

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042425\
 Data File : VN086397.D
 Acq On : 24 Apr 2025 16:35
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 25 01:41:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	33473	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	200679	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.864	117	185622	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	98786	30.610	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.033%			
60) 4-Bromofluorobenzene	12.847	95	105260	28.852	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.167%			
63) Toluene-d8	10.565	98	303689	29.739	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42602	18.435	ug/l	99
3) Chloromethane	2.359	50	57315	17.460	ug/l	97
4) Vinyl Chloride	2.518	62	56324	17.915	ug/l	99
5) Bromomethane	2.965	94	30605	18.645	ug/l	96
6) Chloroethane	3.124	64	39388	18.792	ug/l	98
7) Trichlorofluoromethane	3.500	101	67828	18.277	ug/l	97
8) Diethyl Ether	3.959	74	30528	19.488	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	42415	18.591	ug/l	98
10) 1,1-Dichloroethene	4.341	96	42023	17.996	ug/l	92
11) Methyl Iodide	4.588	142	51584	18.879	ug/l	98
12) Methyl Acetate	5.024	43	69467	20.988	ug/l	97
13) Acrolein	4.183	56	16513	103.369	ug/l	98
14) Acrylonitrile	5.718	53	123852	100.540	ug/l	98
15) Acetone	4.430	58	32123	94.634	ug/l	91
16) Carbon Disulfide	4.712	76	107311	17.439	ug/l	100
17) Allyl chloride	5.018	41	66768	17.882	ug/l	97
18) Methylene Chloride	5.271	84	50730	19.076	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	45324	18.210	ug/l	95
20) Diisopropyl ether	6.665	45	169937	19.141	ug/l	97
21) 1,1-Dichloroethane	6.571	63	90945	18.714	ug/l	99
22) cis-1,2-Dichloroethene	7.482	96	57914	18.608	ug/l	98
23) tert-Butyl Alcohol	5.512	59	51355	107.616	ug/l #	14
24) Methyl tert-Butyl Ether	5.788	73	171183	19.841	ug/l	100
25) Chloroform	7.965	83	94385	19.190	ug/l	94
26) Cyclohexane	8.253	56	76077	17.730	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	63858	18.050	ug/l	99
30) 2-Butanone	7.477	43	173399	100.981	ug/l	99
31) 2,2-Dichloropropane	7.482	77	81655	17.955	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	78491	18.566	ug/l	99
33) Carbon Tetrachloride	8.359	117	64284	18.471	ug/l	96
34) Benzene	8.600	78	211061	18.757	ug/l	94
35) Methacrylonitrile	7.777	41	37621	19.206	ug/l	94
36) 1,2-Dichloroethane	8.665	62	69854	19.121	ug/l	99
37) Trichloroethene	9.347	130	50960	18.091	ug/l	95
38) Methylcyclohexane	9.600	83	72135	17.654	ug/l	98
39) 1,2-Dichloropropane	9.623	63	52069	18.731	ug/l	96
40) Dibromomethane	9.706	93	35726	19.218	ug/l	96
41) Bromodichloromethane	9.888	83	76054	19.332	ug/l	98
42) Vinyl Acetate	6.600	43	580685	97.621	ug/l	100

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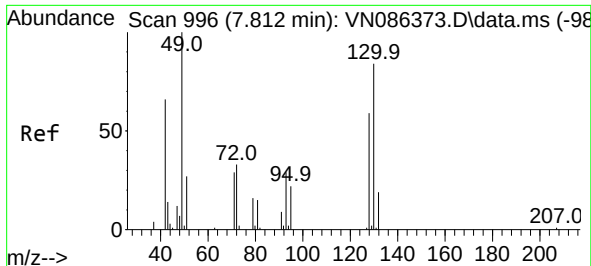
Manual Integrations
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 Supervised By : Mahesh Dadoda 04/25/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	65738m	19.345	ug/l	
44) Isopropyl Acetate	8.682	43	128098	19.862	ug/l	100
45) 1,4-Dioxane	9.688	88	18041	358.521	ug/l	98
46) Methyl methacrylate	9.676	41	58679	19.724	ug/l	97
47) n-amyl Acetate	12.488	43	104497	19.010	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	83550	18.996	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	87997	18.973	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	51299	19.756	ug/l	98
51) Ethyl methacrylate	10.870	69	87523	19.354	ug/l	98
52) 1,3-Dichloropropane	11.159	76	90229	19.661	ug/l	97
53) Dibromochloromethane	11.359	129	55166	18.920	ug/l	97
54) 1,2-Dibromoethane	11.465	107	51828	19.631	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	222420	104.609	ug/l	100
56) Bromoform	12.576	173	36755	19.426	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	370811	103.231	ug/l	99
59) 2-Hexanone	11.194	43	272153	102.813	ug/l	99
61) Tetrachloroethene	11.100	164	50892	17.976	ug/l	98
62) Toluene	10.623	91	233340	18.780	ug/l	99
64) Chlorobenzene	11.888	112	143256	18.504	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.953	131	49944	19.294	ug/l	99
66) Ethyl Benzene	11.959	91	258262	18.466	ug/l	100
67) m/p-Xylenes	12.064	106	193892	36.539	ug/l	98
68) o-Xylene	12.394	106	96902	18.650	ug/l	97
69) Styrene	12.406	104	160580	18.234	ug/l	100
70) Isopropylbenzene	12.694	105	236107	18.204	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	70460	20.632	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	59275m	19.909	ug/l	
73) Bromobenzene	12.976	156	56024	18.789	ug/l	99
74) n-propylbenzene	13.035	91	279045	18.106	ug/l	100
75) 2-Chlorotoluene	13.123	91	174552	18.143	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	193903	18.221	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	28391	18.789	ug/l	97
78) 4-Chlorotoluene	13.217	91	173723	18.059	ug/l	99
79) tert-butylbenzene	13.435	119	163207	17.907	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	194793	17.923	ug/l	97
81) sec-Butylbenzene	13.611	105	234276	18.007	ug/l	99
82) p-Isopropyltoluene	13.723	119	194150	17.834	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	100453	17.822	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	101087	18.152	ug/l	98
85) n-Butylbenzene	14.053	91	170458	17.548	ug/l	99
86) Hexachloroethane	14.329	117	31617	17.761	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	97757	18.227	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13810	19.895	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	47051	19.249	ug/l	99
90) Hexachlorobutadiene	15.494	225	18240	18.525	ug/l	98
91) Naphthalene	15.635	128	169342	19.351	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	47051	19.249	ug/l	99

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



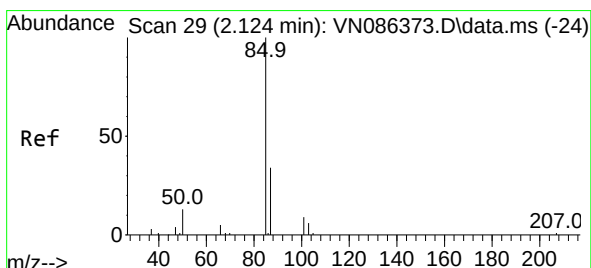
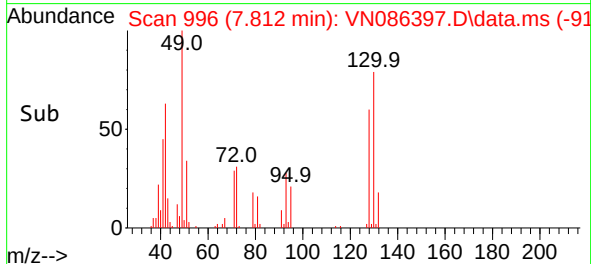
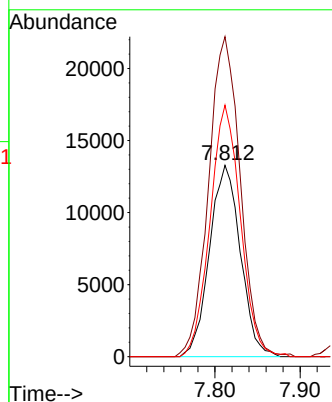
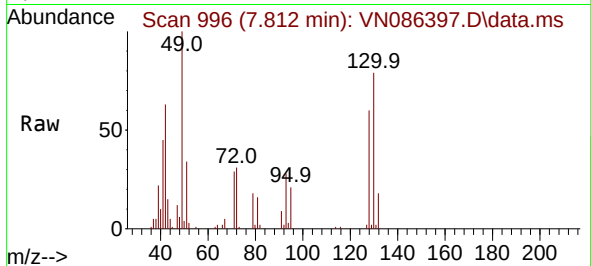
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 3347
Ion Ratio Lower Upper
128 100
49 171.1 0.0 433.8
130 129.5 0.0 325.0

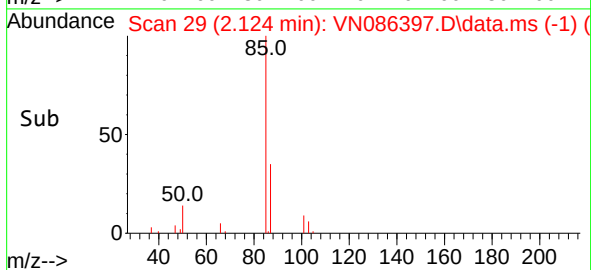
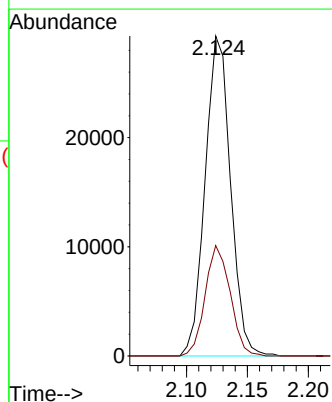
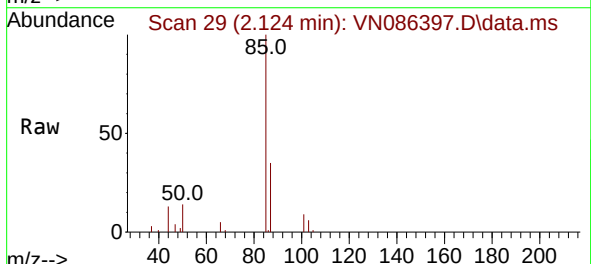
Manual Integrations
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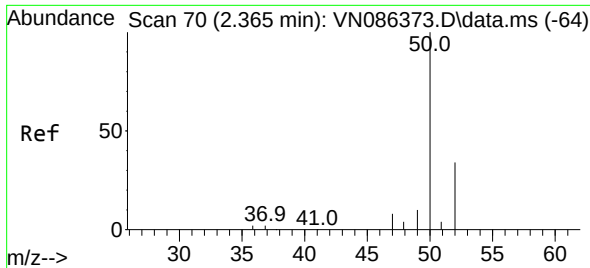
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 18.435 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 85 Resp: 42602
Ion Ratio Lower Upper
85 100
87 34.5 17.0 50.9





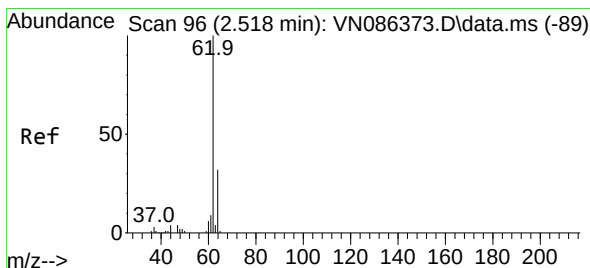
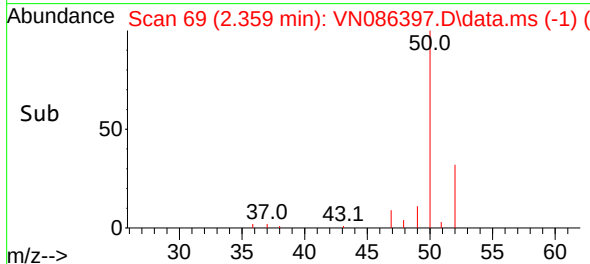
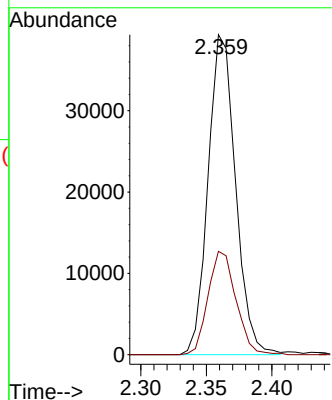
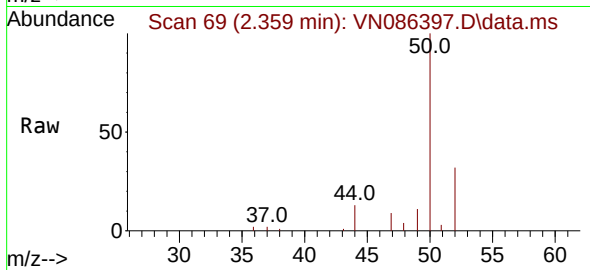
#3
Chloromethane
Concen: 17.460 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 50 Resp: 5731
Ion Ratio Lower Upper
50 100
52 32.3 27.3 40.9

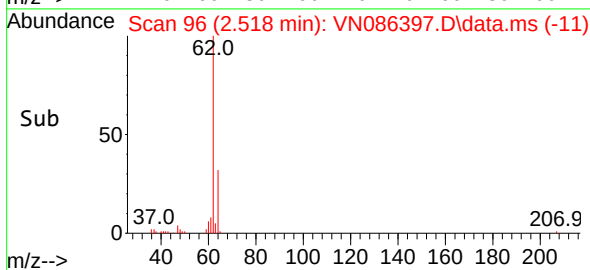
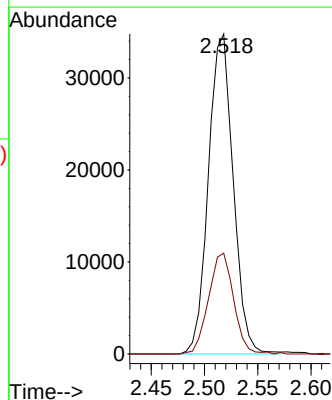
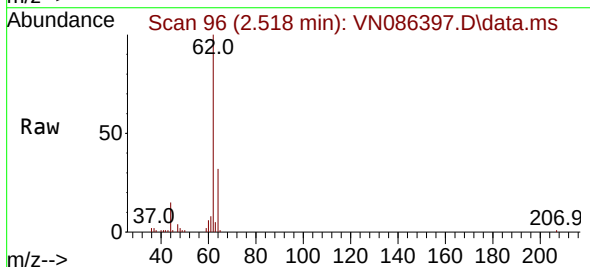
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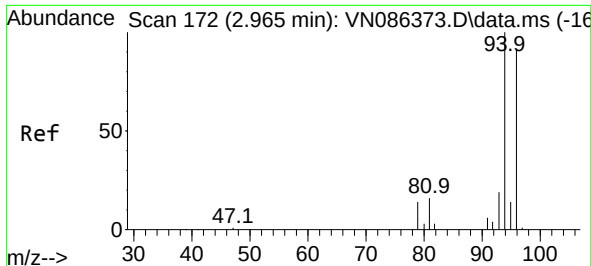
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 17.915 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

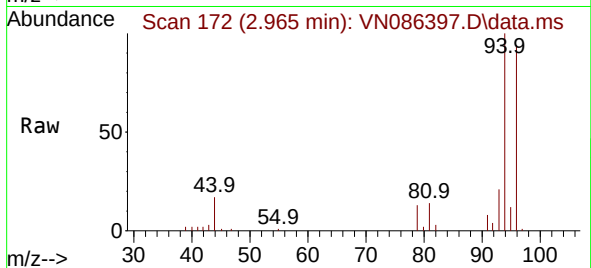
Tgt Ion: 62 Resp: 56324
Ion Ratio Lower Upper
62 100
64 31.5 25.8 38.8





#5
Bromomethane
Concen: 18.645 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

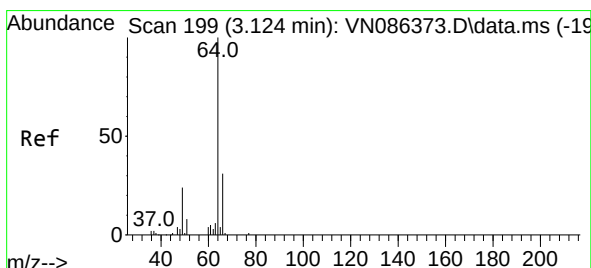
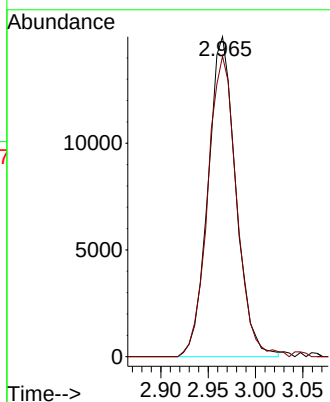
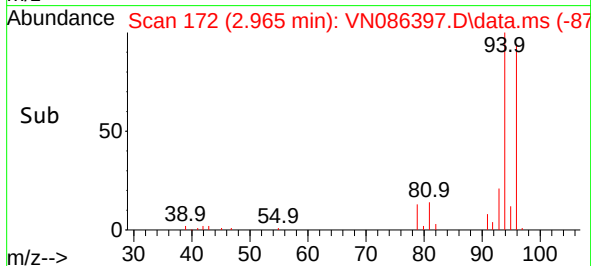
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 94 Resp: 3060
Ion Ratio Lower Upper
94 100
96 93.9 72.4 108.6

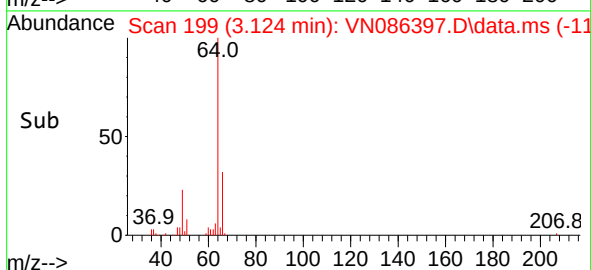
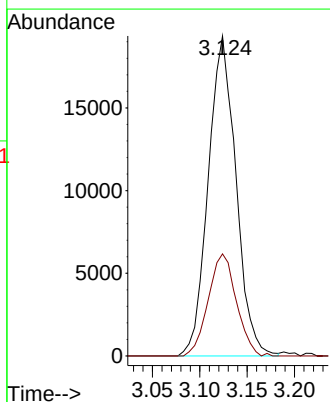
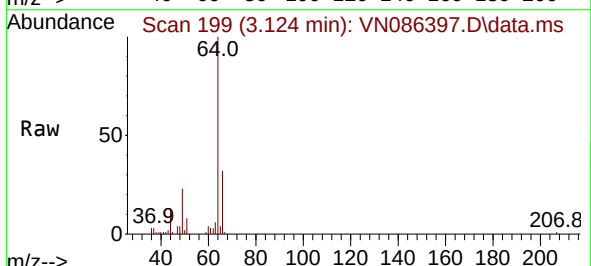
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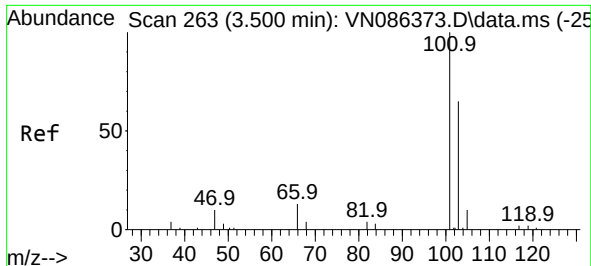
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#6
Chloroethane
Concen: 18.792 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN086397.D
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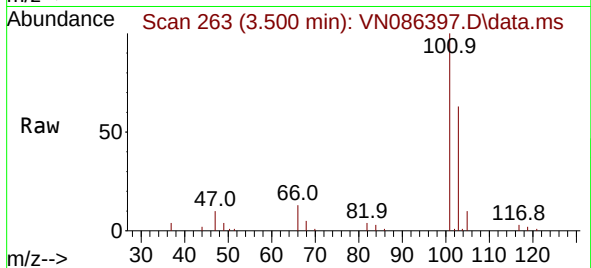
Tgt Ion: 64 Resp: 39388
Ion Ratio Lower Upper
64 100
66 31.9 24.5 36.7





#7
Trichlorofluoromethane
Concen: 18.277 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

