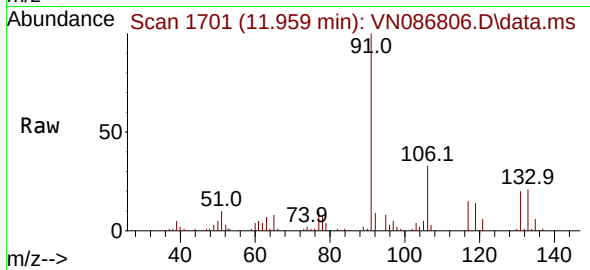
#65
1,1,1,2-Tetrachloroethane
Concen: 5.045 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:131 Resp: 11084
Ion Ratio Lower Upper
131 100
133 96.2 0.0 191.0
119 66.9 0.0 140.8

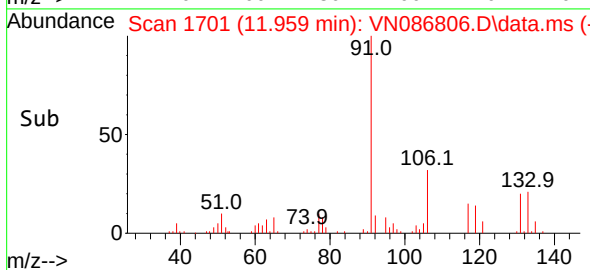
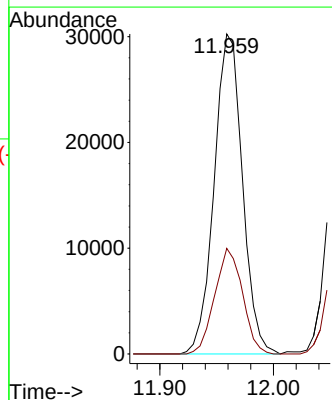
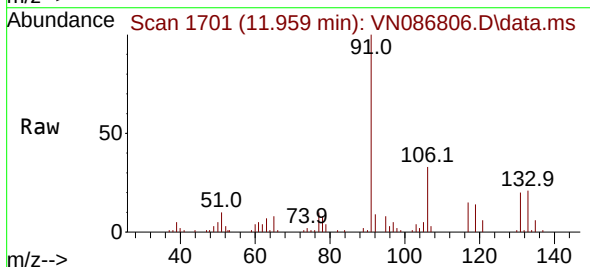
Manual Integrations
APPROVED

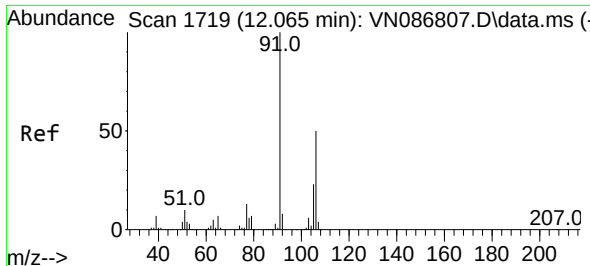
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#66
Ethyl Benzene
Concen: 4.612 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 91 Resp: 52316
Ion Ratio Lower Upper
91 100
106 33.0 23.6 35.4





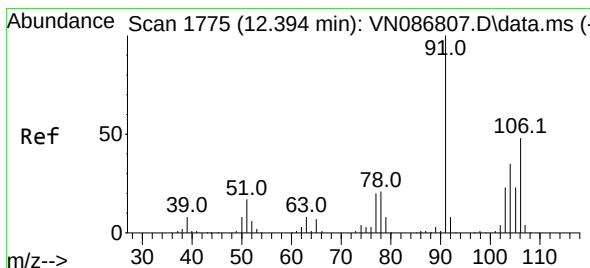
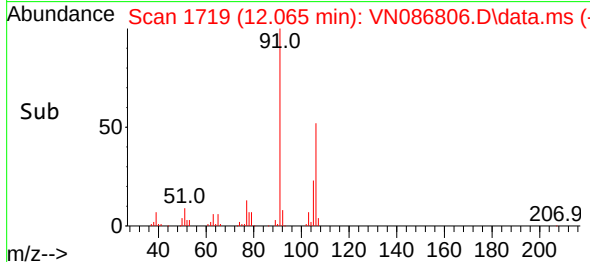
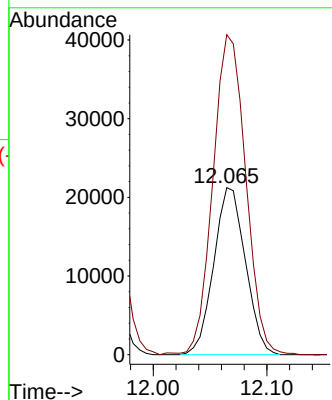
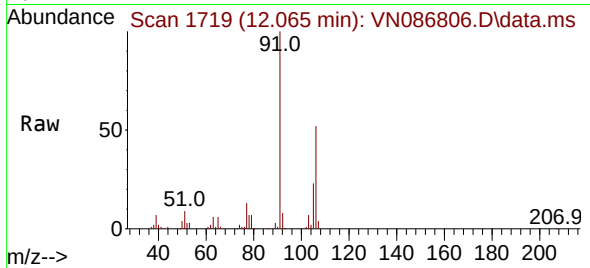
#67
m/p-Xylenes
Concen: 9.246 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 4115
Ion Ratio Lower Upper
106 100
91 197.8 160.7 241.1

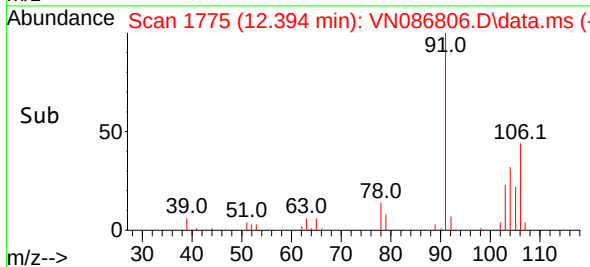
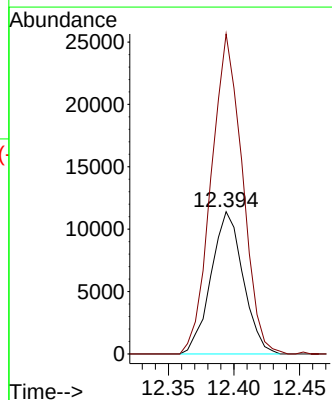
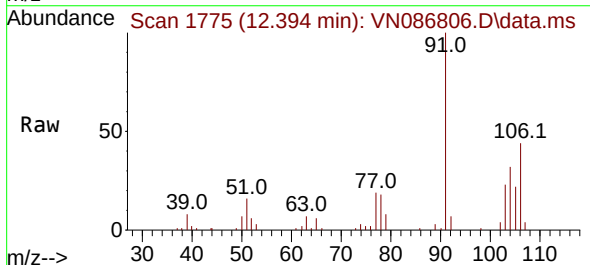
Manual Integrations
APPROVED

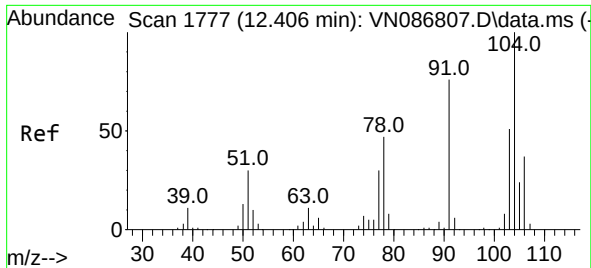
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#68
o-Xylene
Concen: 4.502 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion:106 Resp: 19419
Ion Ratio Lower Upper
106 100
91 218.1 106.3 318.9