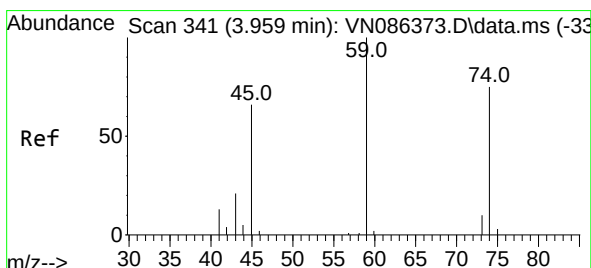
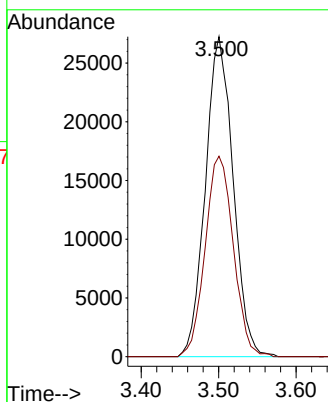
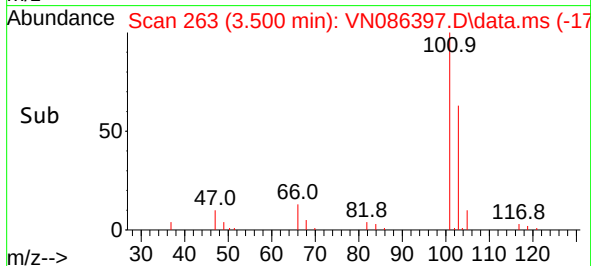
Instrument :
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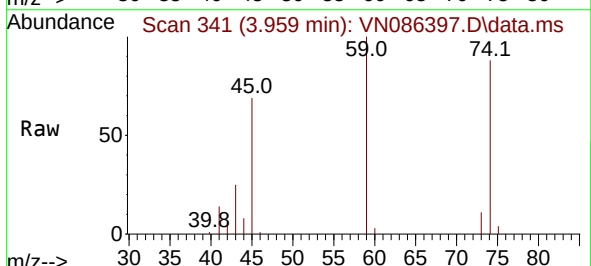
Tgt Ion:101 Resp: 67828
Ion Ratio Lower Upper
101 100
103 62.7 51.8 77.6

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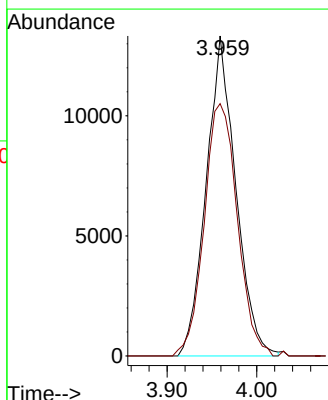
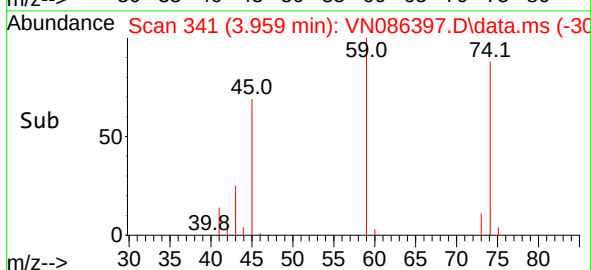
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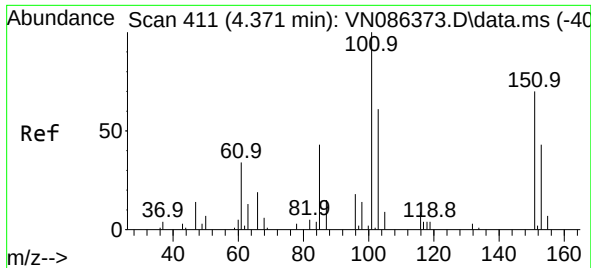


#8
Diethyl Ether
Concen: 19.488 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion: 74 Resp: 30528
Ion Ratio Lower Upper
74 100
45 88.1 18.5 166.3





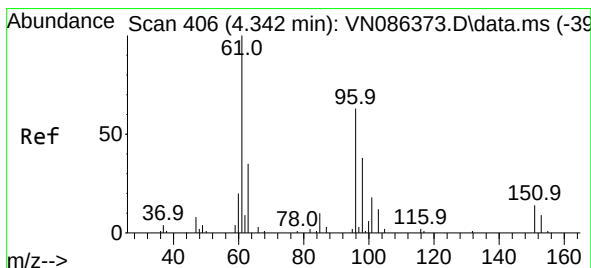
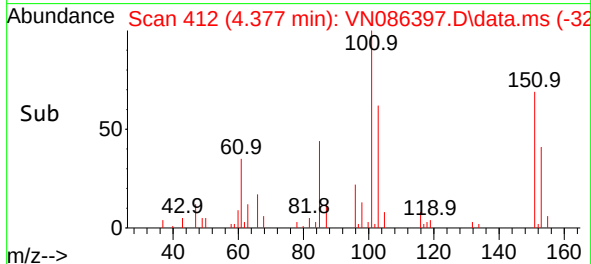
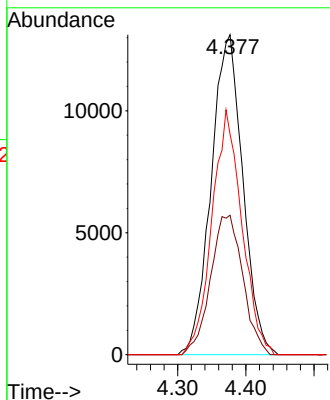
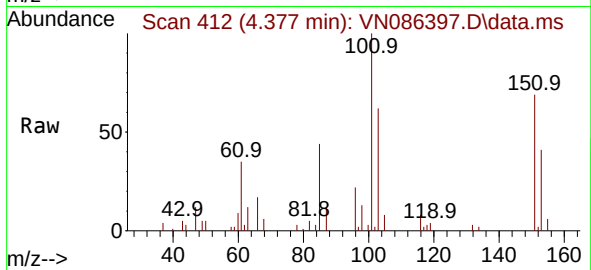
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.591 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 4241
Ion Ratio Lower Upper
101 100
85 44.5 0.0 84.4
151 72.3 0.0 145.8

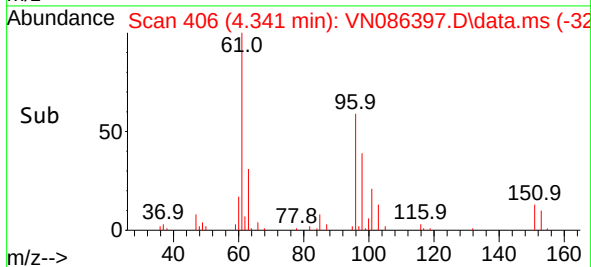
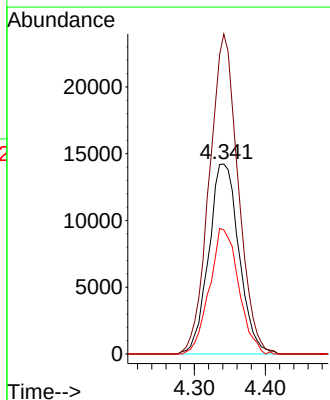
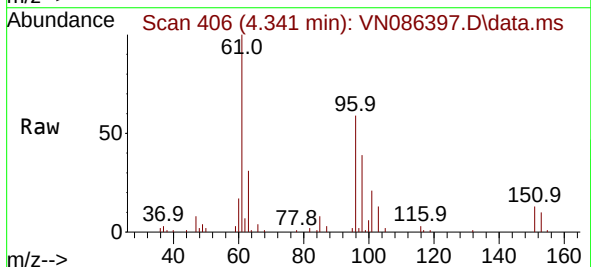
Manual Integrations
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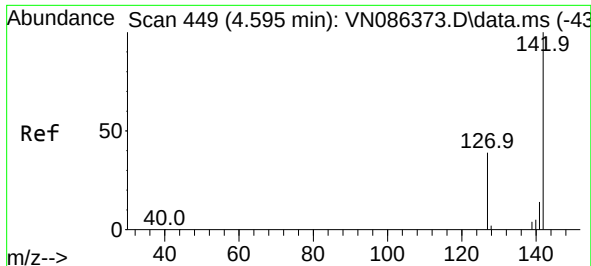
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 17.996 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

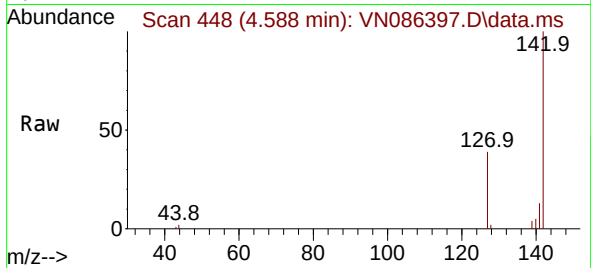
Tgt Ion: 96 Resp: 42023
Ion Ratio Lower Upper
96 100
61 168.5 126.2 189.4
98 65.3 48.5 72.7





#11
Methyl Iodide
Concen: 18.879 ug/l
RT: 4.588 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

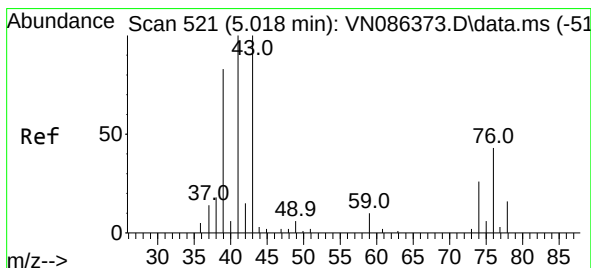
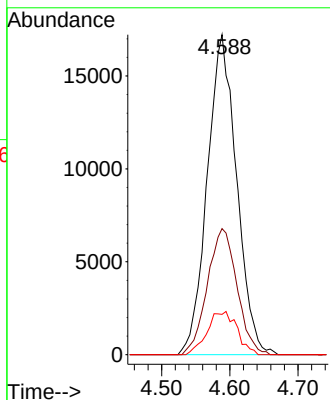
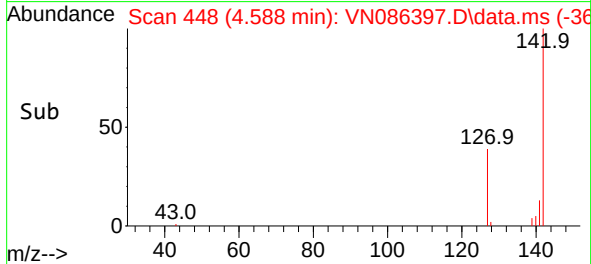
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 51584
Ion Ratio Lower Upper
142 100
127 39.4 19.3 57.9
141 12.6 7.1 21.3

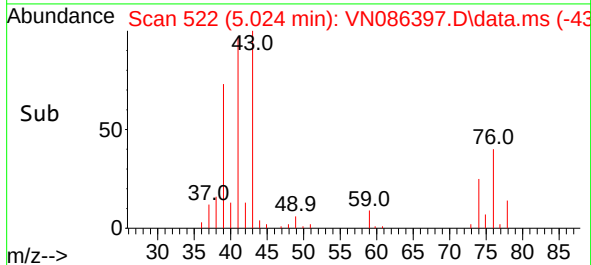
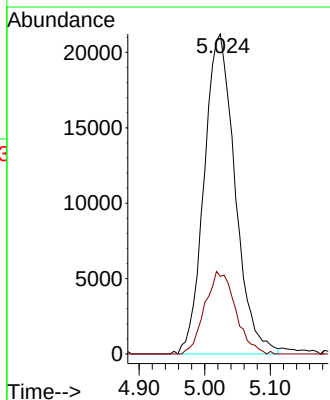
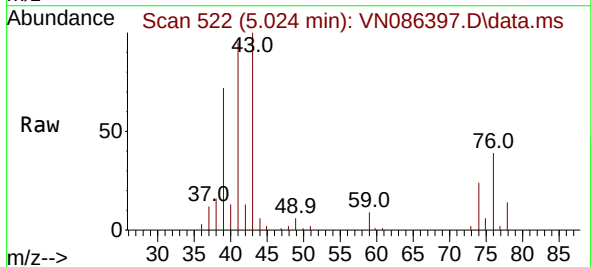
Manual Integrations
APPROVED

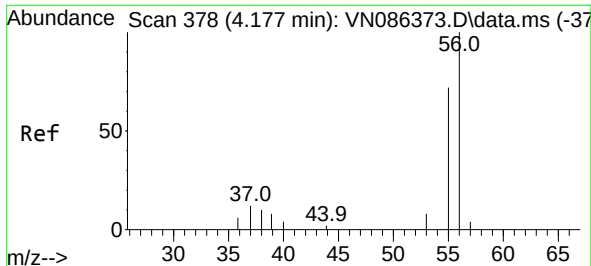
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#12
Methyl Acetate
Concen: 20.988 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 43 Resp: 69467
Ion Ratio Lower Upper
43 100
74 24.4 20.8 31.2





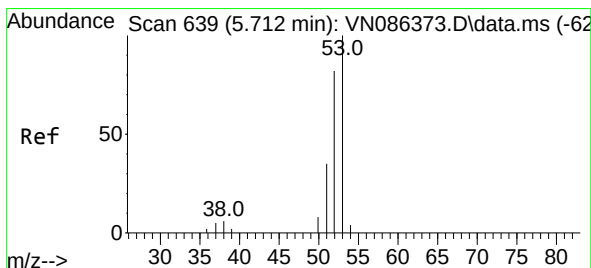
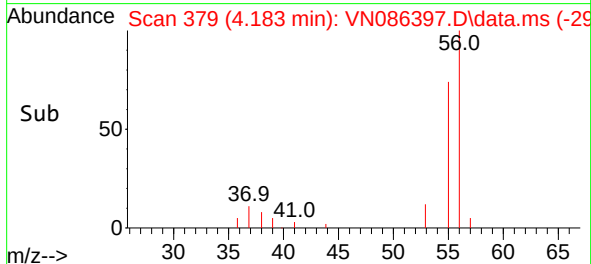
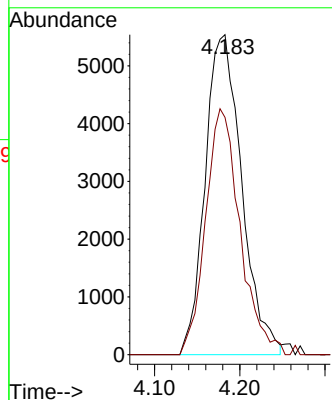
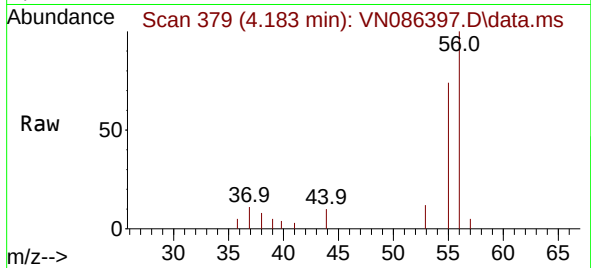
#13
Acrolein
Concen: 103.369 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 56 Resp: 1651
Ion Ratio Lower Upper
56 100
55 71.5 56.1 84.1

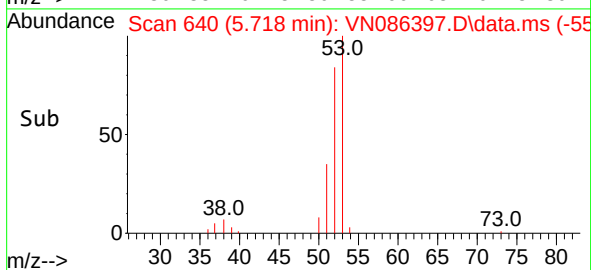
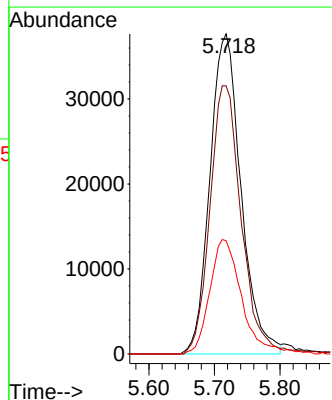
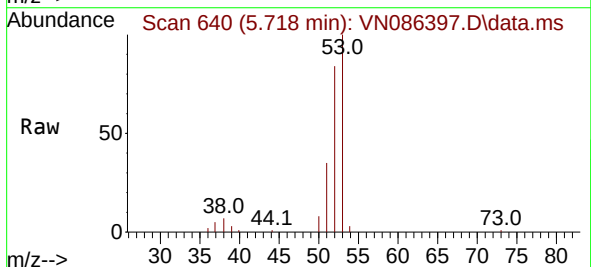
Manual Integrations
APPROVED

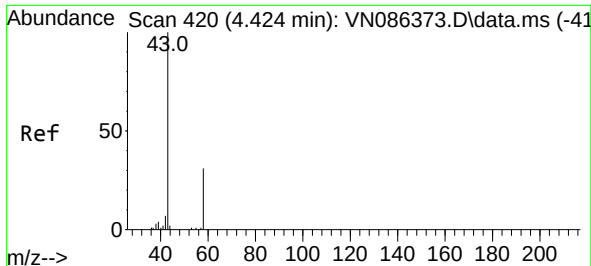
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#14
Acrylonitrile
Concen: 100.540 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 53 Resp: 123852
Ion Ratio Lower Upper
53 100
52 84.0 41.2 123.6
51 36.2 17.6 52.8





#15

Acetone

Concen: 94.634 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 3212

Ion Ratio Lower Upper

58 100

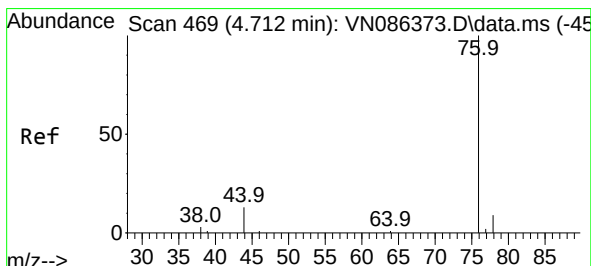
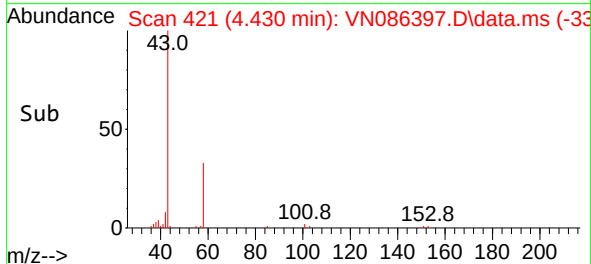
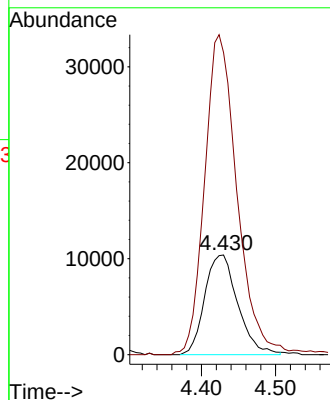
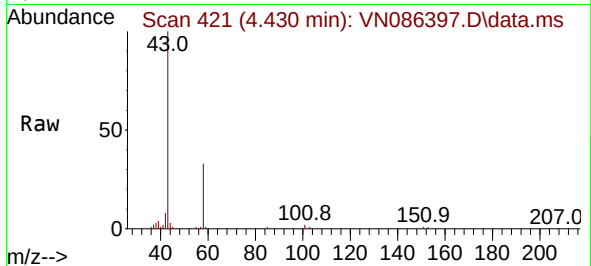
43 299.9 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 17.439 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086397.D

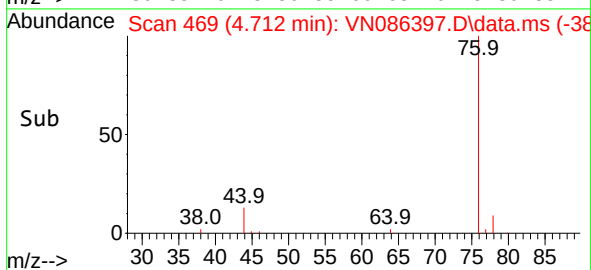
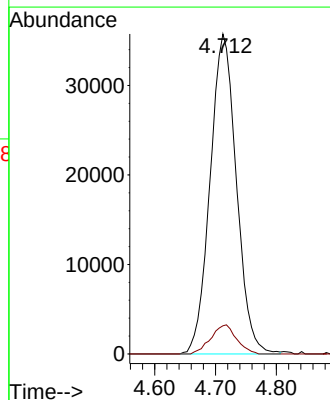
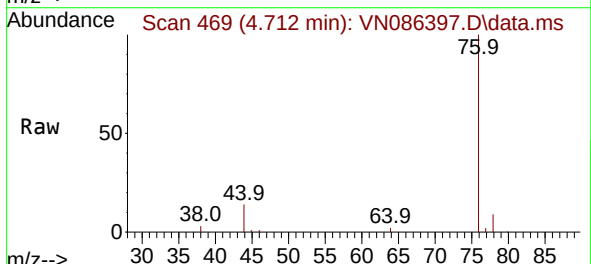
Acq: 24 Apr 2025 16:35

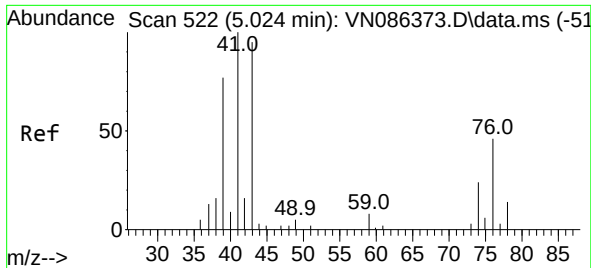
Tgt Ion: 76 Resp: 107311

Ion Ratio Lower Upper

76 100

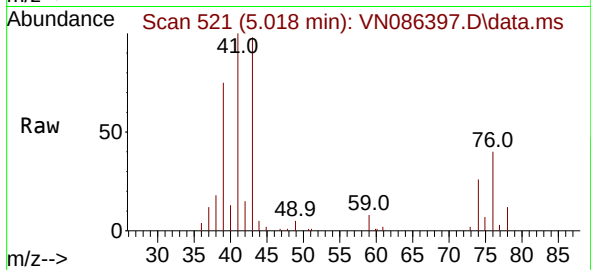
78 8.8 7.1 10.7





#17
 Allyl chloride
 Concen: 17.882 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN086397.D
 Acq: 24 Apr 2025 16:35

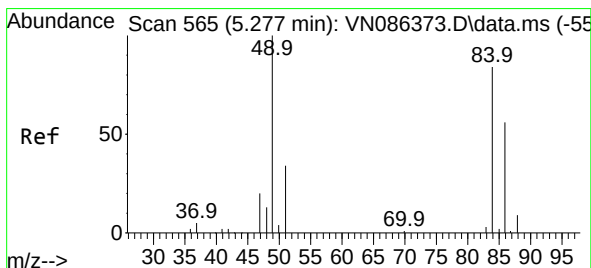
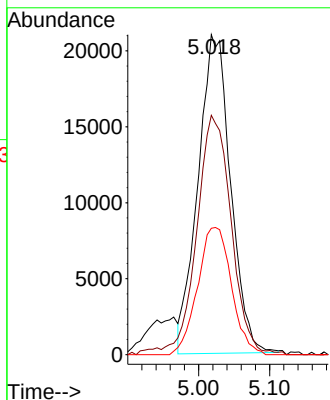
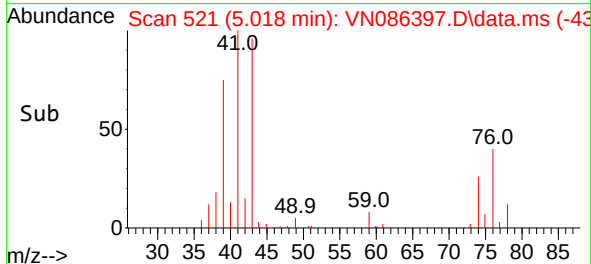
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 66768
 Ion Ratio Lower Upper
 41 100
 39 75.0 36.7 110.1
 76 40.0 21.8 65.4

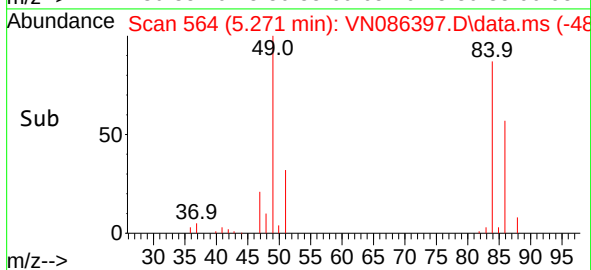
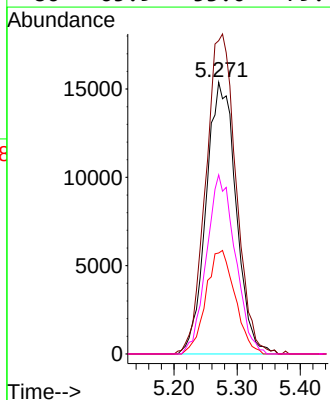
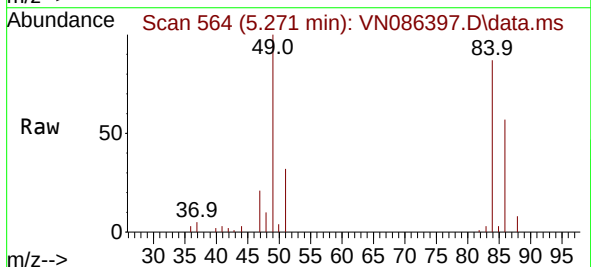
Manual Integrations
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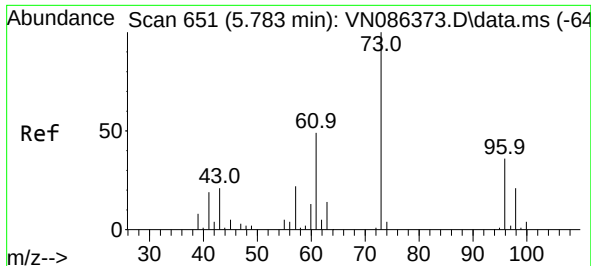
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#18
 Methylene Chloride
 Concen: 19.076 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: VN086397.D
 Acq: 24 Apr 2025 16:35

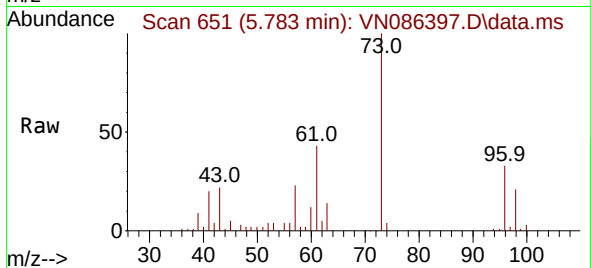
Tgt Ion: 84 Resp: 50730
 Ion Ratio Lower Upper
 84 100
 49 115.4 95.4 143.0
 51 37.2 32.8 49.2
 86 65.9 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 18.210 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

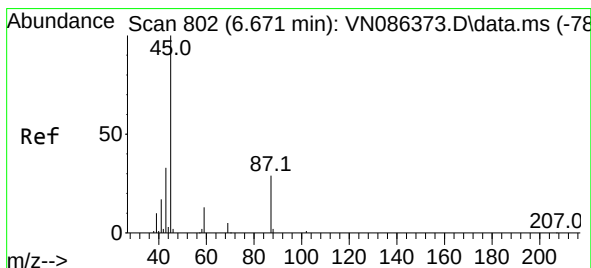
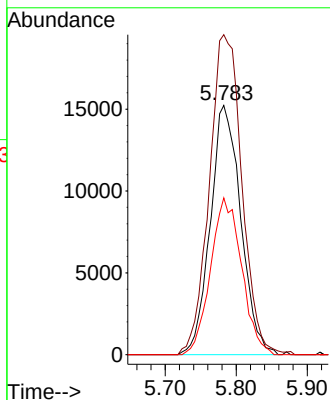
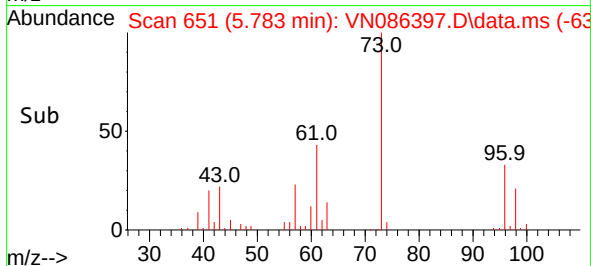
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



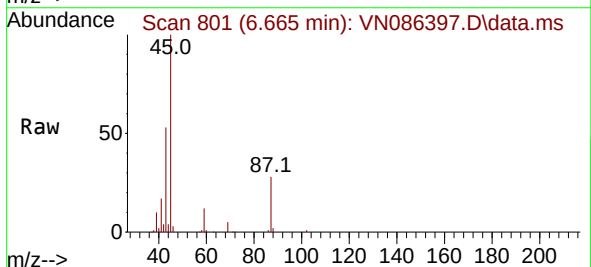
Tgt Ion: 96 Resp: 45324
Ion Ratio Lower Upper
96 100
61 128.4 107.3 160.9
98 62.9 46.7 70.1

Manual Integrations
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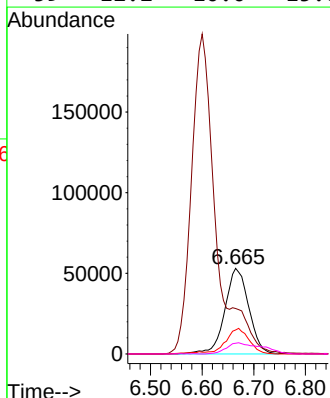
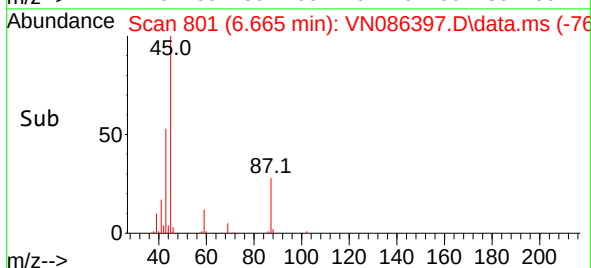
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

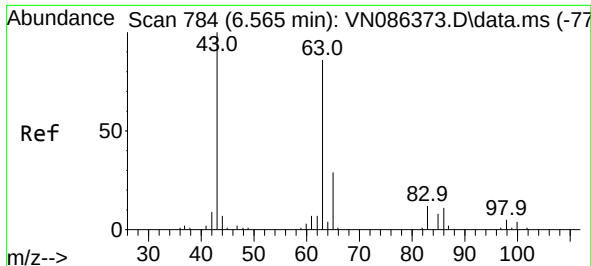


#20
Diisopropyl ether
Concen: 19.141 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion: 45 Resp: 169937
Ion Ratio Lower Upper
45 100
43 51.1 38.8 58.2
87 28.0 23.5 35.3
59 12.2 10.0 15.0





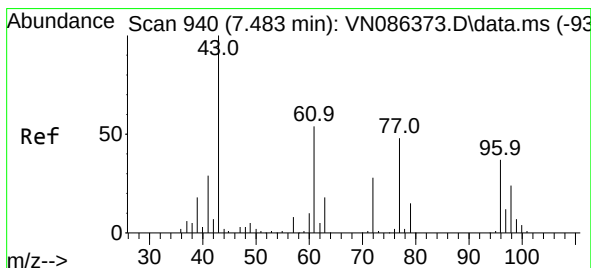
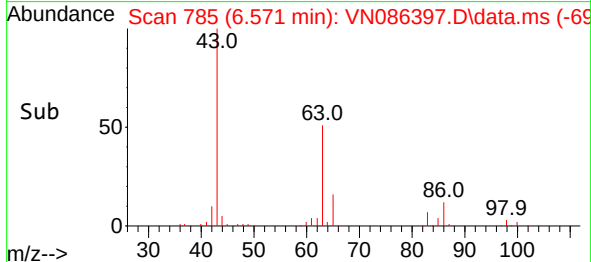
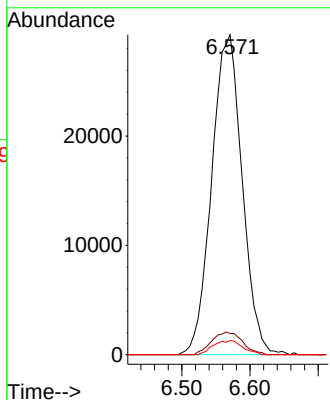
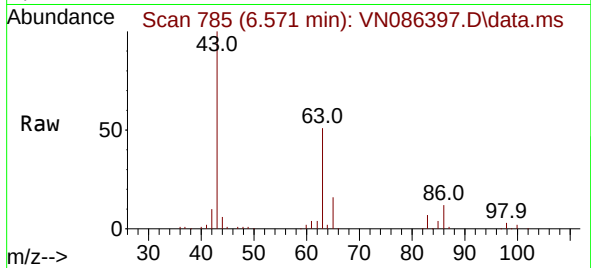
#21
1,1-Dichloroethane
Concen: 18.714 ug/l
RT: 6.571 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 9094
Ion Ratio Lower Upper
63 100
98 6.7 3.0 9.2
100 4.4 2.3 6.8

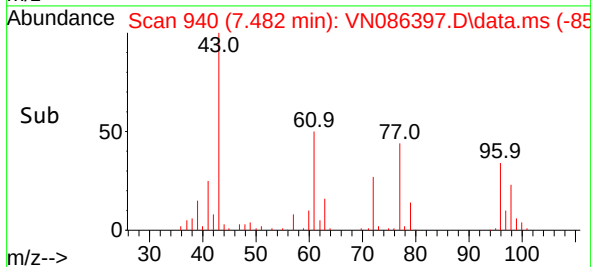
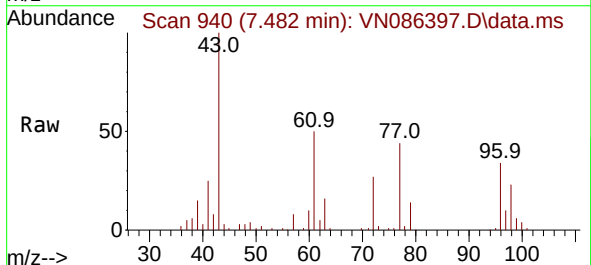
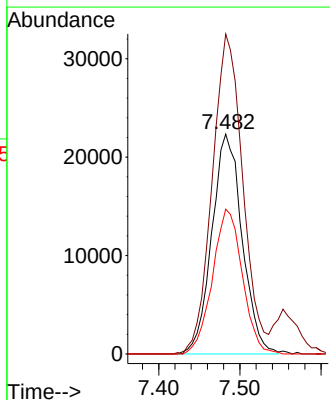
Manual Integrations
APPROVED

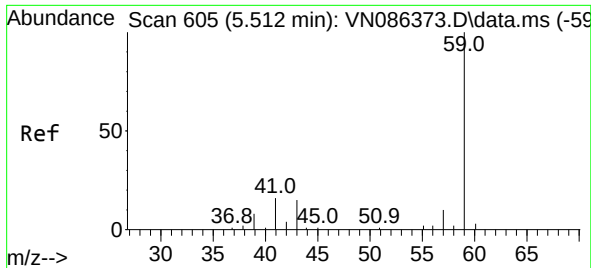
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 18.608 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

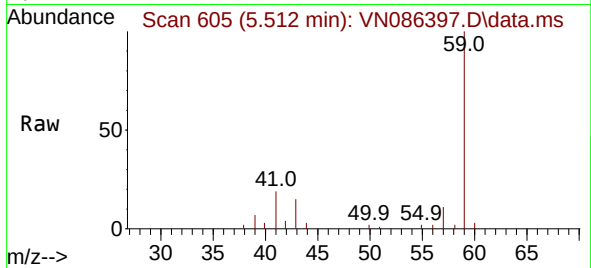
Tgt Ion: 96 Resp: 57914
Ion Ratio Lower Upper
96 100
61 146.7 120.6 181.0
98 65.0 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 107.616 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

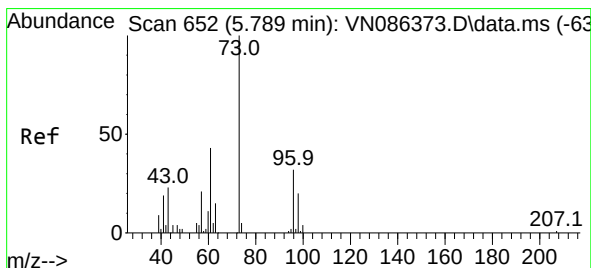
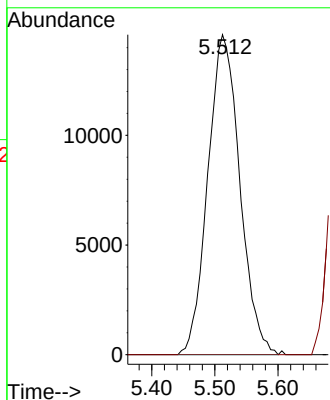
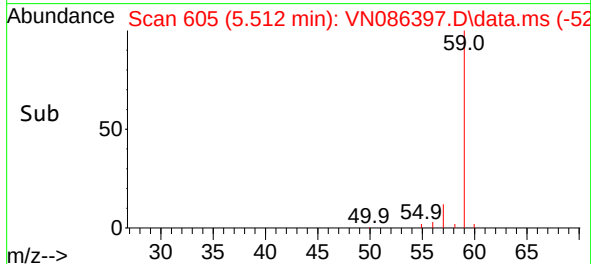
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



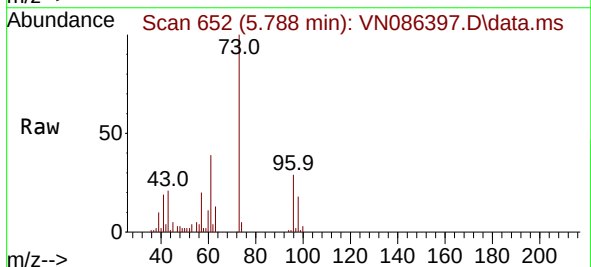
Tgt Ion: 59 Resp: 5135
Ion Ratio Lower Upper
59 100
52 202.6 0.1 0.1

Manual Integrations
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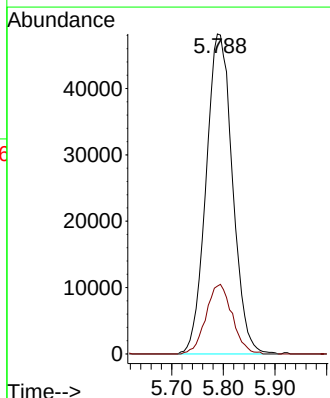
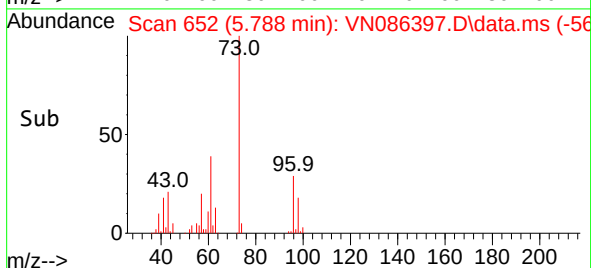
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

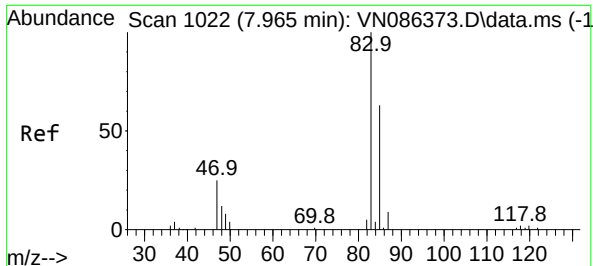


#24
Methyl tert-Butyl Ether
Concen: 19.841 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion: 73 Resp: 171183
Ion Ratio Lower Upper
73 100
43 21.6 17.1 25.7





#25

Chloroform

Concen: 19.190 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 9438

Ion Ratio Lower Upper

83 100

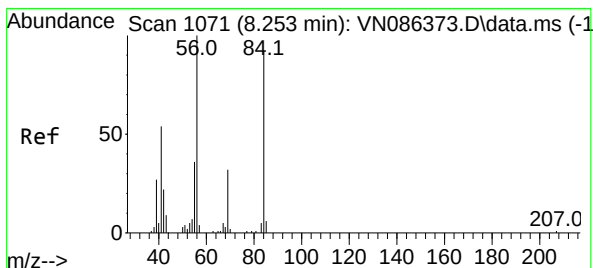
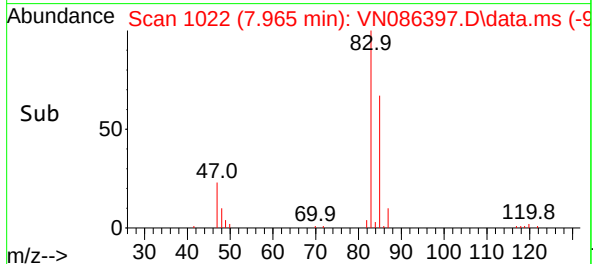
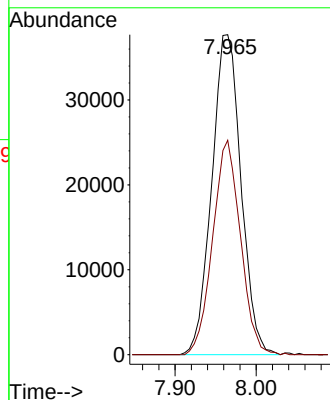
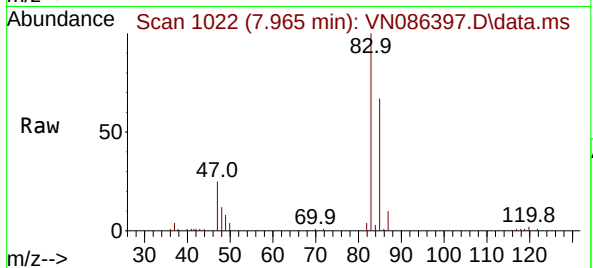
85 67.0 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 17.730 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