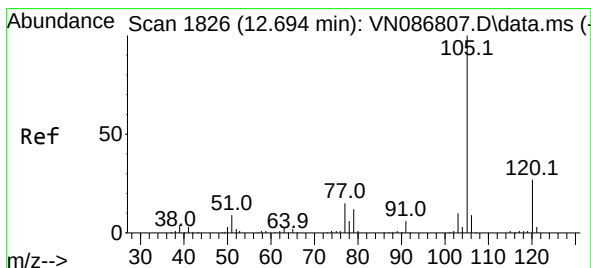
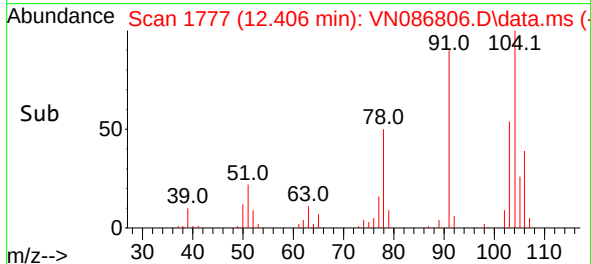
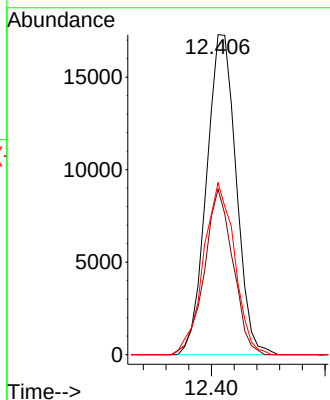
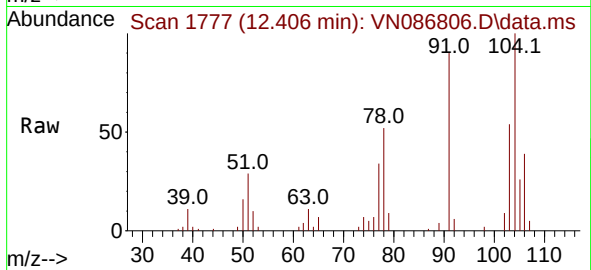
#69
Styrene
Concen: 4.370 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:104 Resp: 31400
Ion Ratio Lower Upper
104 100
78 49.7 38.6 57.8
103 56.1 43.2 64.8

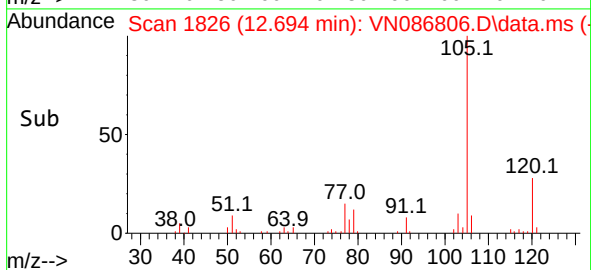
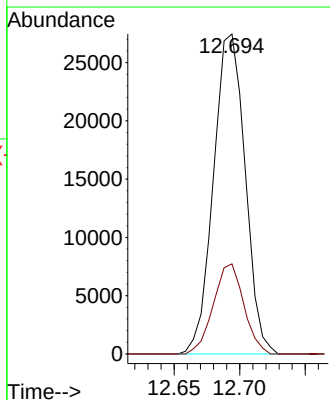
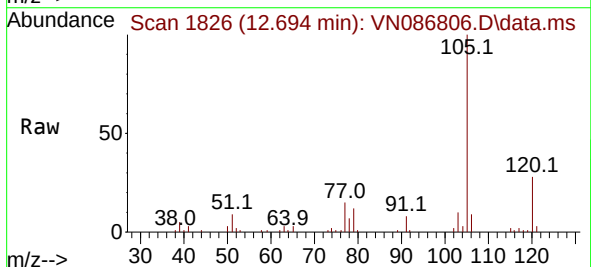
Manual Integrations
APPROVED

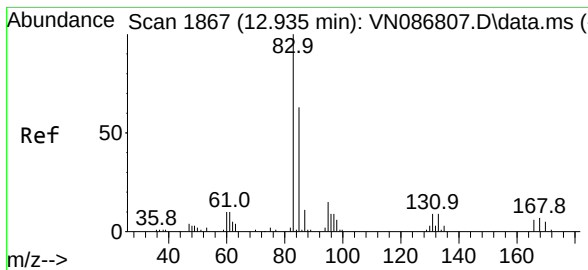
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#70
Isopropylbenzene
Concen: 4.494 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

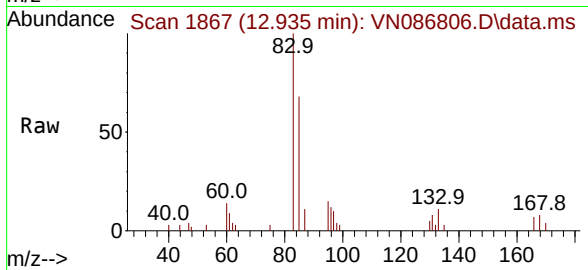
Tgt Ion:105 Resp: 46104
Ion Ratio Lower Upper
105 100
120 27.1 19.0 35.2





#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.583 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

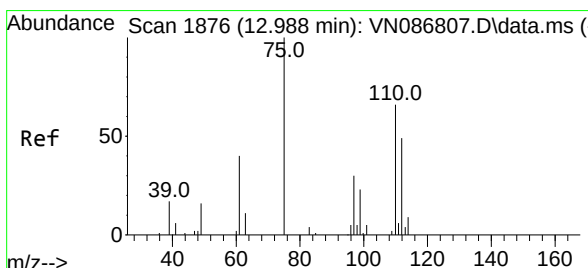
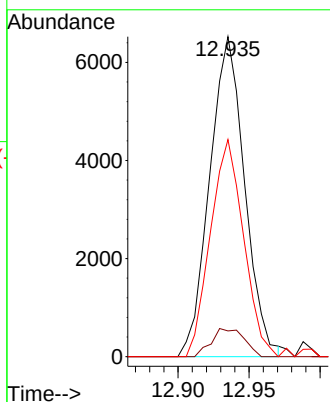
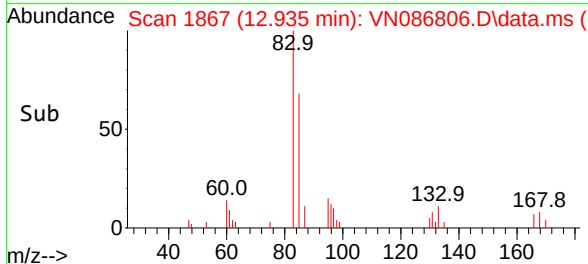
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 83 Resp: 11178
 Ion Ratio Lower Upper
 83 100
 131 8.2 5.0 15.0
 85 64.1 32.6 97.7