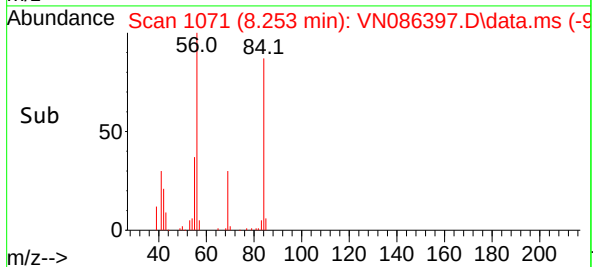
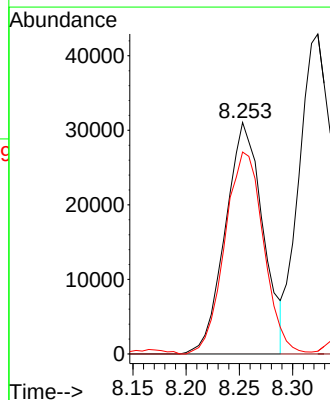
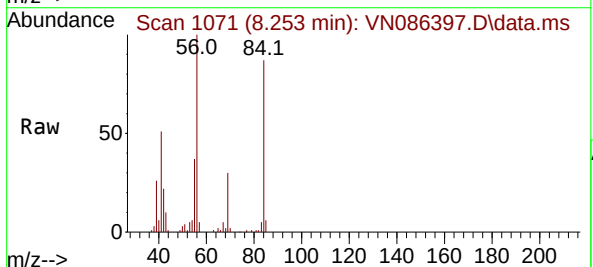
Tgt Ion: 56 Resp: 76077

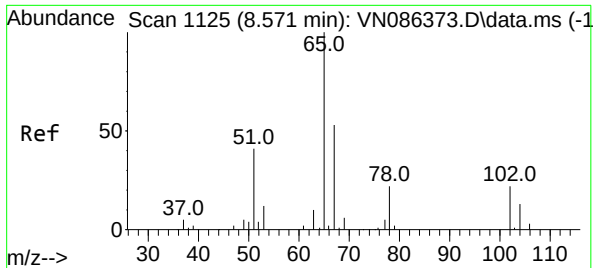
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

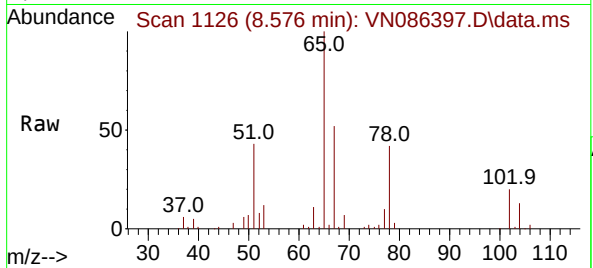
84 90.3 71.5 107.3





#27
1,2-Dichloroethane-d4
Concen: 30.610 ug/l
RT: 8.576 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

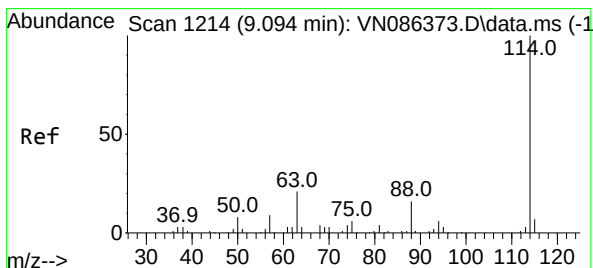
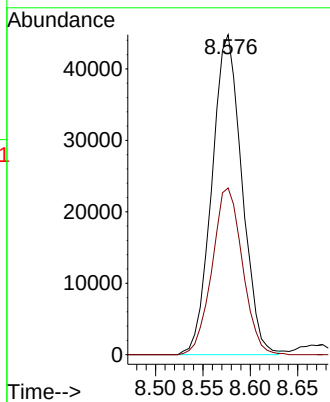
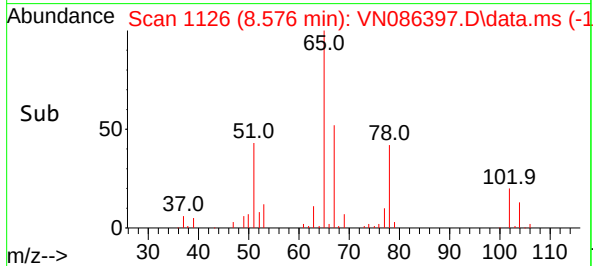
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



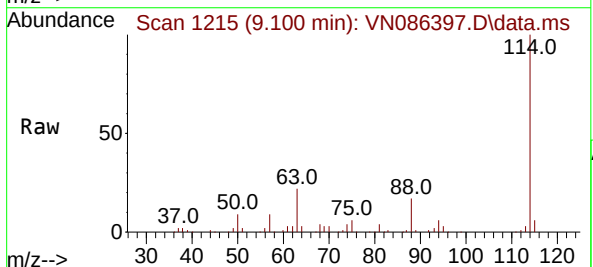
Tgt Ion: 65 Resp: 98780
Ion Ratio Lower Upper
65 100
67 52.6 42.5 63.7

Manual Integrations
APPROVED

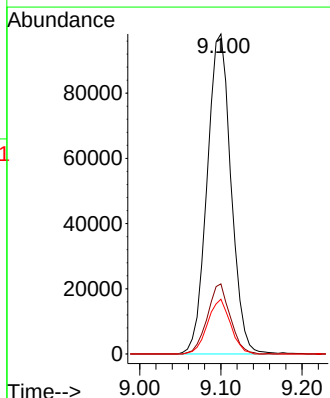
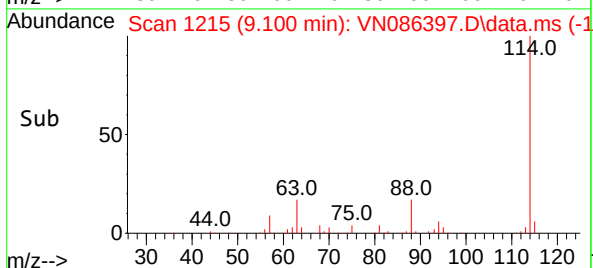
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

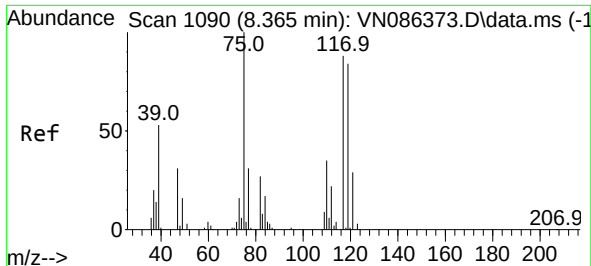


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion:114 Resp: 200679
Ion Ratio Lower Upper
114 100
63 20.9 16.7 25.1
88 16.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 18.050 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

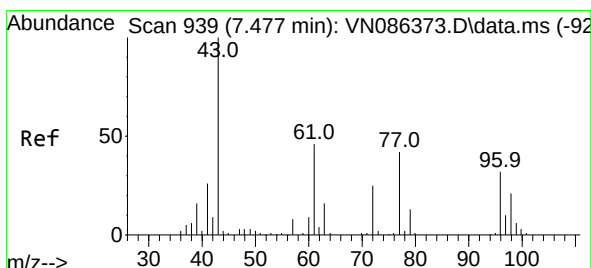
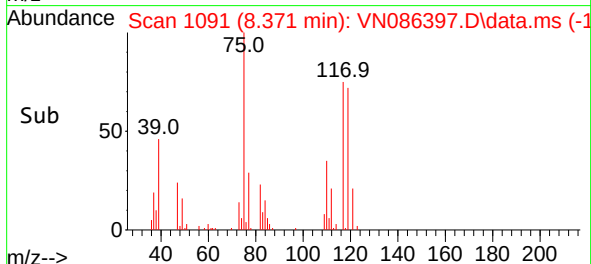
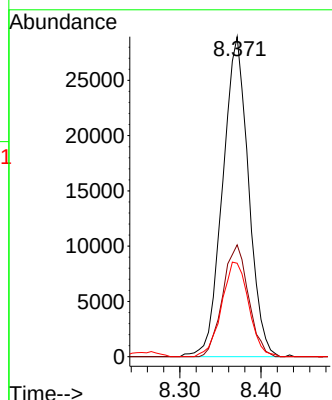
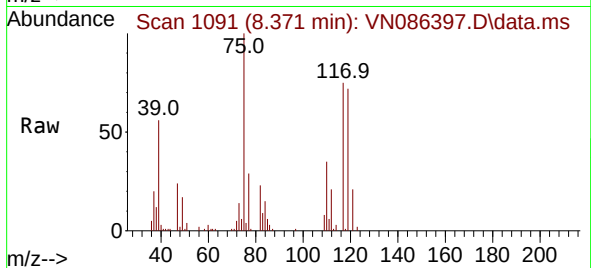
Tgt Ion: 75	Resp: 6385
Ion Ratio	Lower Upper
75	100
110	34.8 0.0 68.0
77	31.0 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 100.981 ug/l

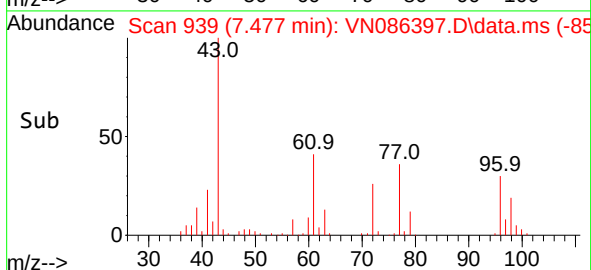
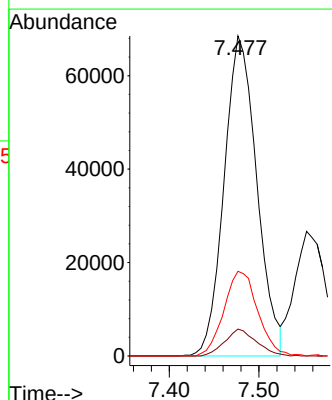
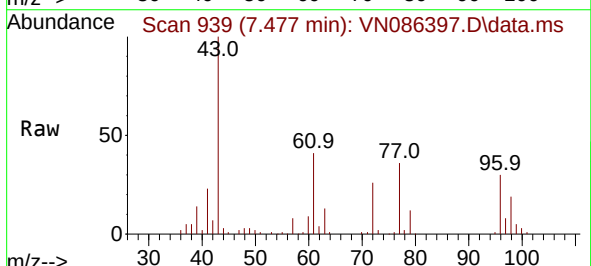
RT: 7.477 min Scan# 939

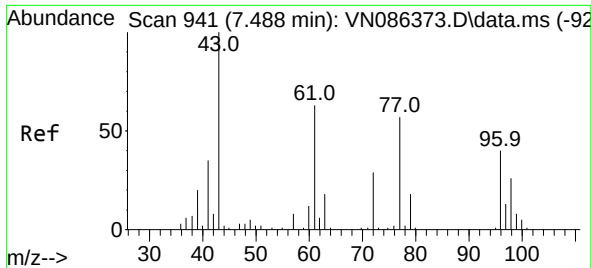
Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Tgt Ion: 43	Resp: 173399
Ion Ratio	Lower Upper
43	100
57	8.1 6.6 10.0
72	27.2 22.2 33.4





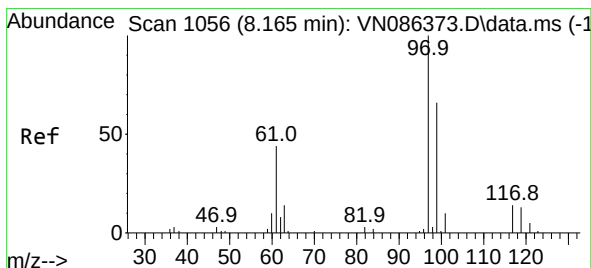
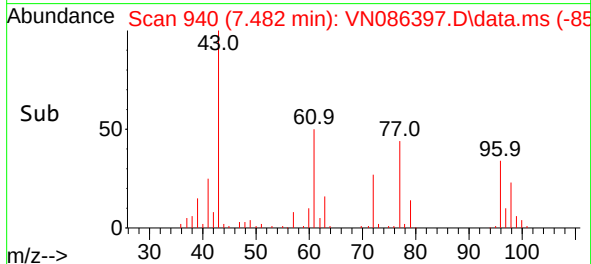
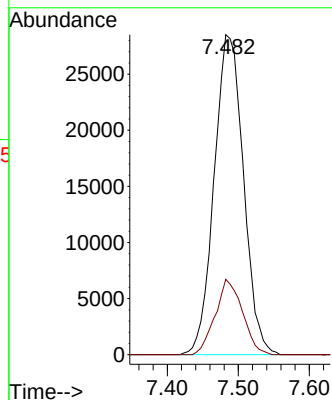
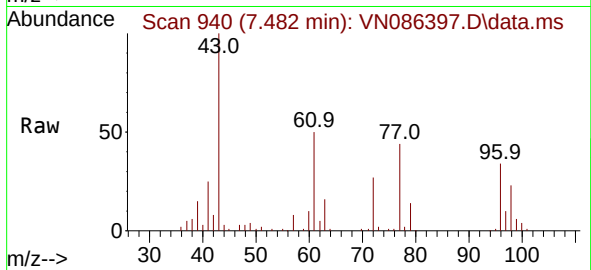
#31
2,2-Dichloropropane
Concen: 17.955 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 77 Resp: 8165
Ion Ratio Lower Upper
77 100
97 21.8 18.2 27.2

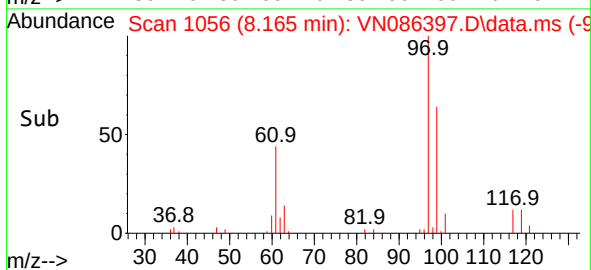
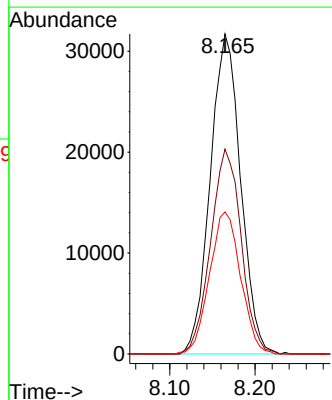
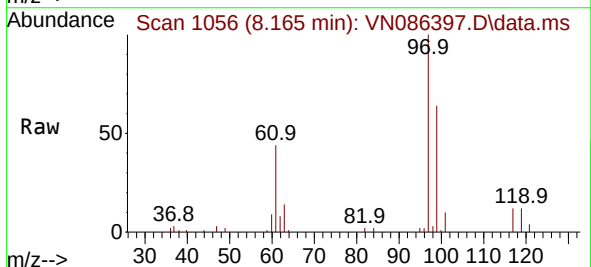
Manual Integrations
APPROVED

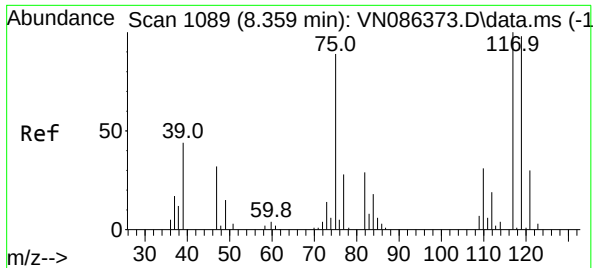
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 18.566 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

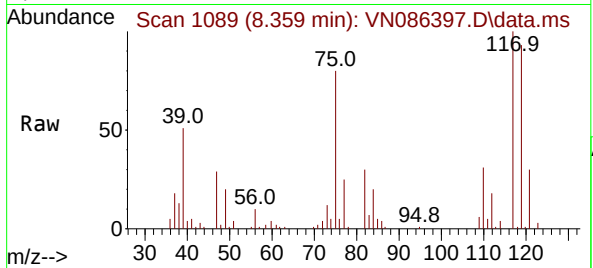
Tgt Ion: 97 Resp: 78491
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 45.5 36.4 54.6





#33
Carbon Tetrachloride
Concen: 18.471 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

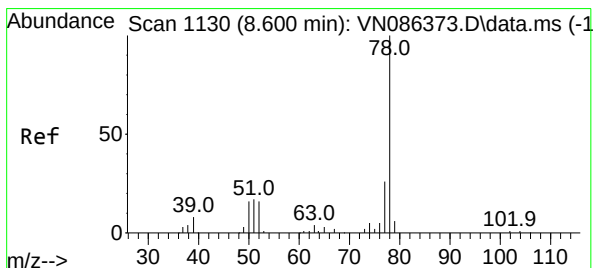
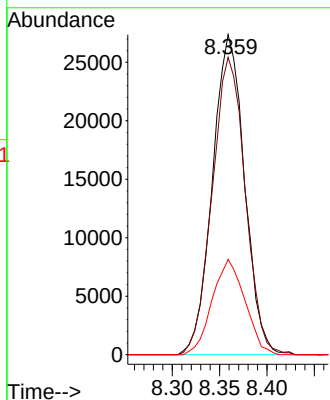
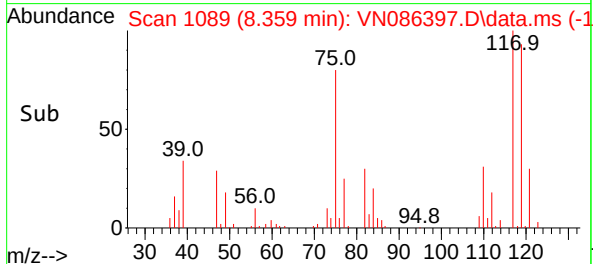
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 64284
Ion Ratio Lower Upper
117 100
119 92.9 78.6 117.8
121 29.8 24.0 36.0

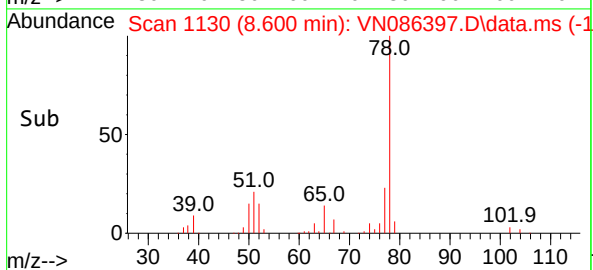
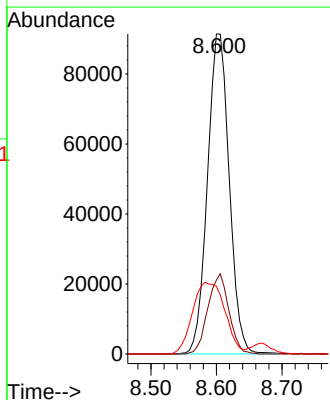
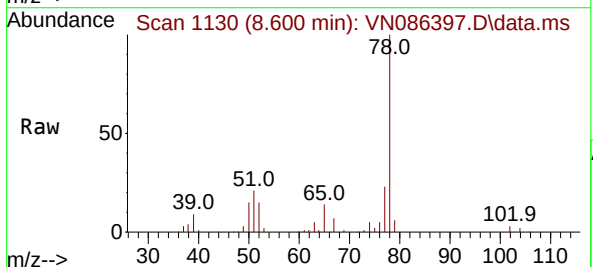
Manual Integrations
APPROVED

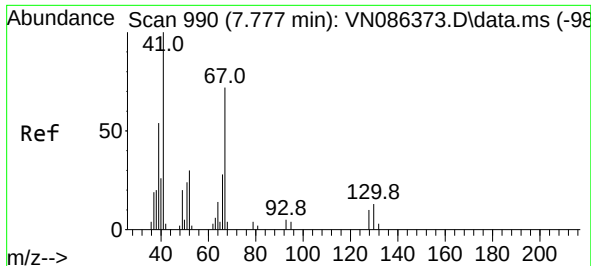
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#34
Benzene
Concen: 18.757 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

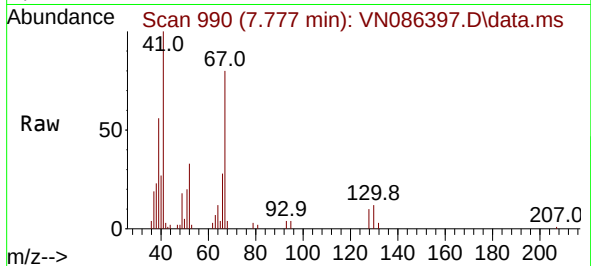
Tgt Ion: 78 Resp: 211061
Ion Ratio Lower Upper
78 100
77 23.1 20.8 31.2
51 20.4 14.0 21.0





#35
Methacrylonitrile
Concen: 19.206 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

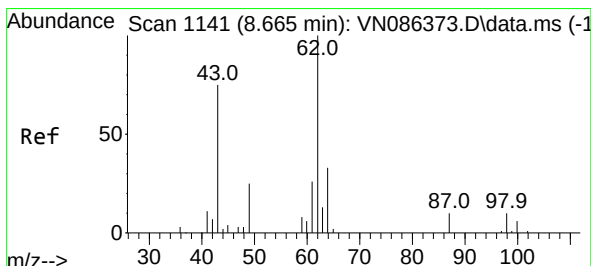
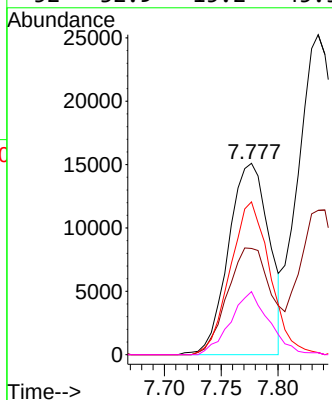
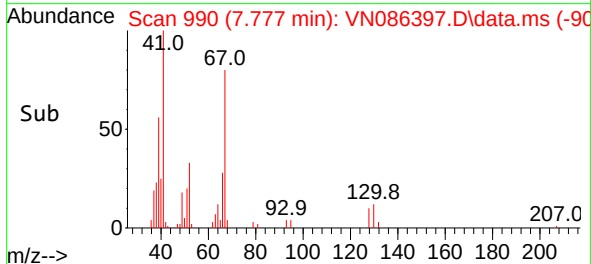
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



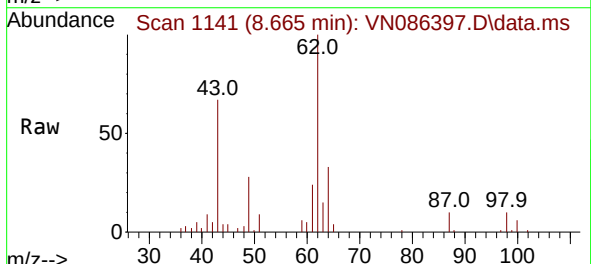
Tgt Ion: 41 Resp: 3762
Ion Ratio Lower Upper
41 100
39 55.5 27.0 80.8
67 79.8 35.8 107.3
52 32.9 15.2 45.5

Manual Integrations
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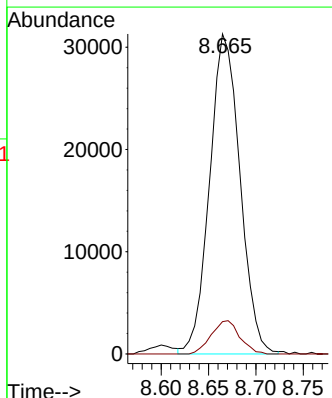
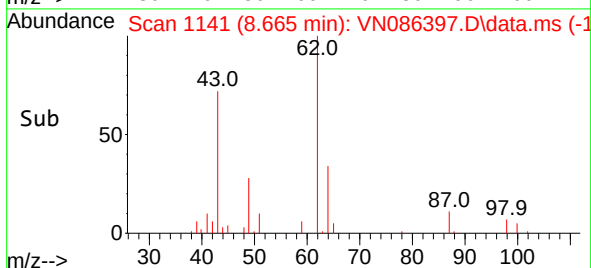
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

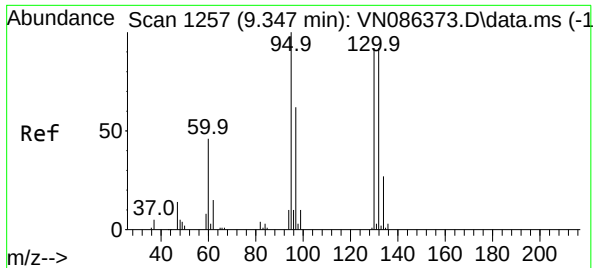


#36
1,2-Dichloroethane
Concen: 19.121 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion: 62 Resp: 69854
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#37

Trichloroethene

Concen: 18.091 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 50960

Ion Ratio Lower Upper

130 100

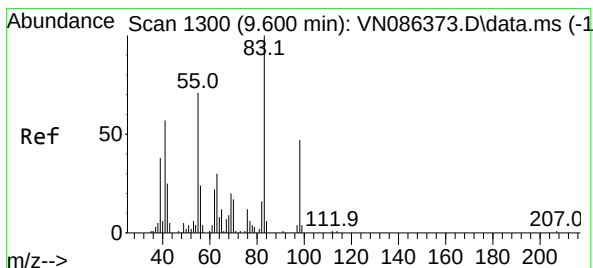
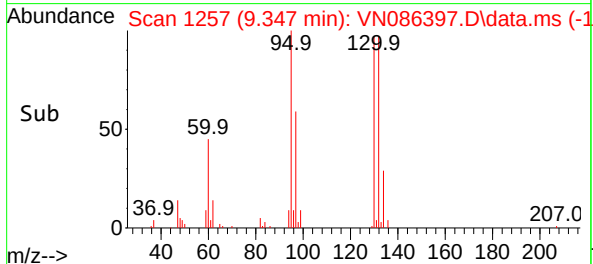
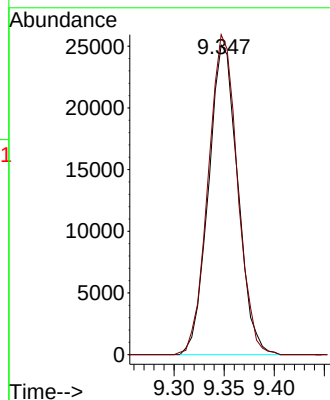
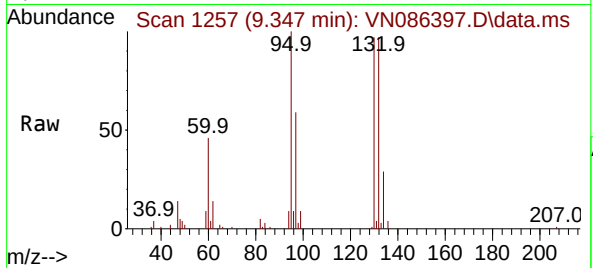
95 103.4 86.6 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#38

Methylcyclohexane

Concen: 17.654 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

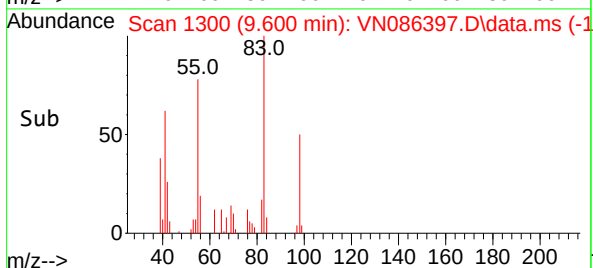
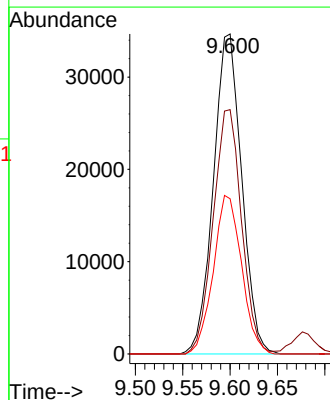
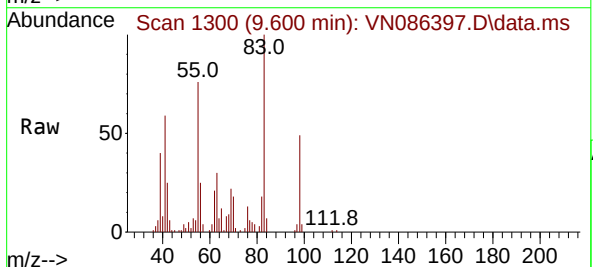
Tgt Ion: 83 Resp: 72135

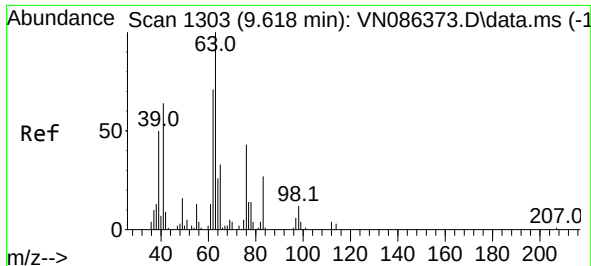
Ion Ratio Lower Upper

83 100

55 76.3 37.3 111.9

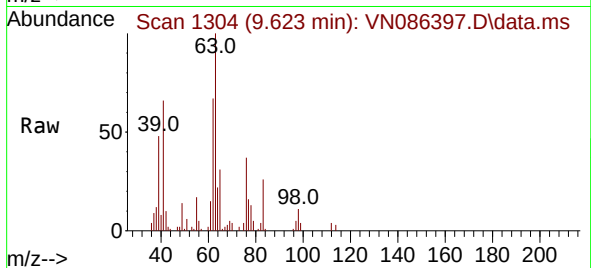
98 49.5 23.8 71.5





#39
1,2-Dichloropropane
Concen: 18.731 ug/l
RT: 9.623 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

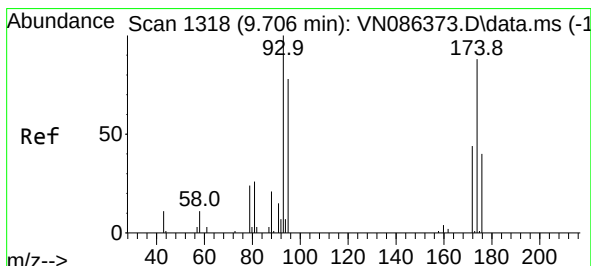
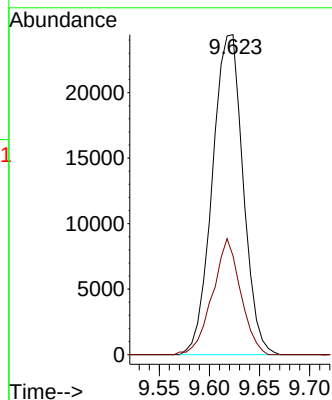
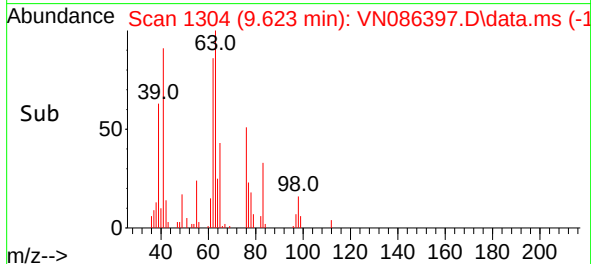
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 52069
Ion Ratio Lower Upper
63 100
65 30.9 26.7 40.1

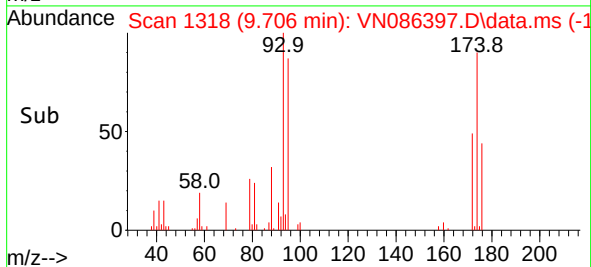
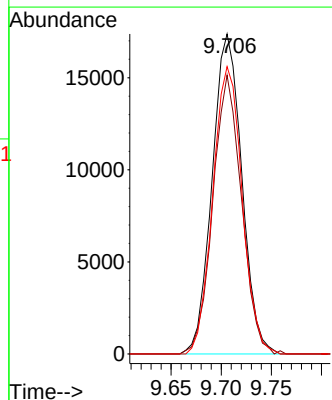
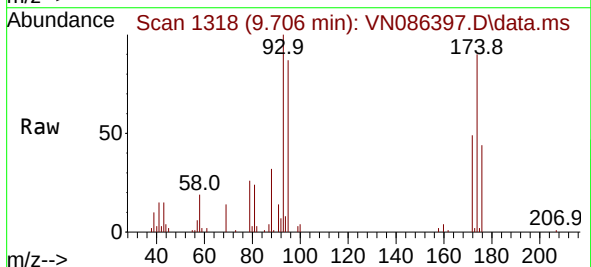
Manual Integrations
APPROVED

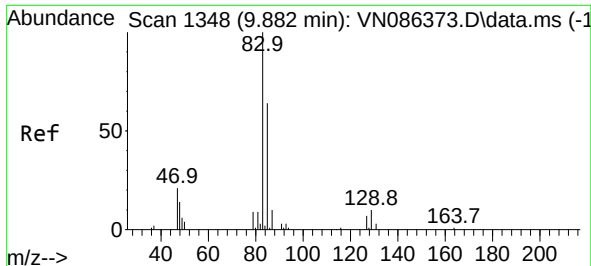
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#40
Dibromomethane
Concen: 19.218 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 93 Resp: 35726
Ion Ratio Lower Upper
93 100
95 83.9 0.0 159.2
174 89.0 0.0 171.4





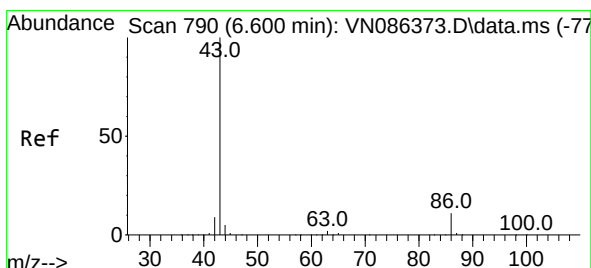
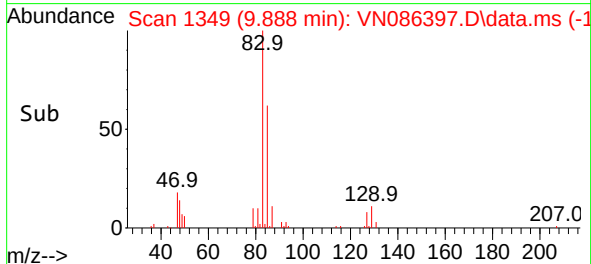
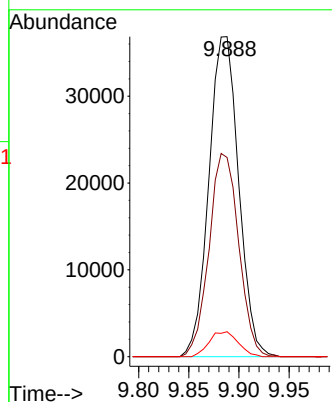
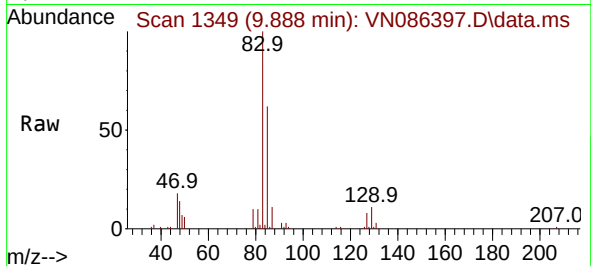
#41
Bromodichloromethane
Concen: 19.332 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 83 Resp: 76054
Ion Ratio Lower Upper
83 100
85 62.3 51.1 76.7
127 7.8 5.9 8.9

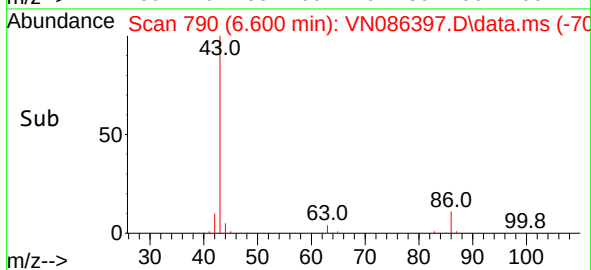
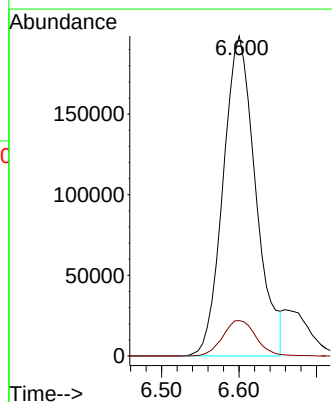
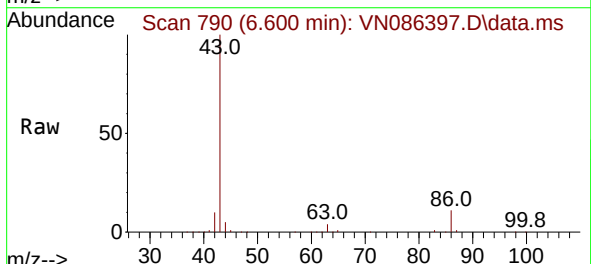
Manual Integrations
APPROVED

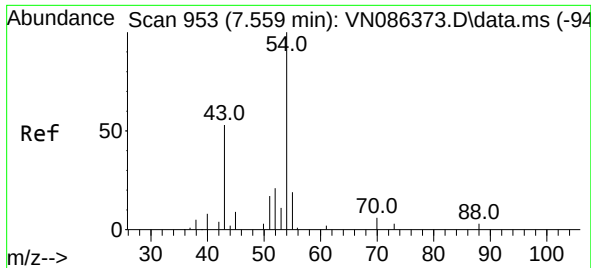
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 97.621 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 43 Resp: 580685
Ion Ratio Lower Upper
43 100
86 11.3 8.9 13.3





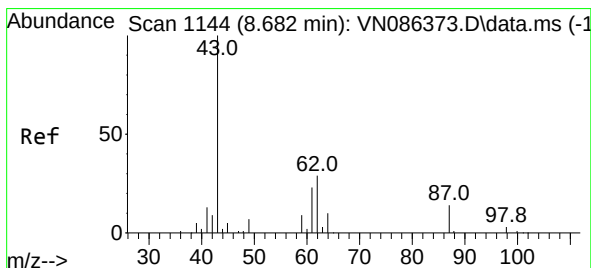
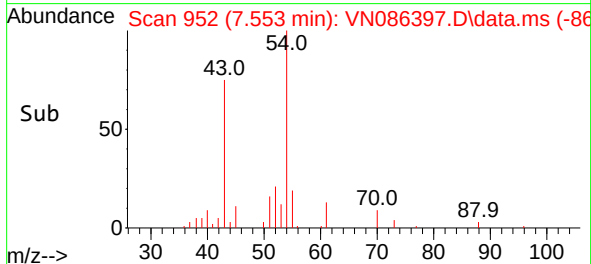
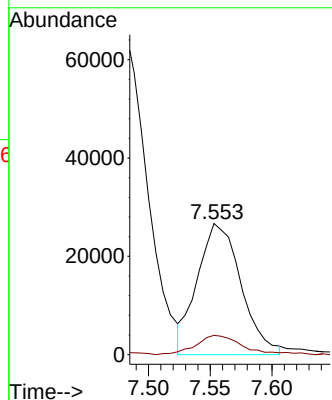
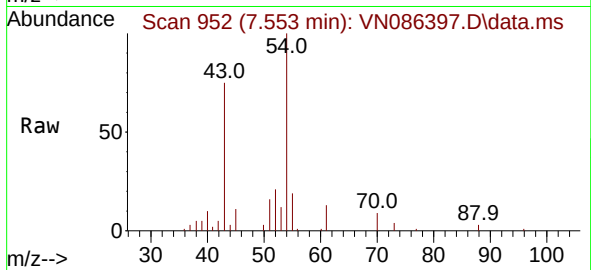
#43
Ethyl Acetate
Concen: 19.345 ug/l m
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 65738
Ion Ratio Lower Upper
43 100
45 15.9 11.4 17.2