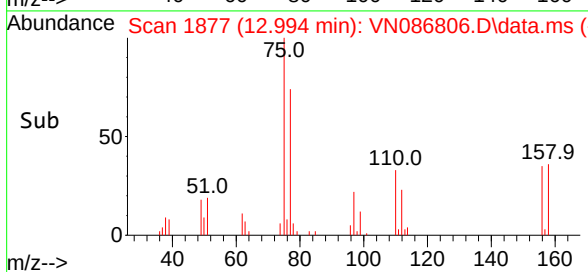
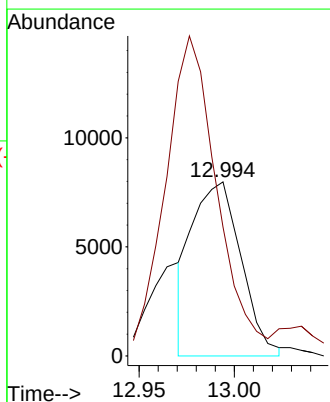
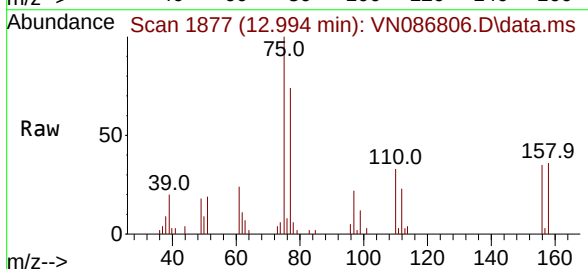
Manual Integrations
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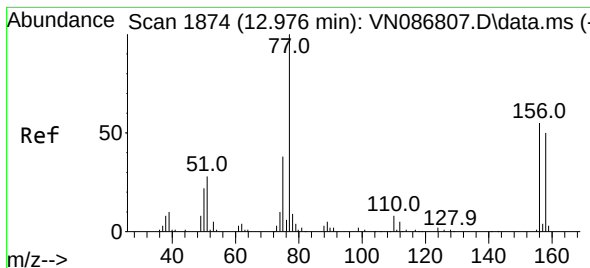
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#72
 1,2,3-Trichloropropane
 Concen: 4.742 ug/l m
 RT: 12.994 min Scan# 1877
 Delta R.T. 0.006 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

Tgt Ion: 75 Resp: 14250
 Ion Ratio Lower Upper
 75 100
 77 195.0 0.0 390.6





#73

Bromobenzene

Concen: 4.717 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

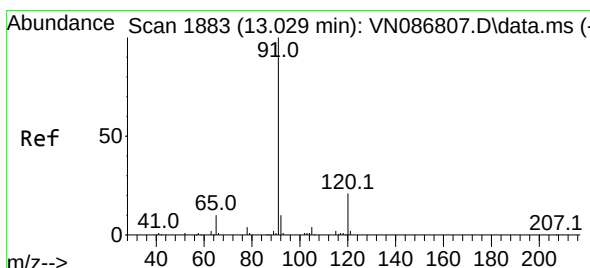
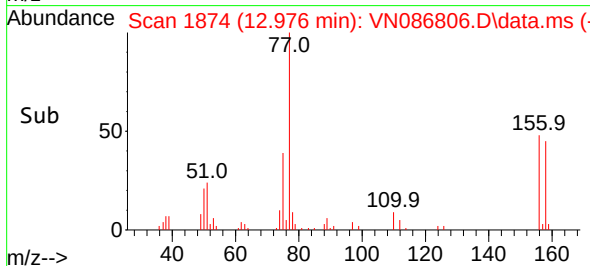
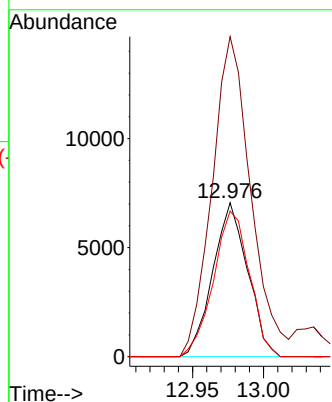
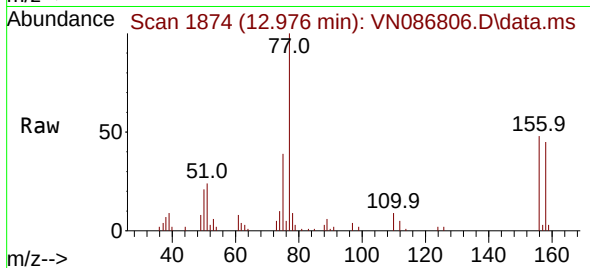
Tgt Ion:	156	Resp:	12029
Ion Ratio	Lower	Upper	
156	100		
77	231.0	0.0	442.0
158	97.8	0.0	191.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#74

n-propylbenzene

Concen: 4.445 ug/l

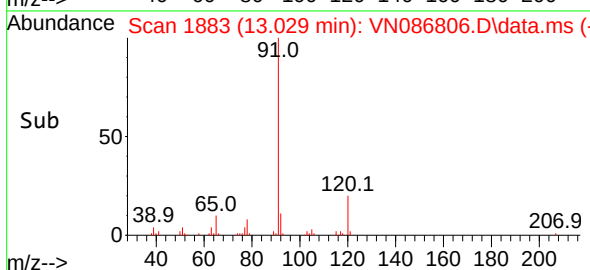
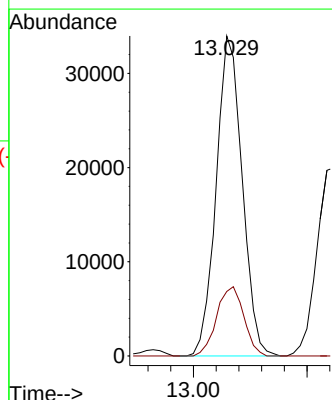
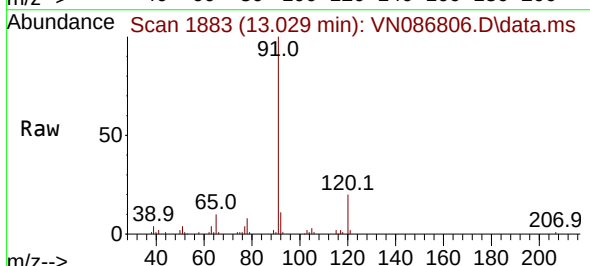
RT: 13.029 min Scan# 1883

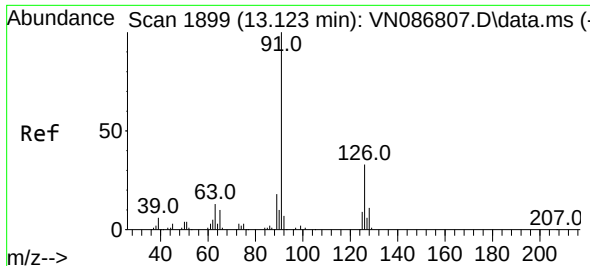
Delta R.T. 0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Tgt Ion:	91	Resp:	54016
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	45.6





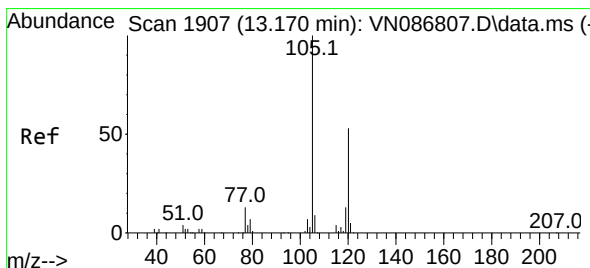
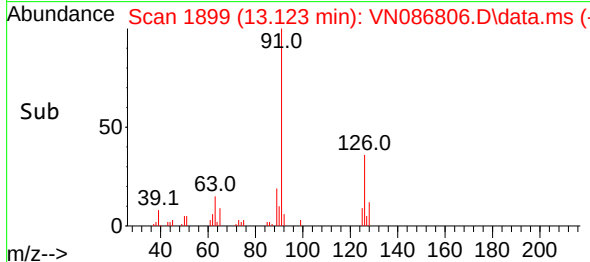
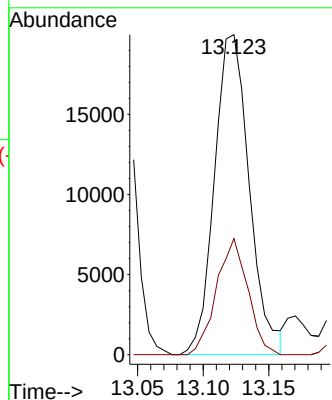
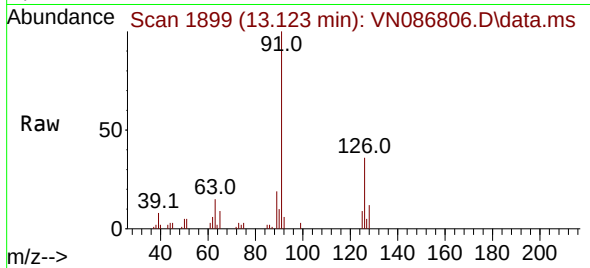
#75
2-Chlorotoluene
Concen: 4.738 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 3695
Ion Ratio Lower Upper
91 100
126 32.6 0.0 64.4