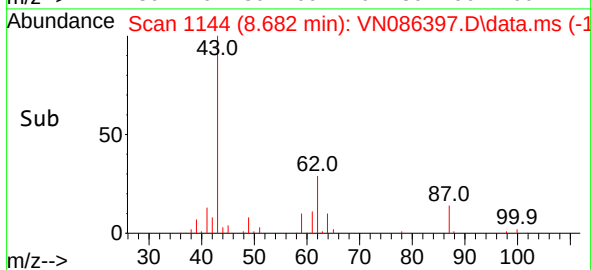
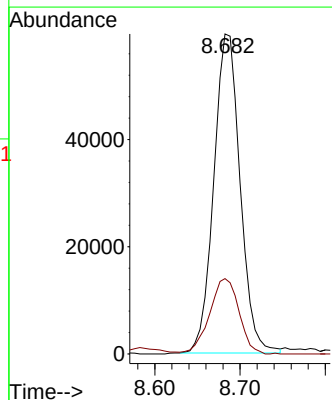
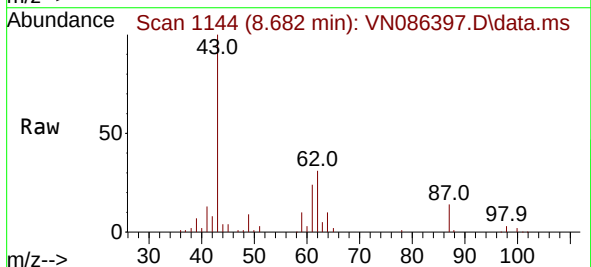
Manual Integrations
APPROVED

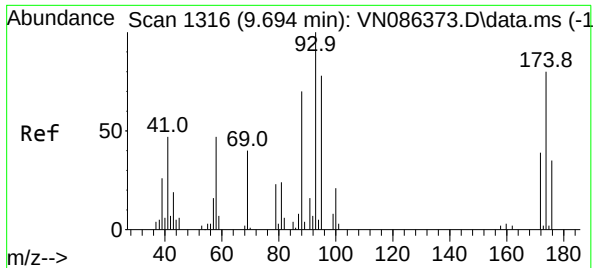
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#44
Isopropyl Acetate
Concen: 19.862 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

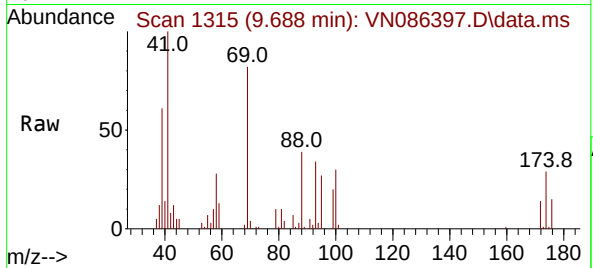
Tgt Ion: 43 Resp: 128098
Ion Ratio Lower Upper
43 100
61 26.3 21.0 31.4





#45
1,4-Dioxane
Concen: 358.521 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

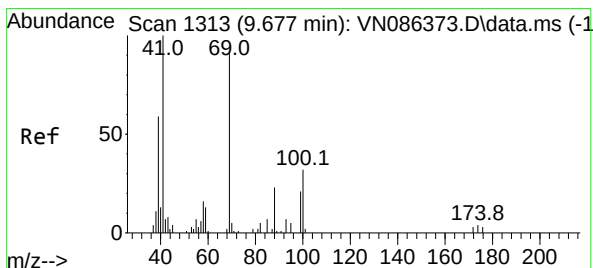
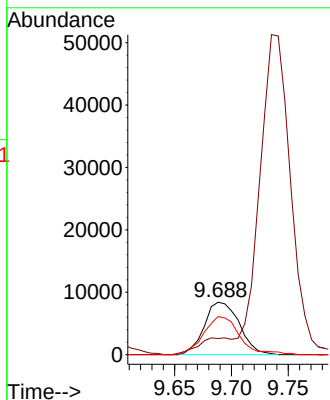
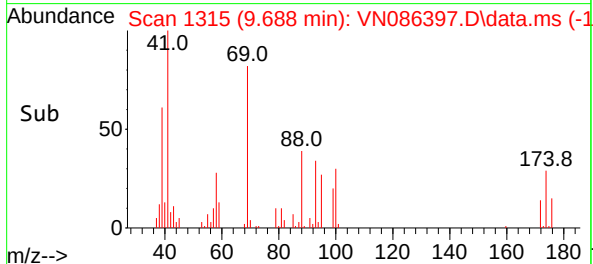
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



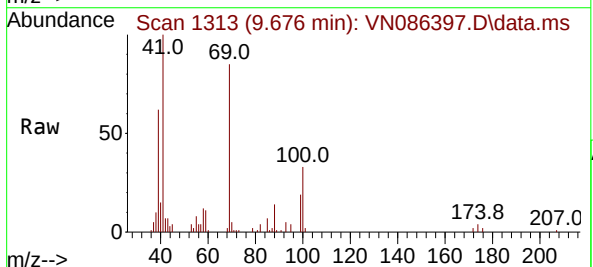
Tgt Ion: 88 Resp: 1804
Ion Ratio Lower Upper
88 100
43 30.7 24.9 37.3
58 70.8 57.8 86.8

Manual Integrations
APPROVED

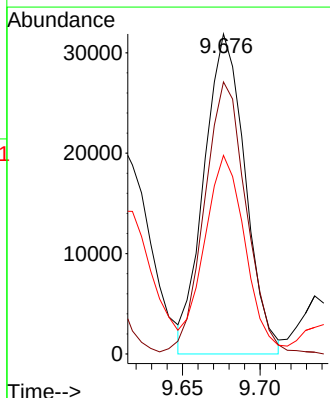
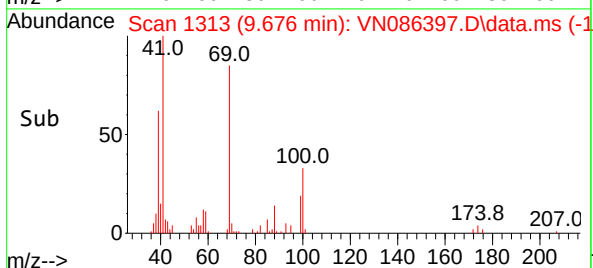
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

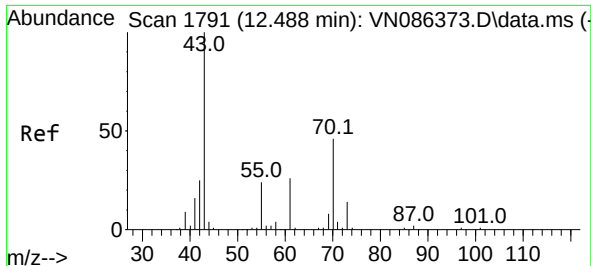


#46
Methyl methacrylate
Concen: 19.724 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion: 41 Resp: 58679
Ion Ratio Lower Upper
41 100
69 85.8 44.1 132.3
39 62.0 30.0 90.1





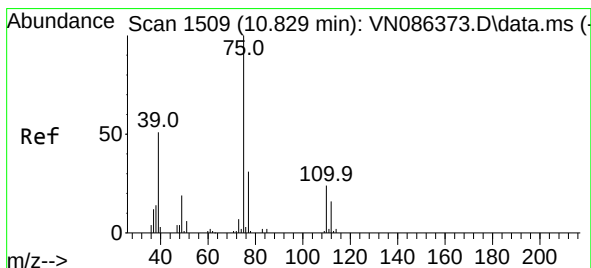
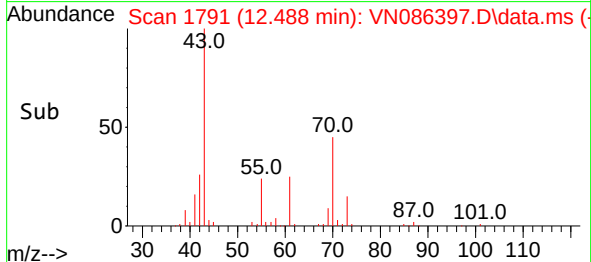
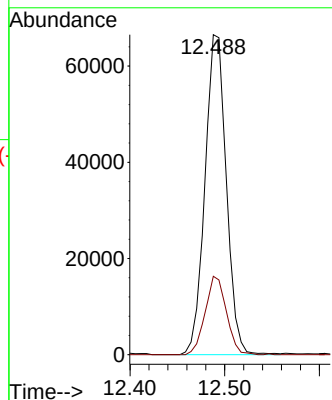
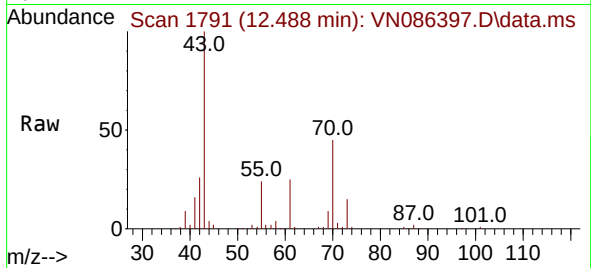
#47
n-amyl acetate
Concen: 19.010 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 10449
Ion Ratio Lower Upper
43 100
55 24.2 19.4 29.0

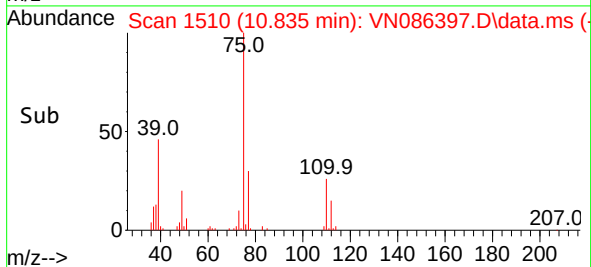
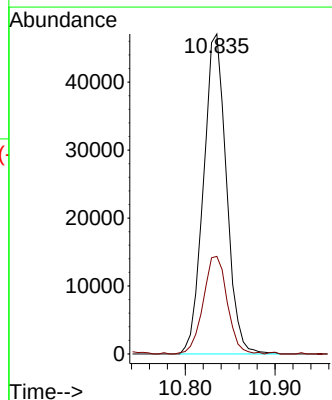
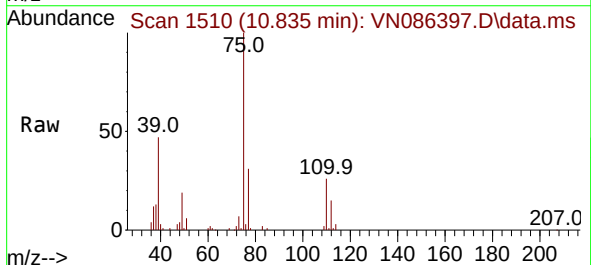
Manual Integrations
APPROVED

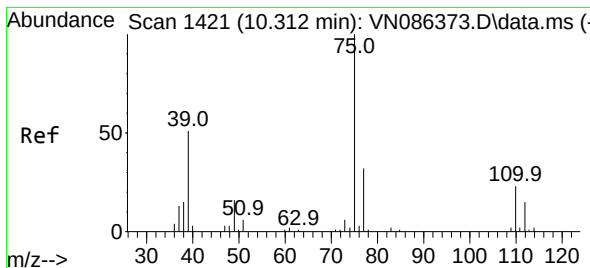
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#48
t-1,3-Dichloropropene
Concen: 18.996 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

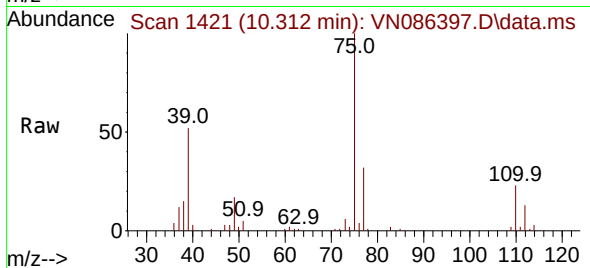
Tgt Ion: 75 Resp: 83550
Ion Ratio Lower Upper
75 100
77 30.5 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 18.973 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN086397.D
 Acq: 24 Apr 2025 16:35

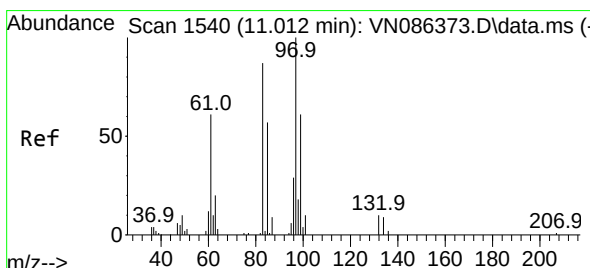
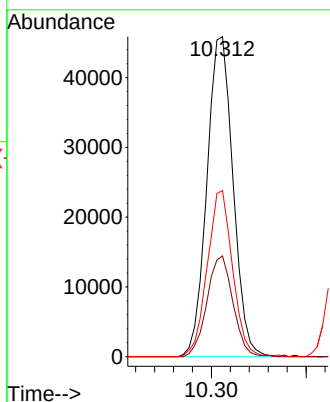
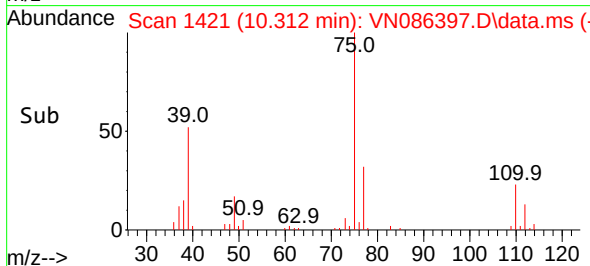
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 87997
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 52.0 40.6 60.8

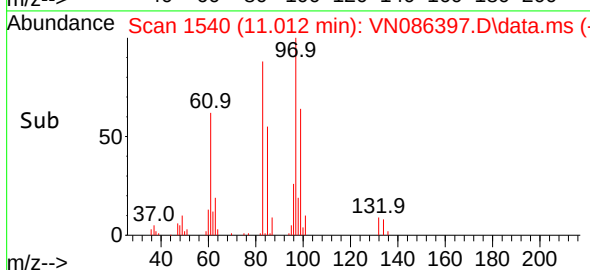
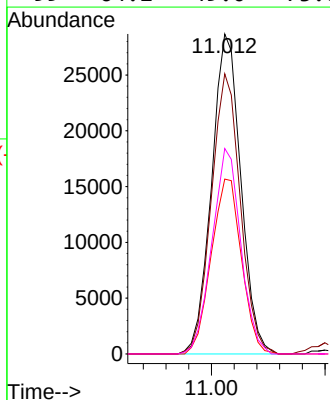
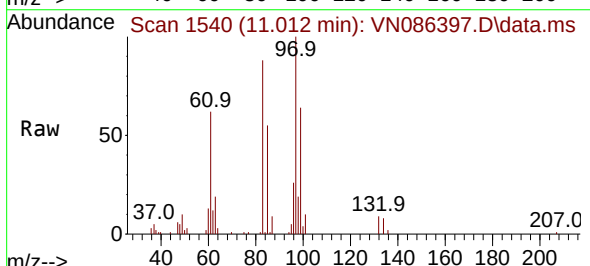
Manual Integrations
 APPROVED

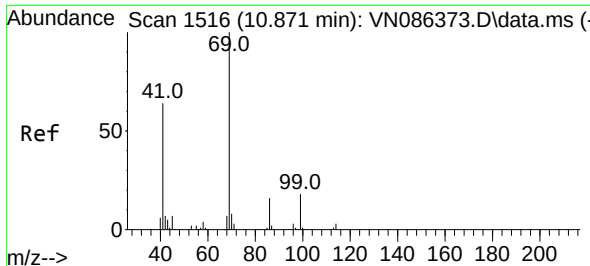
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 19.756 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086397.D
 Acq: 24 Apr 2025 16:35

Tgt Ion: 97 Resp: 51299
 Ion Ratio Lower Upper
 97 100
 83 87.6 69.3 103.9
 85 54.7 45.5 68.3
 99 64.2 49.0 73.6





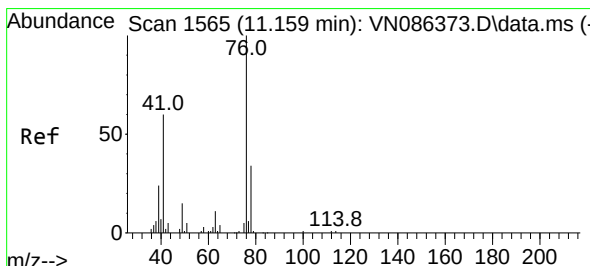
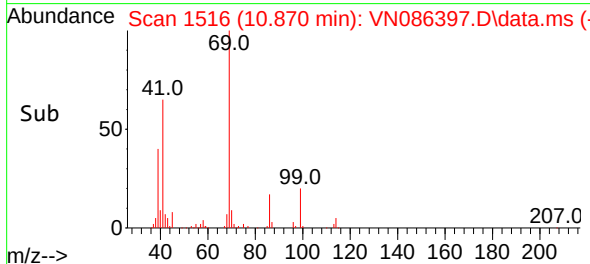
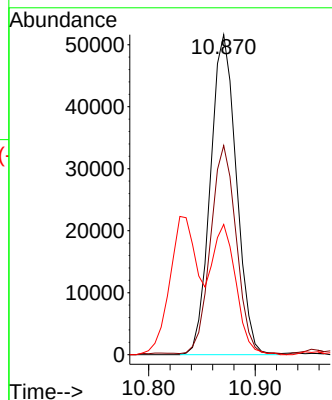
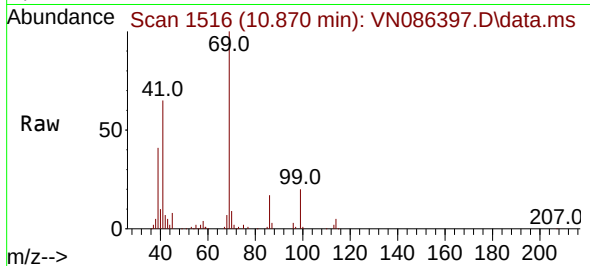
#51
Ethyl methacrylate
Concen: 19.354 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 69 Resp: 8752
Ion Ratio Lower Upper
69 100
41 65.0 32.3 96.8
39 40.7 19.1 57.1

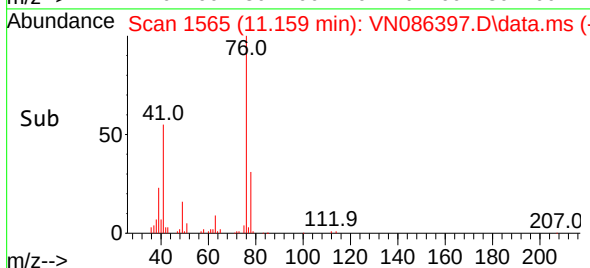
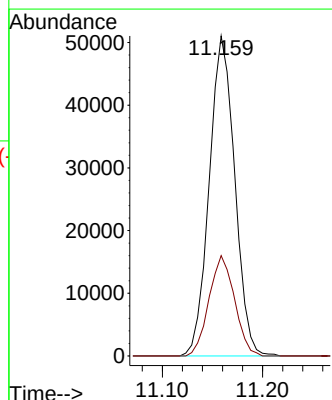
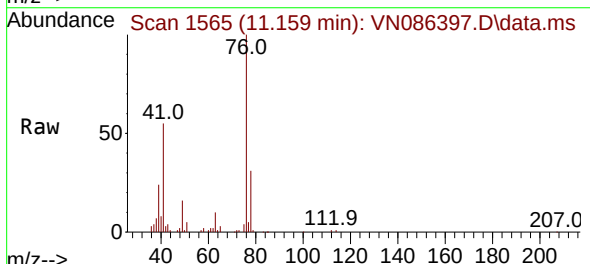
Manual Integrations
APPROVED

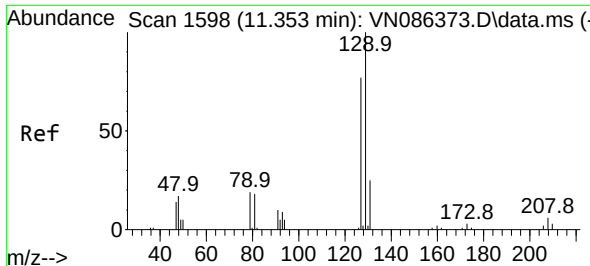
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 19.661 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

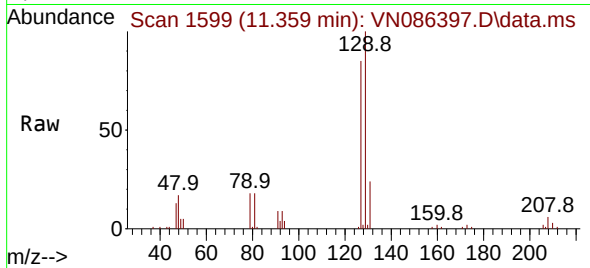
Tgt Ion: 76 Resp: 90229
Ion Ratio Lower Upper
76 100
78 31.4 0.0 65.6