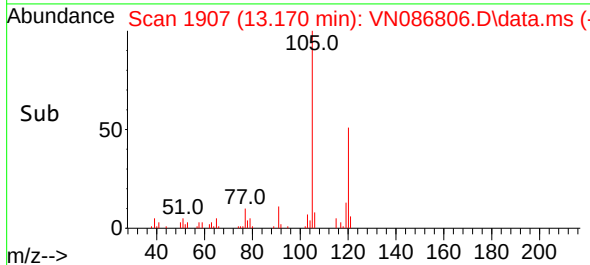
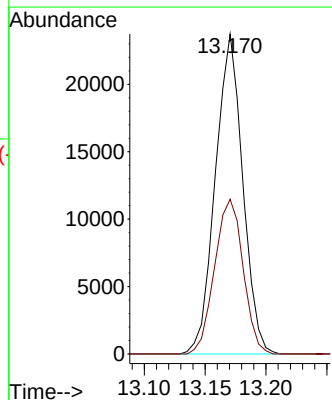
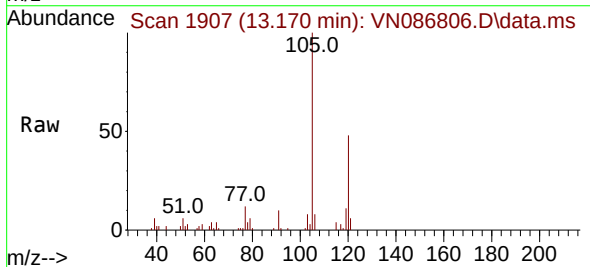
Manual Integrations
APPROVED

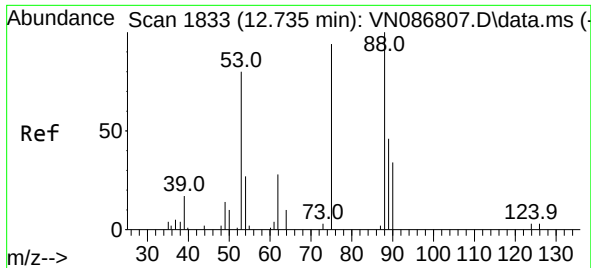
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.345 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion:105 Resp: 37086
Ion Ratio Lower Upper
105 100
120 50.3 0.0 101.4





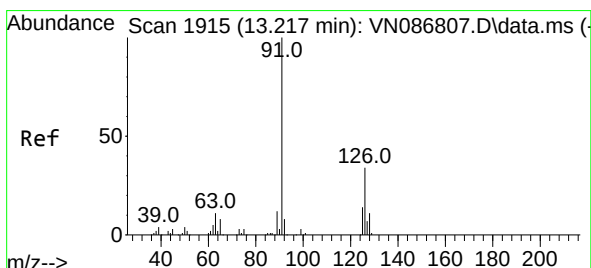
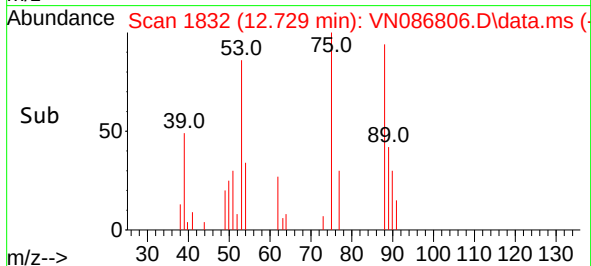
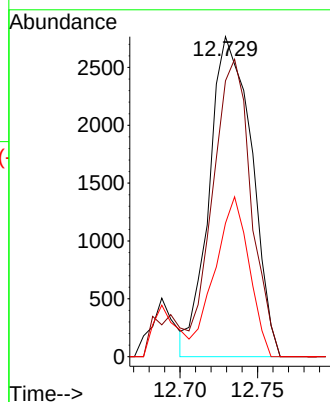
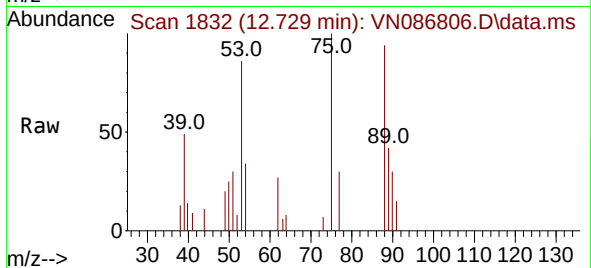
#77
t-1,4-Dichloro-2-butene
Concen: 4.485 ug/l
RT: 12.729 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 524
Ion Ratio Lower Upper
75 100
53 86.2 43.0 128.8
89 41.7 25.4 76.2

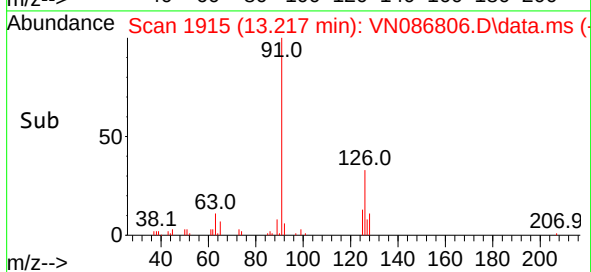
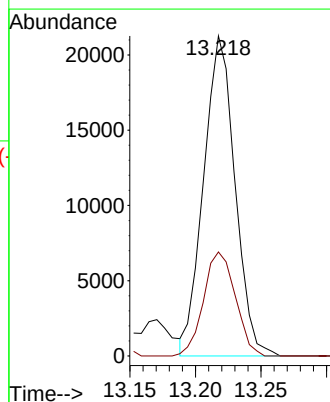
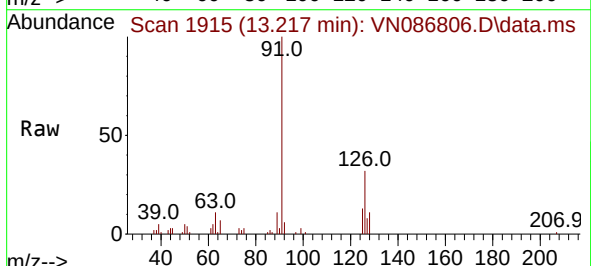
Manual Integrations
APPROVED

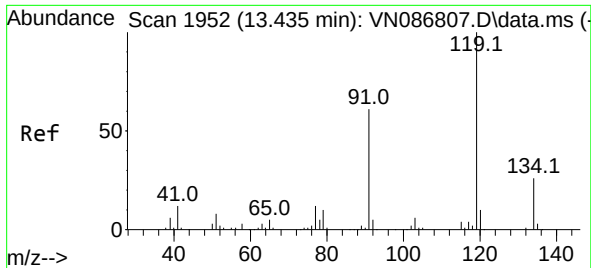
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#78
4-Chlorotoluene
Concen: 4.583 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Tgt Ion: 91 Resp: 35412
Ion Ratio Lower Upper
91 100
126 32.9 0.0 66.6





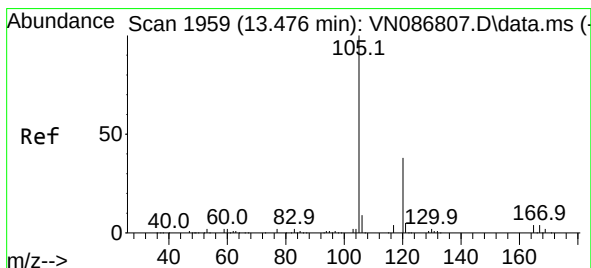
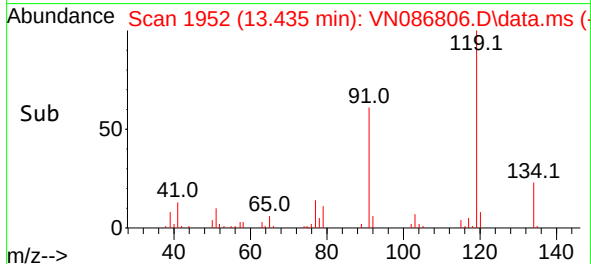
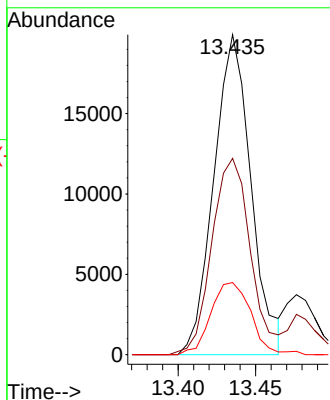
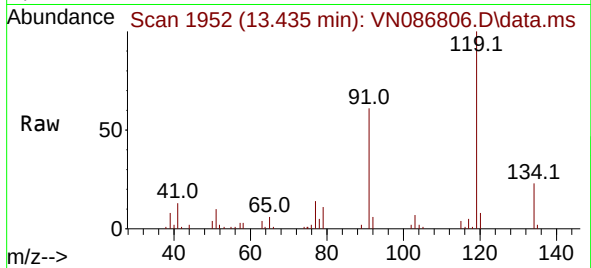
#79
tert-butylbenzene
Concen: 4.501 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 33215
Ion Ratio Lower Upper
119 100
91 63.7 0.0 130.4
134 23.9 0.0 50.6

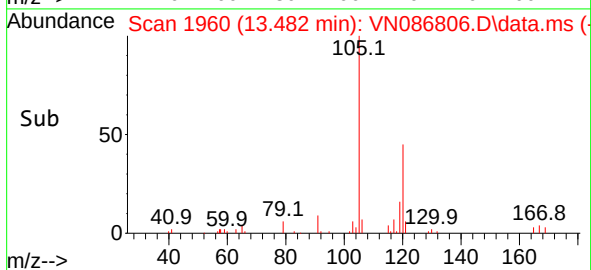
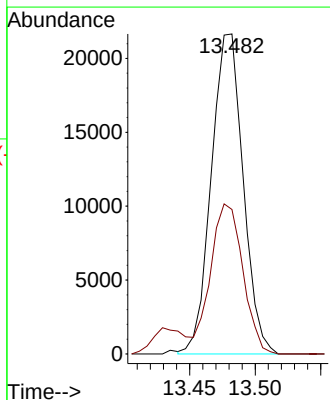
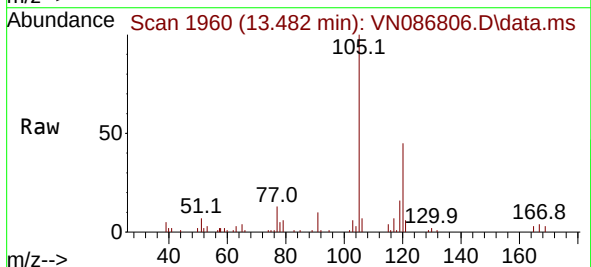
Manual Integrations
APPROVED

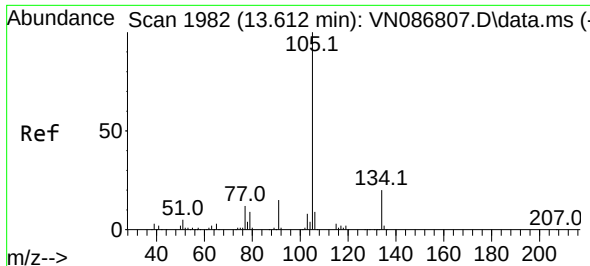
Reviewed By :John Carbone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.266 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

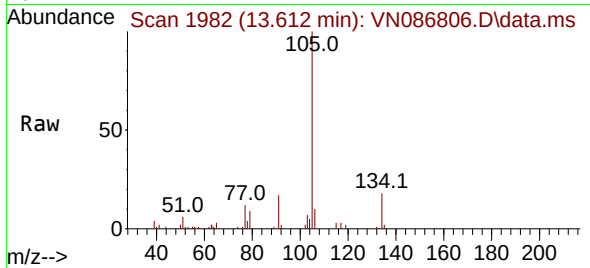
Tgt Ion:105 Resp: 36547
Ion Ratio Lower Upper
105 100
120 47.2 0.0 92.2





#81
 sec-Butylbenzene
 Concen: 4.340 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

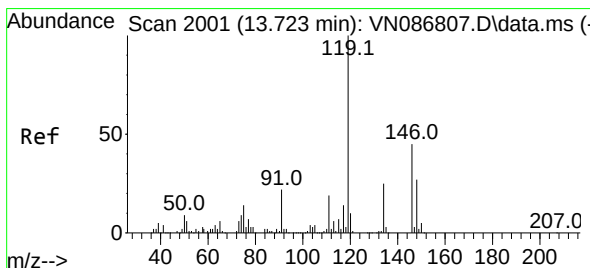
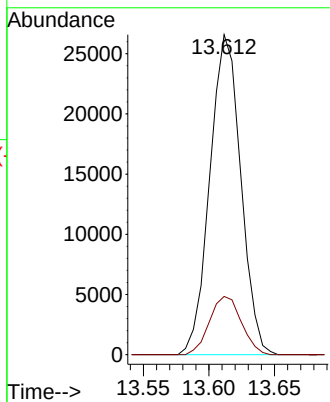
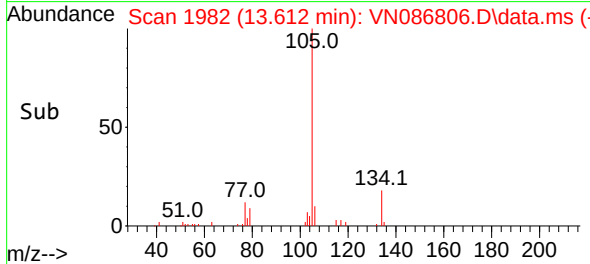
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion:105 Resp: 4362
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 40.0

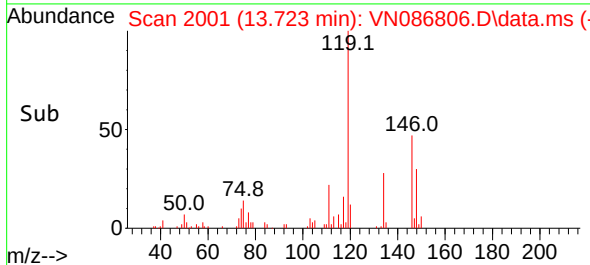
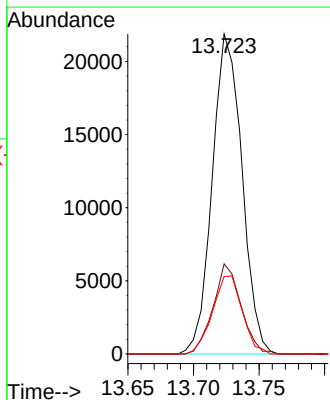
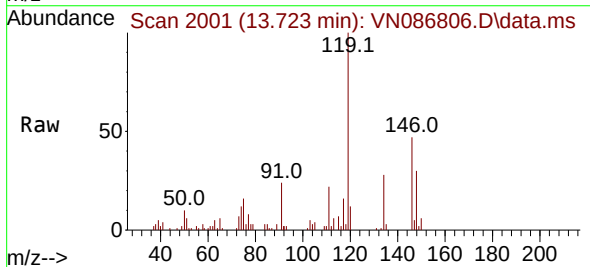
Manual Integrations
 APPROVED