#53
Dibromochloromethane
Concen: 18.920 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

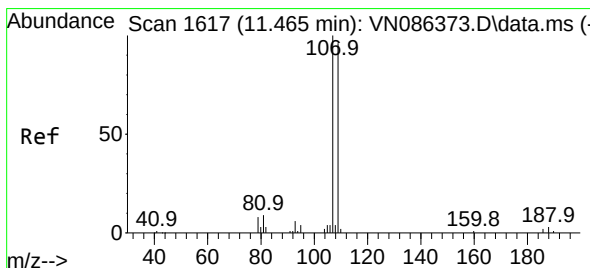
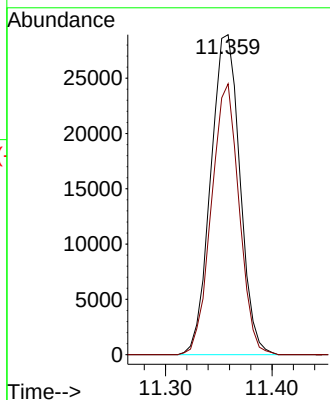
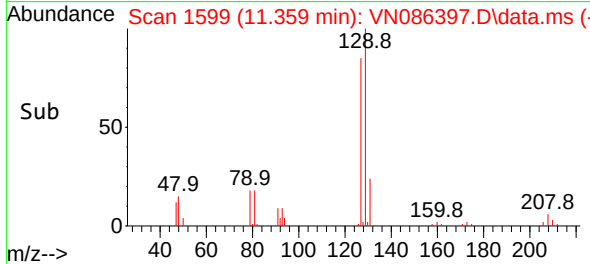
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:129 Resp: 55160
Ion Ratio Lower Upper
129 100
127 80.1 38.8 116.3

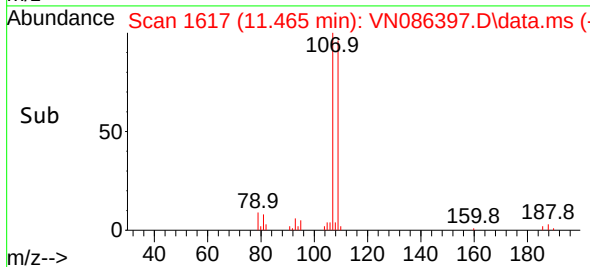
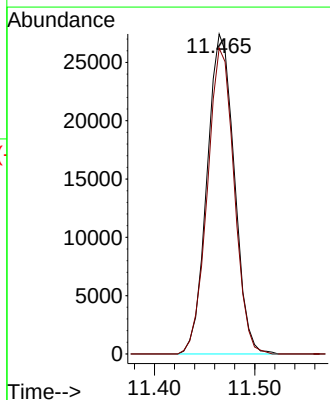
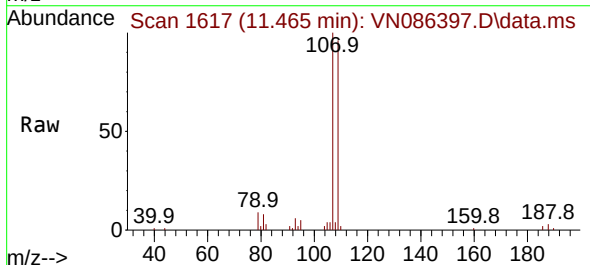
Manual Integrations
APPROVED

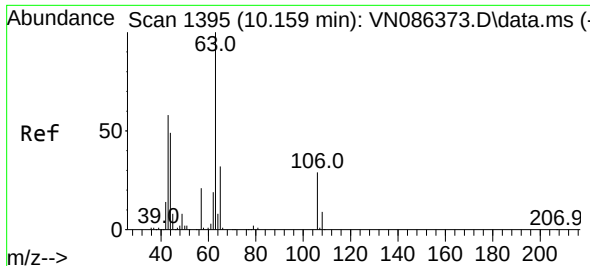
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#54
1,2-Dibromoethane
Concen: 19.631 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

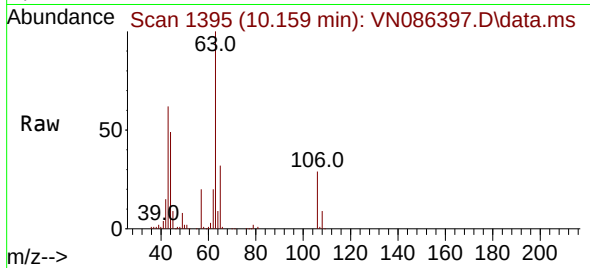
Tgt Ion:107 Resp: 51828
Ion Ratio Lower Upper
107 100
109 93.8 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 104.609 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

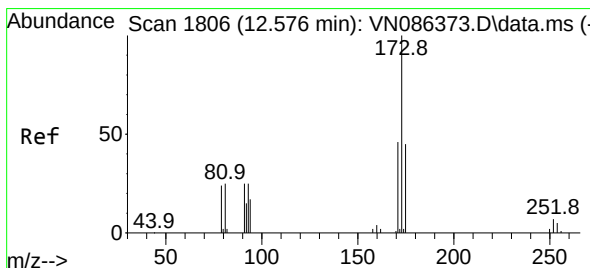
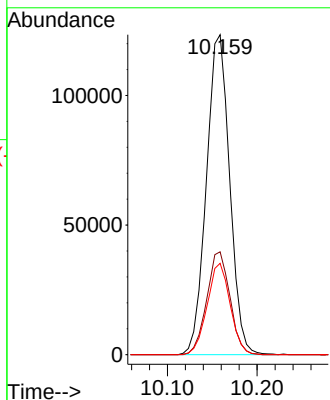
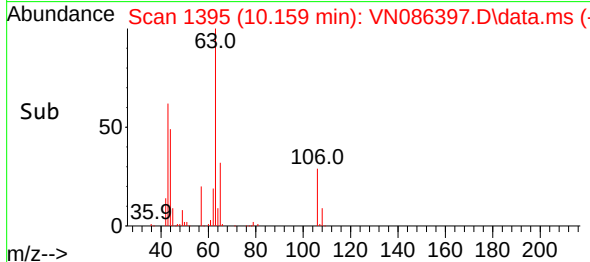
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 222420
Ion Ratio Lower Upper
63 100
65 31.9 25.7 38.5
106 28.2 22.3 33.5

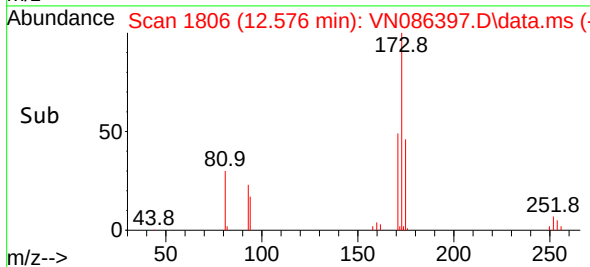
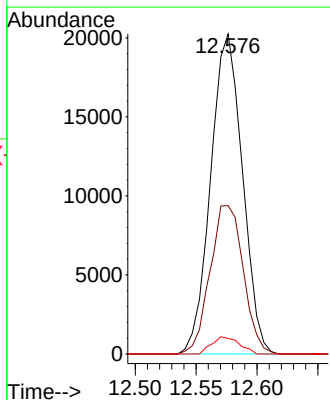
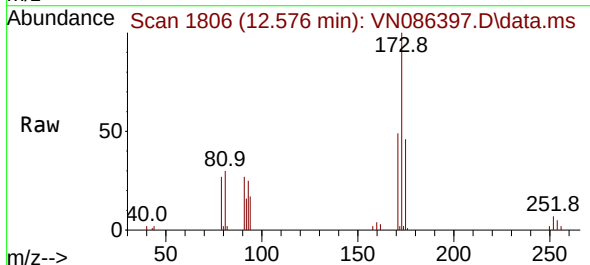
Manual Integrations
APPROVED

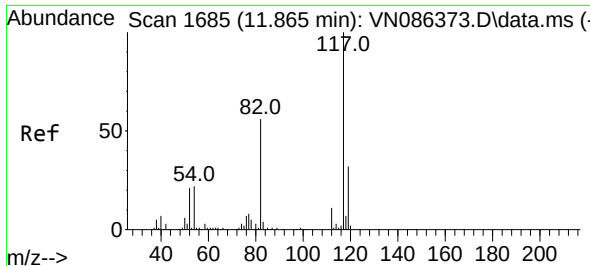
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 19.426 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

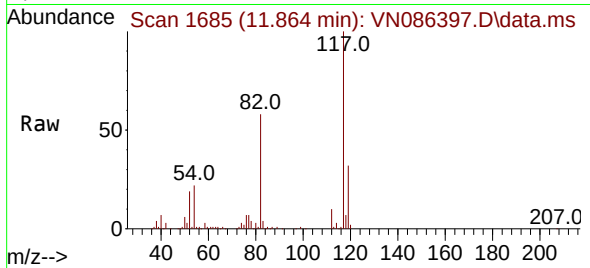
Tgt Ion:173 Resp: 36755
Ion Ratio Lower Upper
173 100
175 48.5 39.0 58.6
254 4.7 3.8 5.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

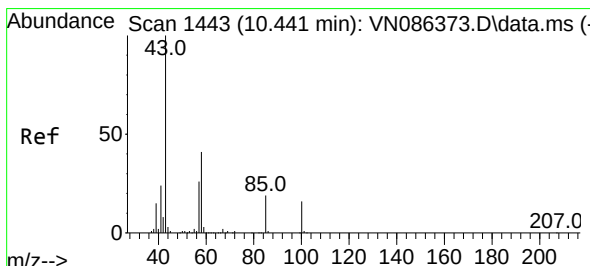
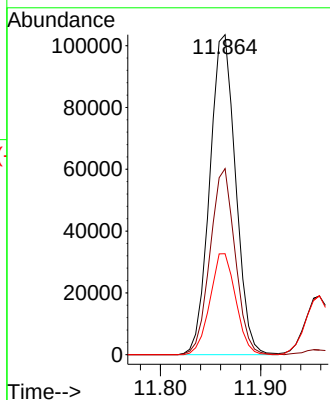
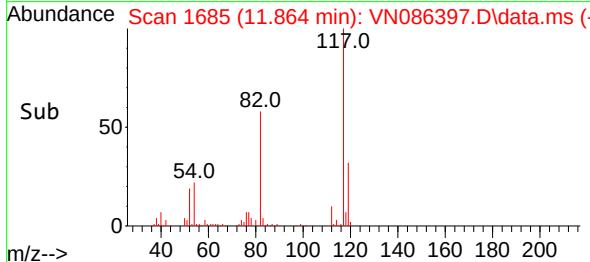
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 18562
Ion Ratio Lower Upper
117 100
82 56.4 45.5 68.3
119 31.4 25.9 38.9

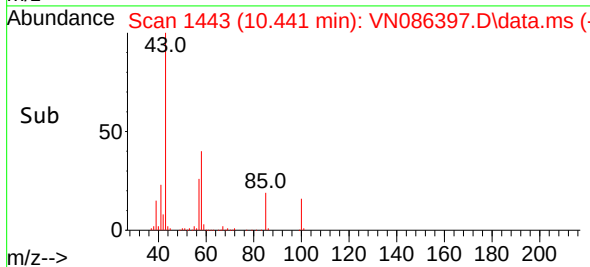
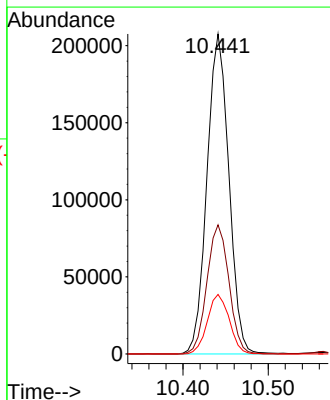
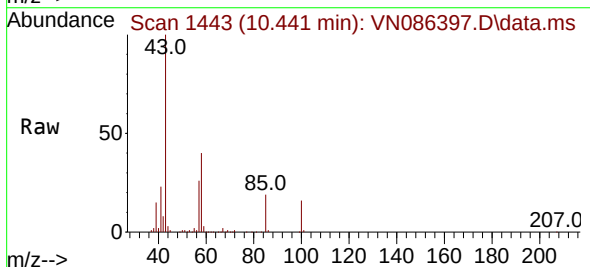
Manual Integrations
APPROVED

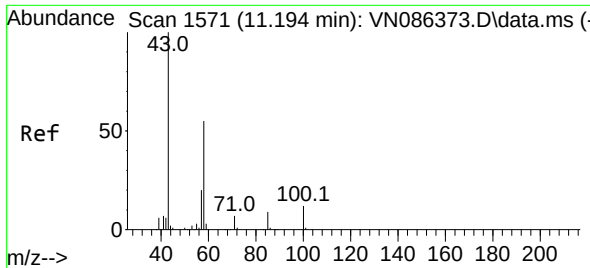
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 103.231 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

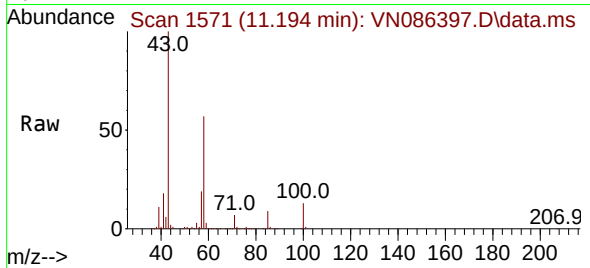
Tgt Ion: 43 Resp: 370811
Ion Ratio Lower Upper
43 100
58 40.5 33.0 49.6
85 18.6 14.9 22.3





#59
2-Hexanone
Concen: 102.813 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

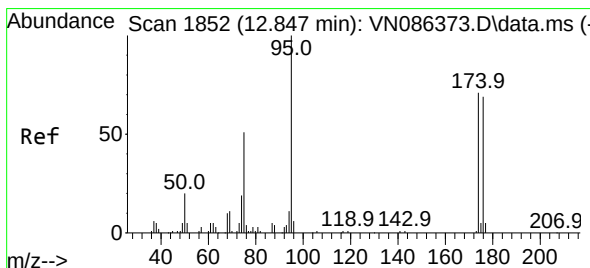
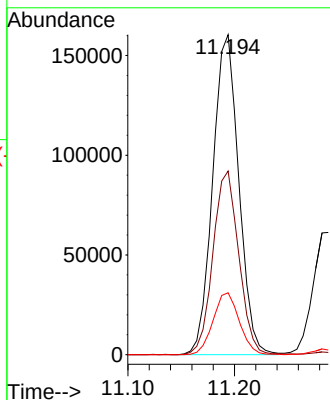
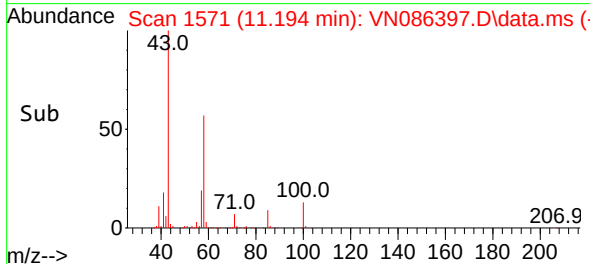
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



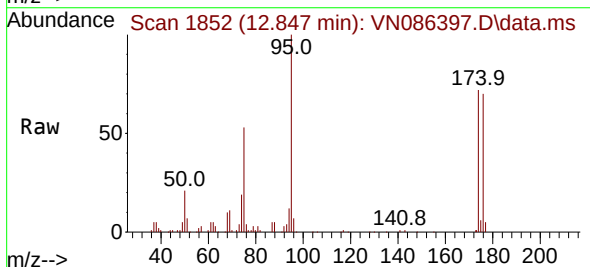
Tgt Ion: 43 Resp: 27215
Ion Ratio Lower Upper
43 100
58 56.9 45.0 67.6
57 19.5 15.5 23.3

Manual Integrations
APPROVED

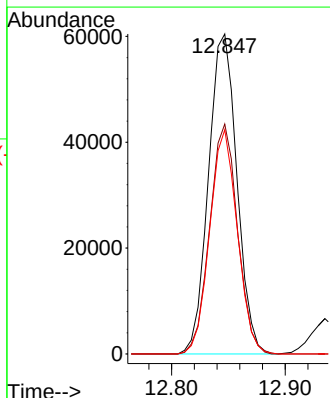
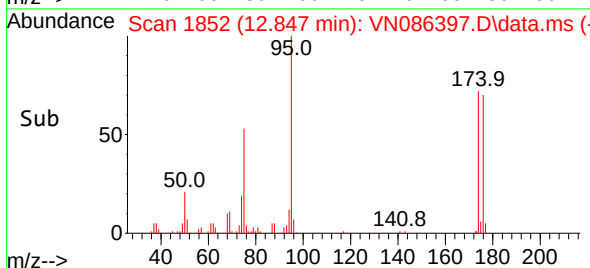
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

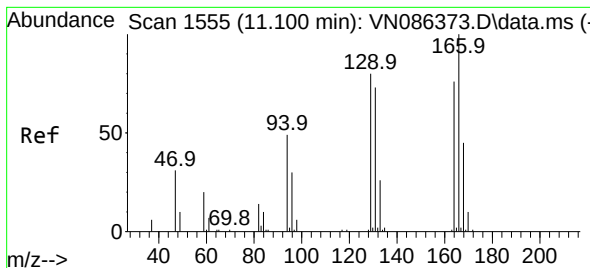


#60
4-Bromofluorobenzene
Concen: 28.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



Tgt Ion: 95 Resp: 105260
Ion Ratio Lower Upper
95 100
174 70.3 56.6 84.8
176 67.8 53.3 79.9





#61

Tetrachloroethene

Concen: 17.976 ug/l

RT: 11.100 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 50892

Ion Ratio Lower Upper

164 100

166 127.0 105.0 157.4

129 104.7 83.9 125.9

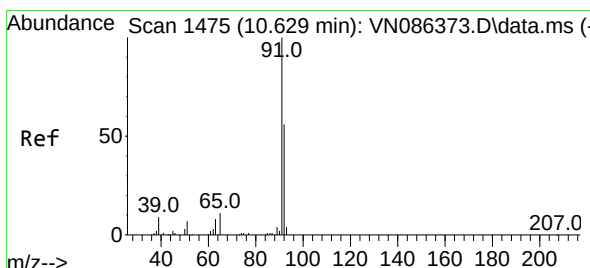
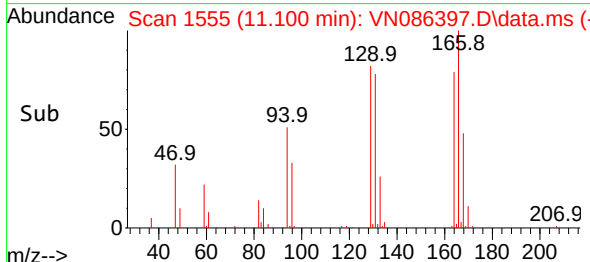
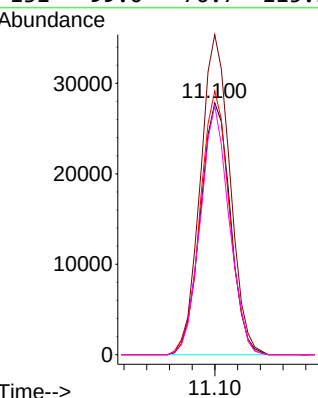
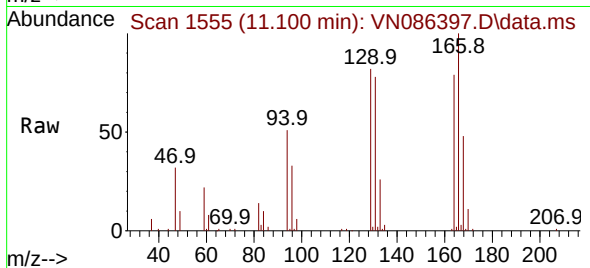
131 99.0 76.7 115.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#62