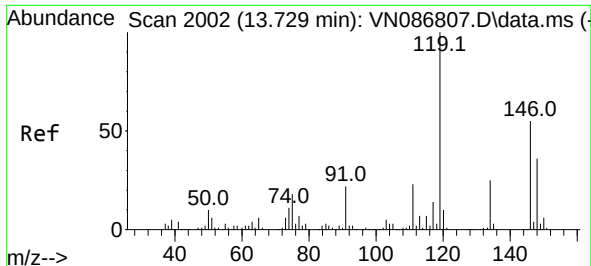
Reviewed By :John Carlone 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#82
 p-Isopropyltoluene
 Concen: 4.085 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086806.D
 Acq: 29 May 2025 10:56

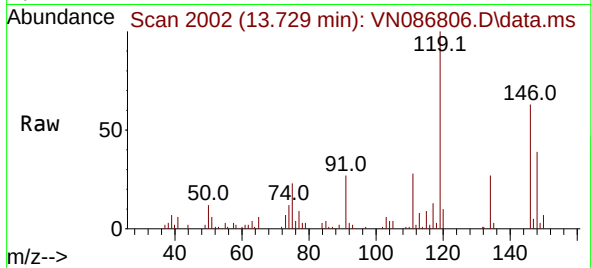
Tgt Ion:119 Resp: 34479
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 51.8
 91 24.4 0.0 45.2





#83
1,3-Dichlorobenzene
Concen: 4.576 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

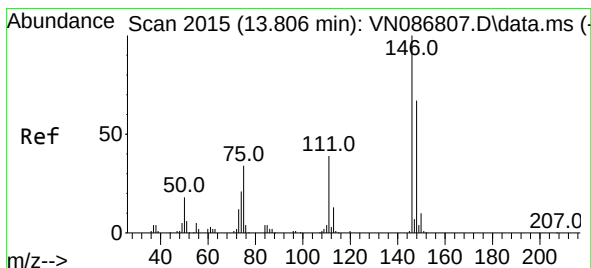
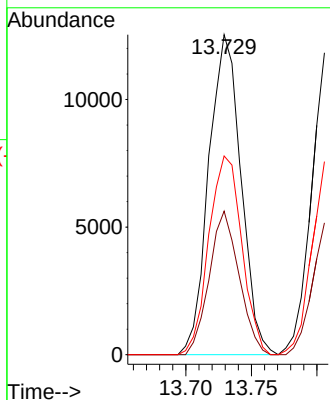
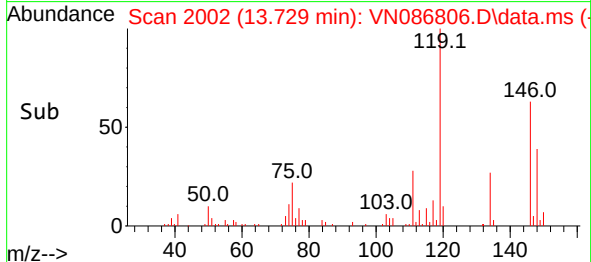
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



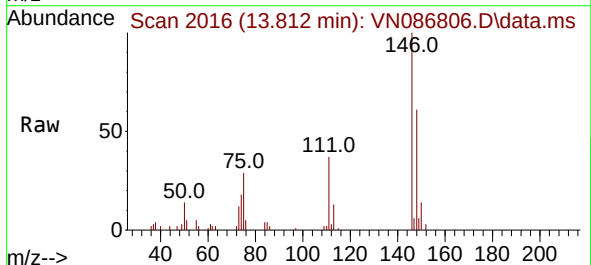
Tgt Ion:146 Resp: 21400
Ion Ratio Lower Upper
146 100
111 41.6 21.1 63.1
148 63.5 32.1 96.5

Manual Integrations
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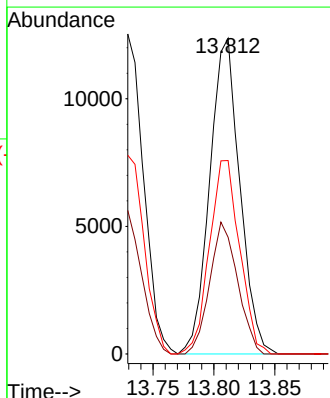
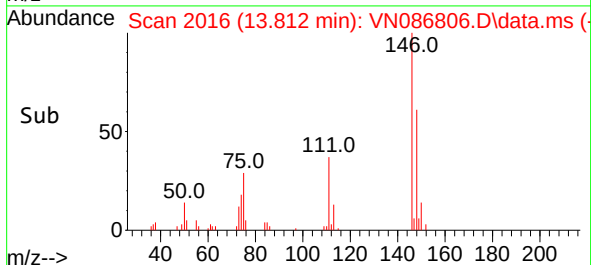
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

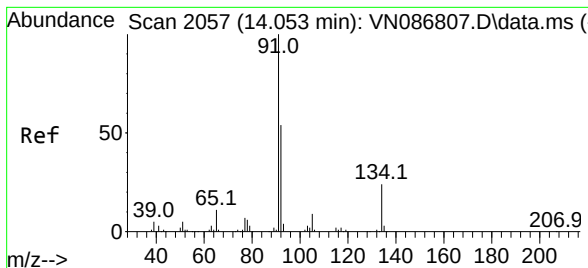


#84
1,4-Dichlorobenzene
Concen: 4.575 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



Tgt Ion:146 Resp: 21299
Ion Ratio Lower Upper
146 100
111 38.6 19.8 59.4
148 61.4 31.9 95.5





#85

n-Butylbenzene

Concen: 4.093 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

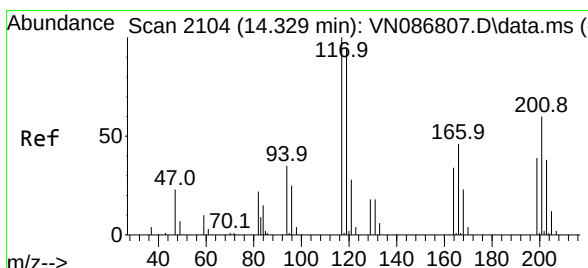
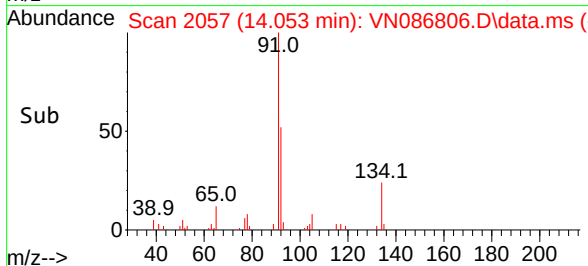
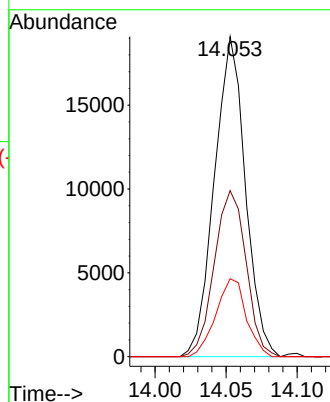
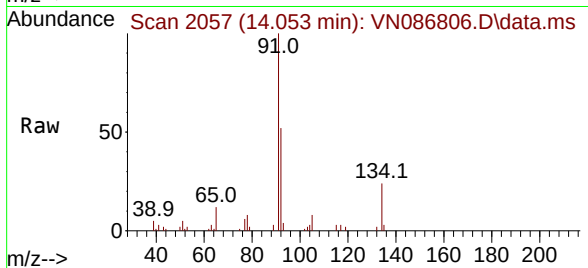
Tgt Ion:	91	Resp:	2892
Ion Ratio	Lower	Upper	
91	100		
92	53.2	0.0	107.6
134	23.9	0.0	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#86

Hexachloroethane

Concen: 4.497 ug/l

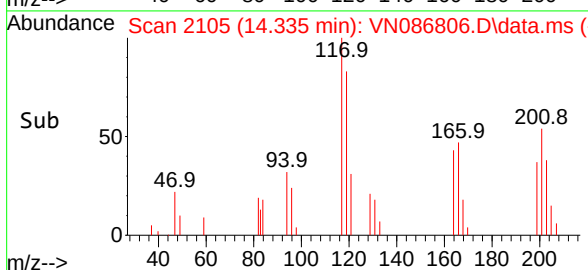
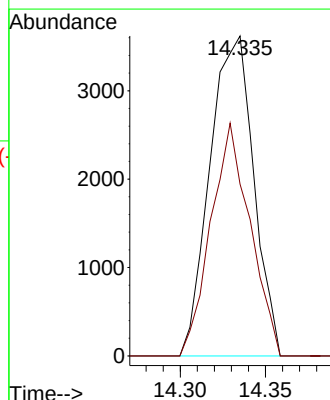
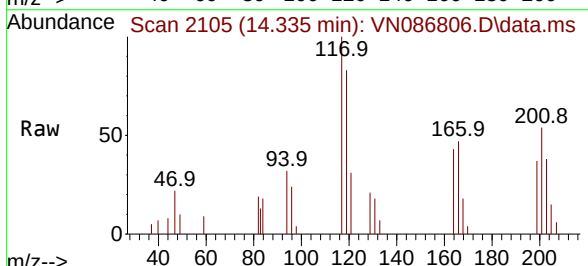
RT: 14.335 min Scan# 2105

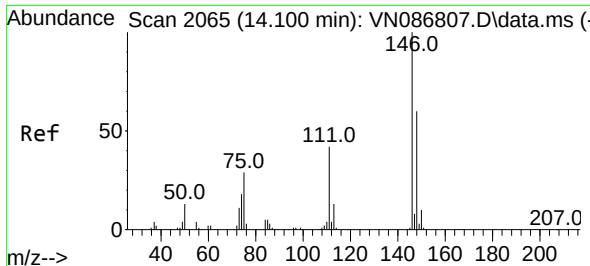
Delta R.T. 0.006 min

Lab File: VN086806.D

Acq: 29 May 2025 10:56

Tgt Ion:	117	Resp:	6470
Ion Ratio	Lower	Upper	
117	100		
201	65.3	31.4	94.3





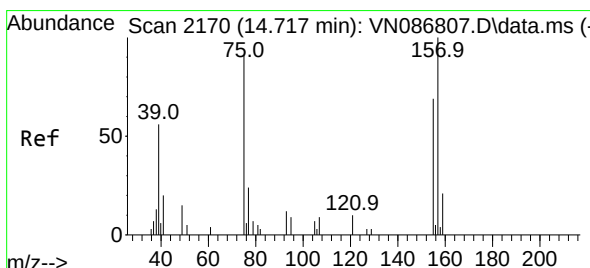
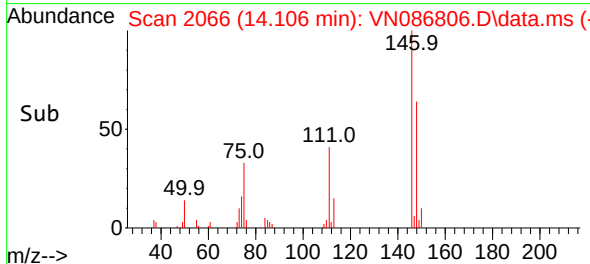
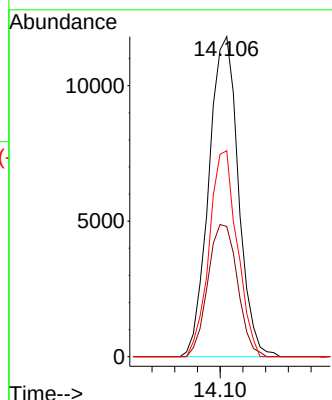
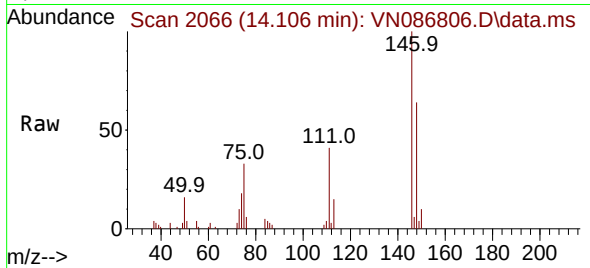
#87
1,2-Dichlorobenzene
Concen: 4.733 ug/l
RT: 14.106 min Scan# 2065
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 2136
Ion Ratio Lower Upper
146 100
111 41.4 21.6 64.8
148 60.7 31.6 94.7

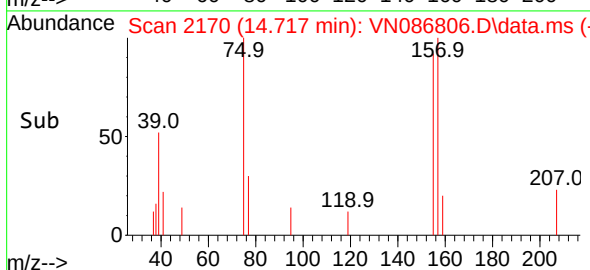
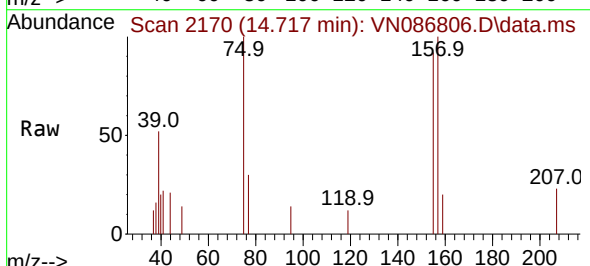
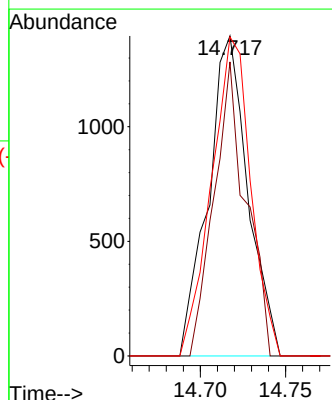
Manual Integrations
APPROVED

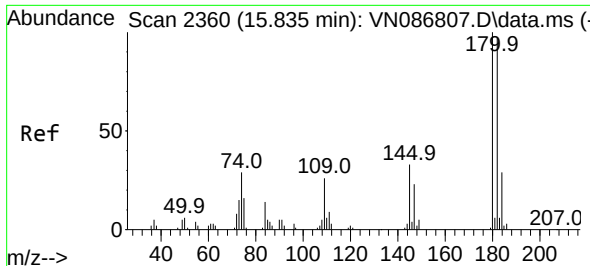
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 4.409 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

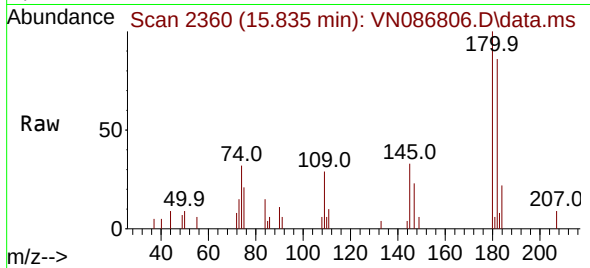
Tgt Ion: 75 Resp: 2265
Ion Ratio Lower Upper
75 100
155 74.3 62.9 94.3
157 98.4 84.0 126.0





#89
1,2,4-Trichlorobenzene
Concen: 4.329 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

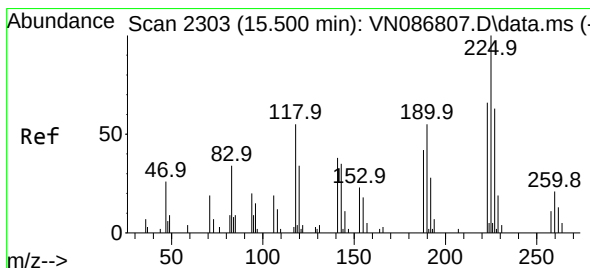
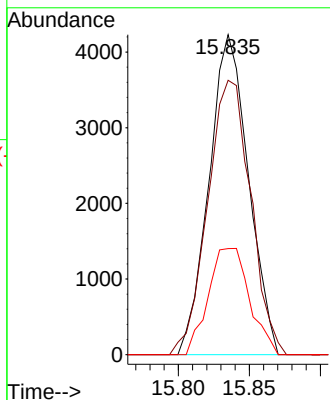
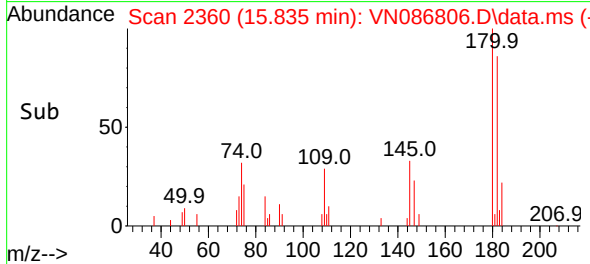
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:180 Resp: 8170
Ion Ratio Lower Upper
180 100
182 93.3 78.2 117.2
145 34.7 28.0 42.0

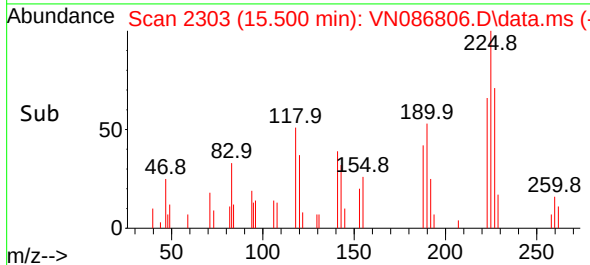
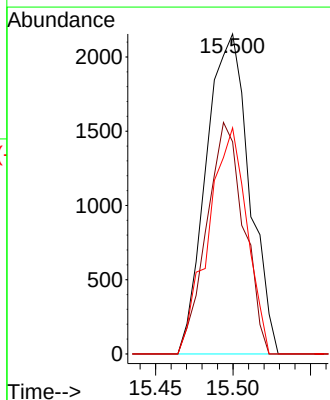
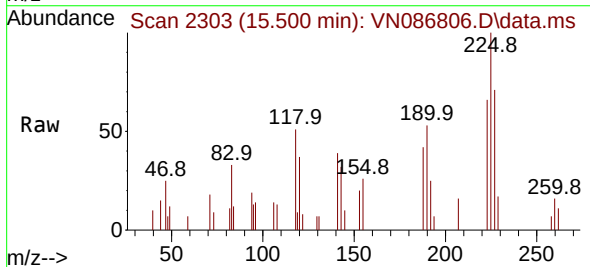
Manual Integrations
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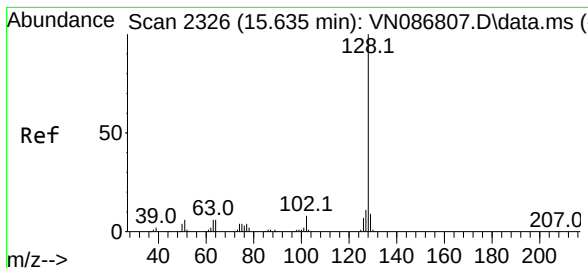
Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#90
Hexachlorobutadiene
Concen: 5.153 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

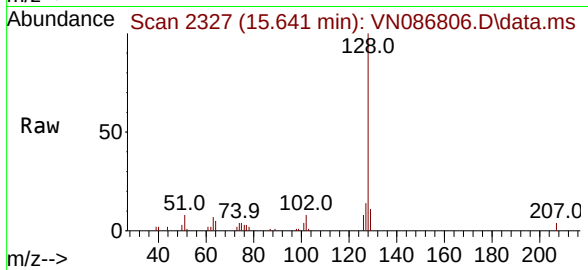
Tgt Ion:225 Resp: 4171
Ion Ratio Lower Upper
225 100
223 62.4 0.0 135.8
227 63.1 0.0 125.0





#91
Naphthalene
Concen: 3.947 ug/l
RT: 15.641 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56

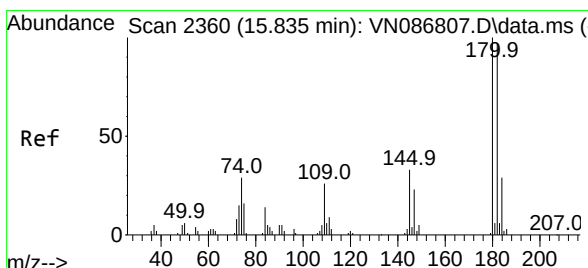
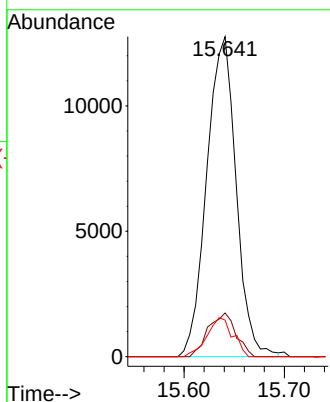
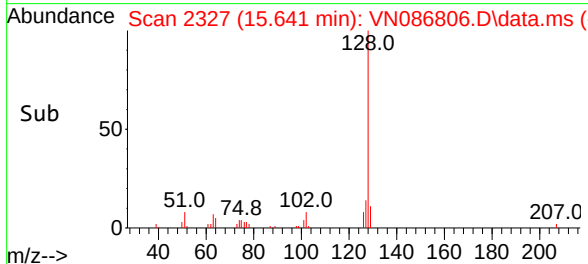
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



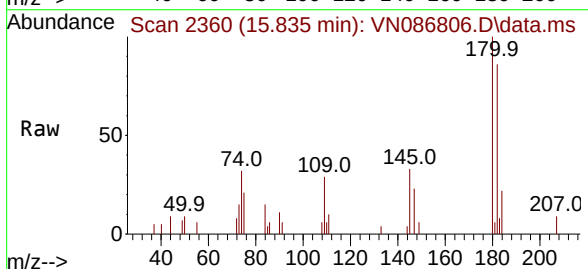
Tgt Ion:128 Resp: 26010
Ion Ratio Lower Upper
128 100
127 12.8 9.8 14.6
129 10.7 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#92
1,2,3-Trichlorobenzene
Concen: 4.329 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086806.D
Acq: 29 May 2025 10:56



Tgt Ion:180 Resp: 8176
Ion Ratio Lower Upper
180 100
182 93.3 0.0 195.4
145 34.7 0.0 70.0