Toluene

Concen: 18.780 ug/l

RT: 10.623 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN086397.D

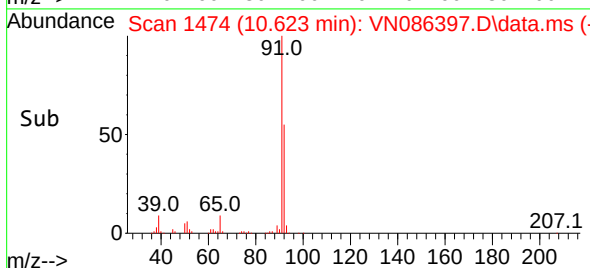
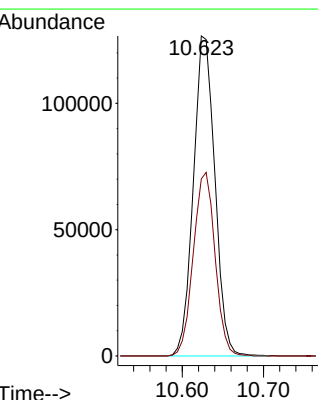
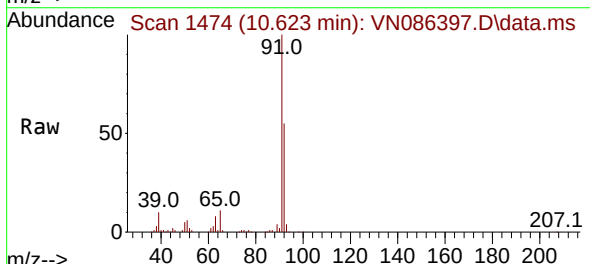
Acq: 24 Apr 2025 16:35

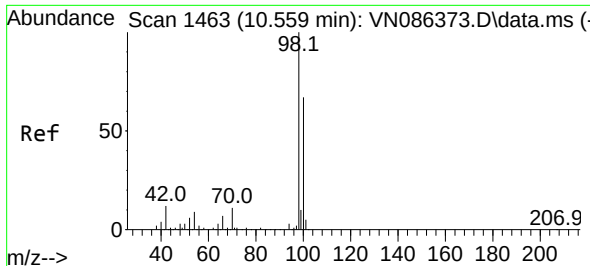
Tgt Ion: 91 Resp: 233340

Ion Ratio Lower Upper

91 100

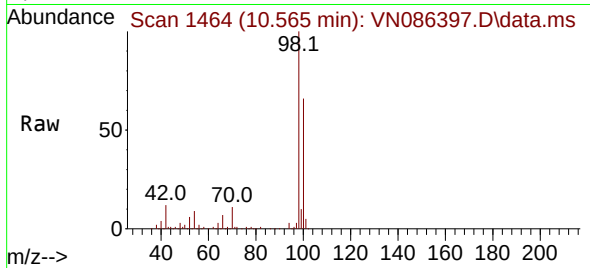
92 57.9 45.7 68.5





#63
Toluene-d8
Concen: 29.739 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

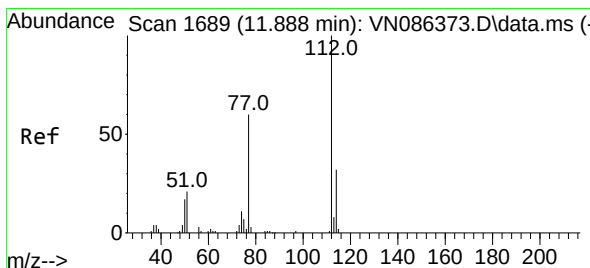
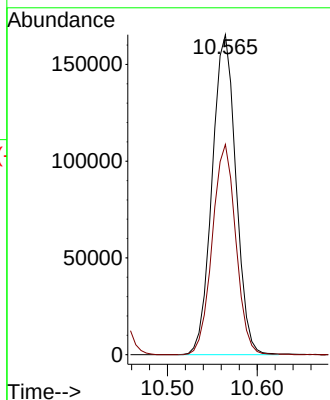
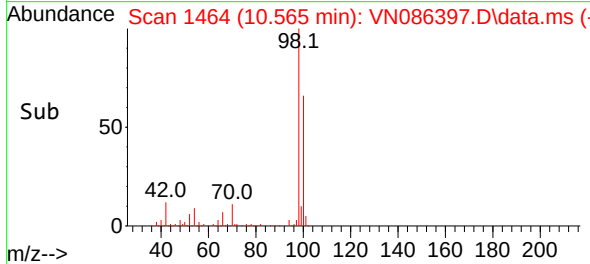
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 303689
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7

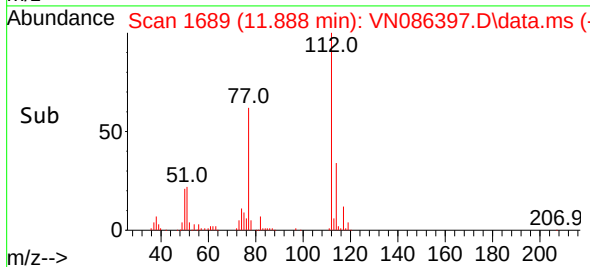
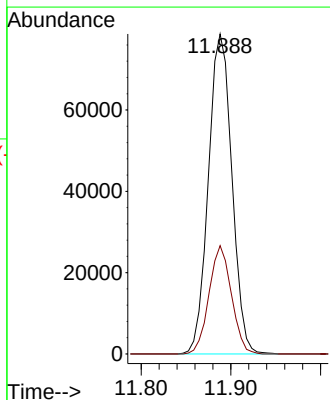
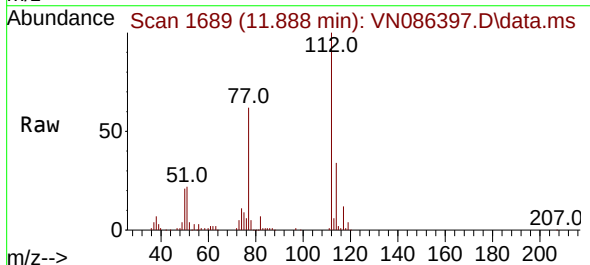
Manual Integrations
APPROVED

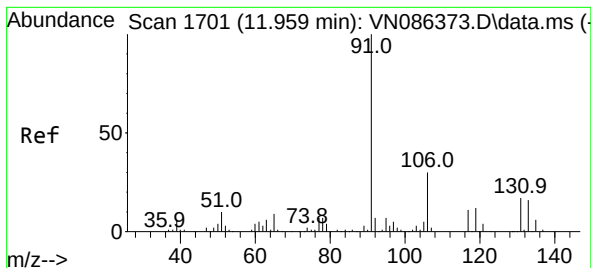
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 18.504 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion:112 Resp: 143256
Ion Ratio Lower Upper
112 100
114 33.8 25.6 38.4





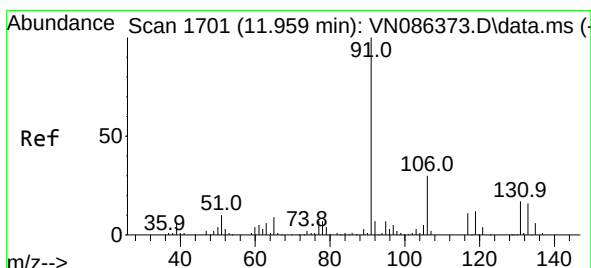
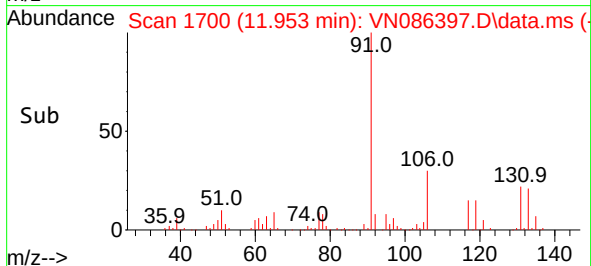
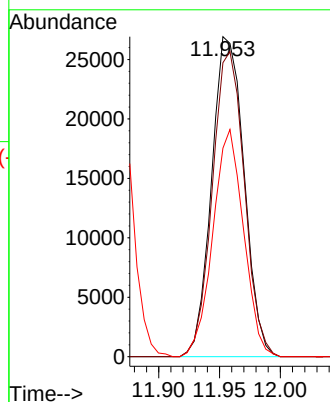
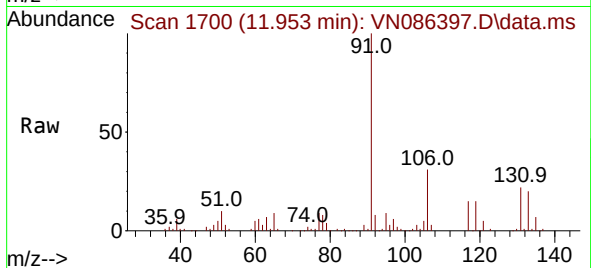
#65
1,1,1,2-Tetrachloroethane
Concen: 19.294 ug/l
RT: 11.953 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:131 Resp: 49944
Ion Ratio Lower Upper
131 100
133 94.1 0.0 191.4
119 67.3 0.0 133.6

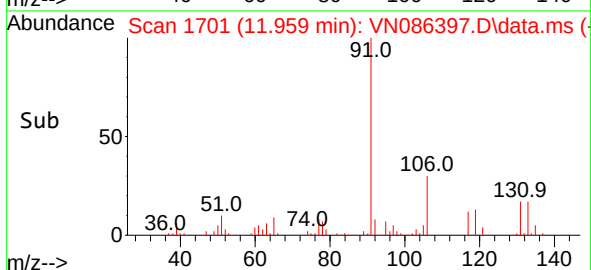
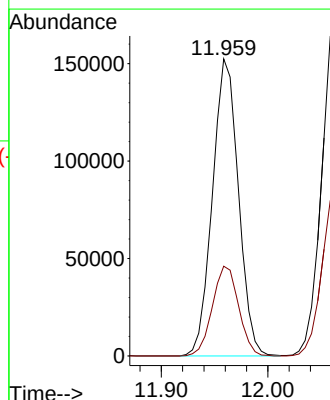
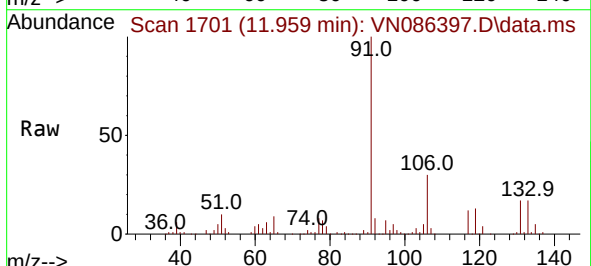
Manual Integrations
APPROVED

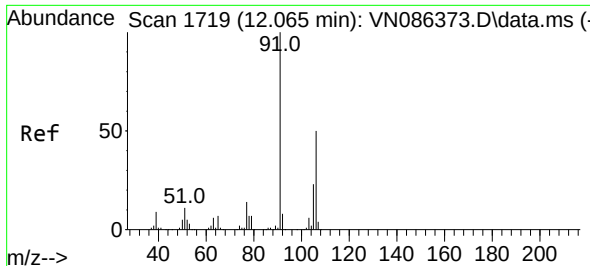
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 18.466 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 91 Resp: 258262
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5





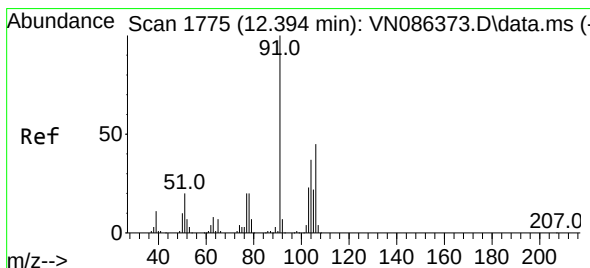
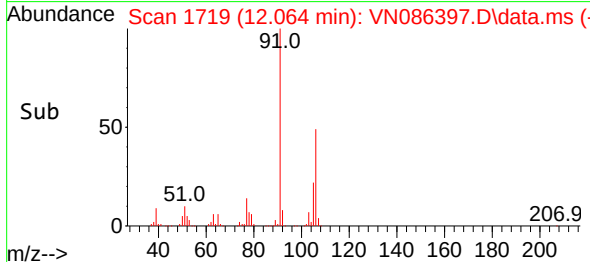
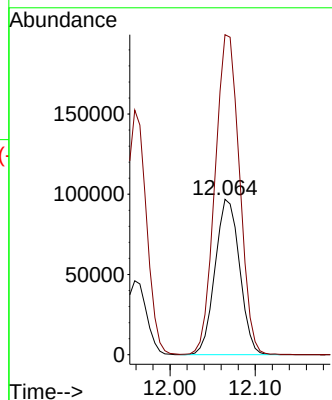
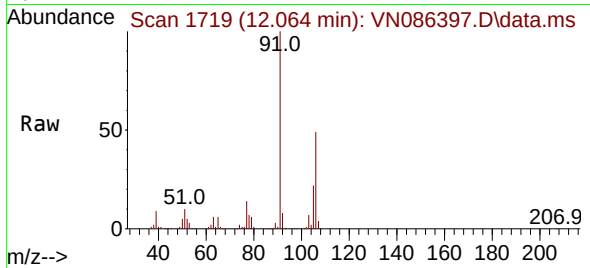
#67
m/p-Xylenes
Concen: 36.539 ug/l
RT: 12.064 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:106 Resp: 193892
Ion Ratio Lower Upper
106 100
91 205.8 162.6 243.8

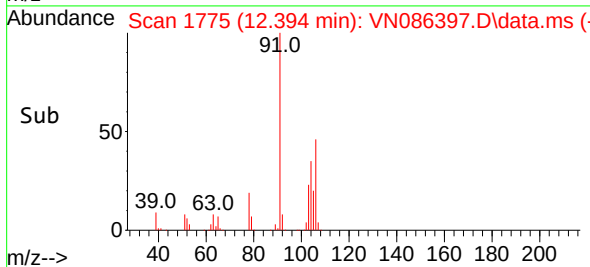
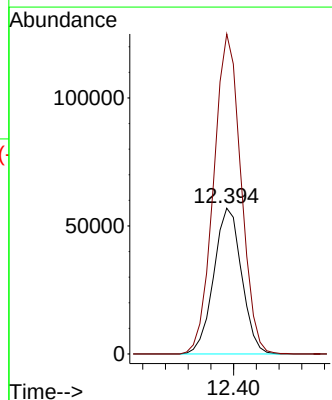
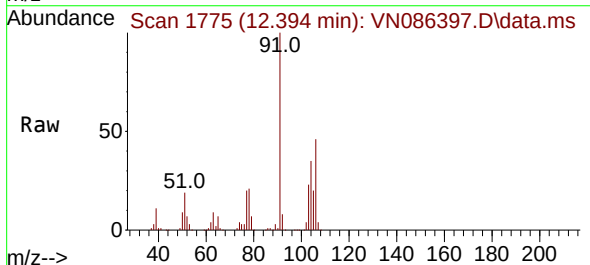
Manual Integrations
APPROVED

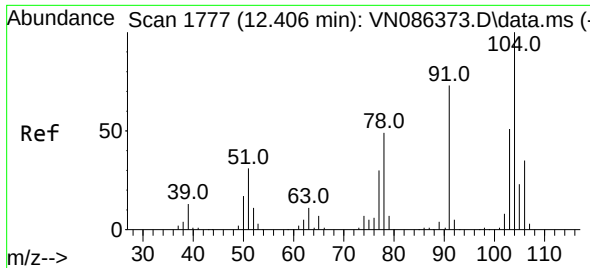
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 18.650 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion:106 Resp: 96902
Ion Ratio Lower Upper
106 100
91 215.5 110.6 331.6





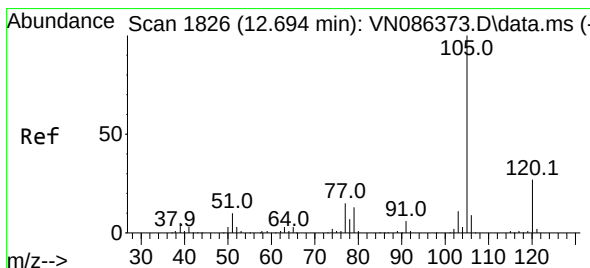
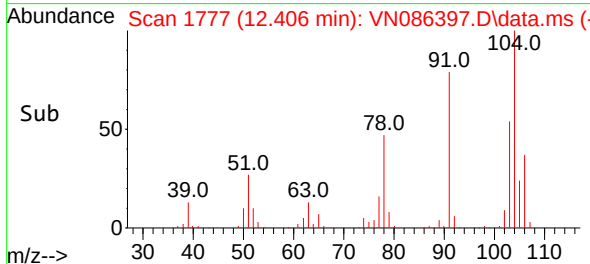
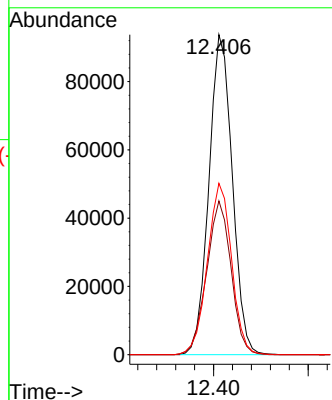
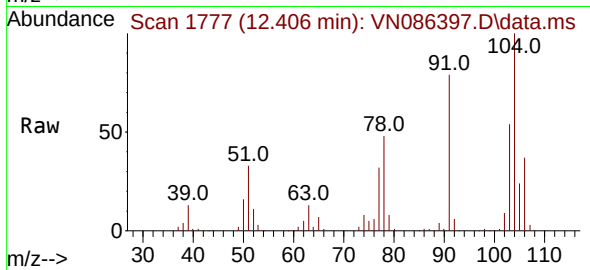
#69
Styrene
Concen: 18.234 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:104 Resp: 160580
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.4
103 55.4 43.8 65.8

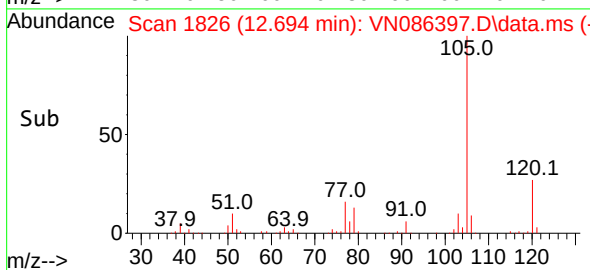
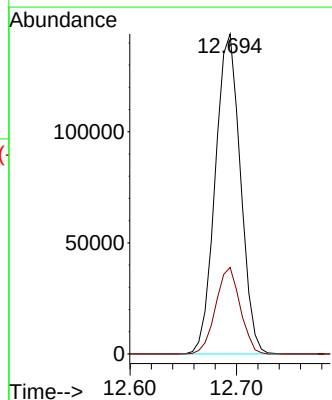
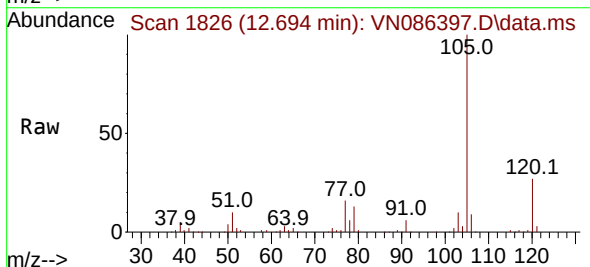
Manual Integrations
APPROVED

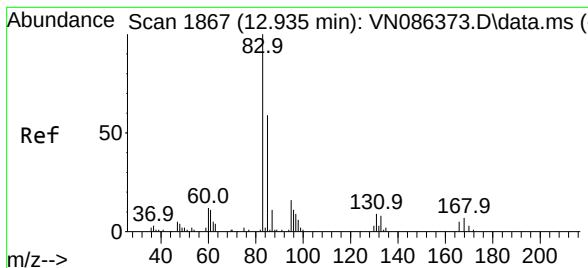
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#70
Isopropylbenzene
Concen: 18.204 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

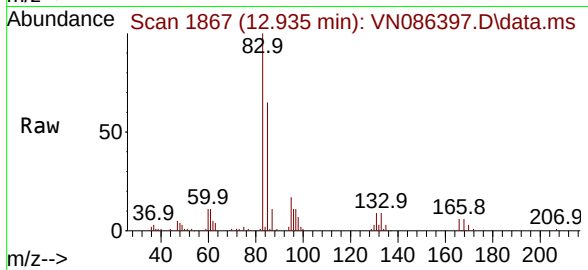
Tgt Ion:105 Resp: 236107
Ion Ratio Lower Upper
105 100
120 26.3 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 20.632 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

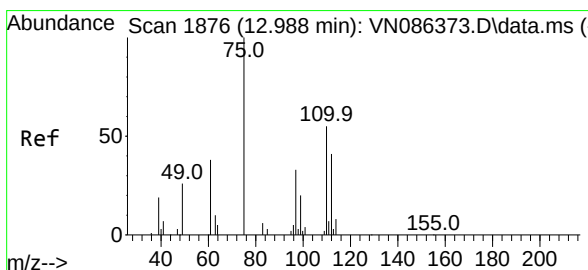
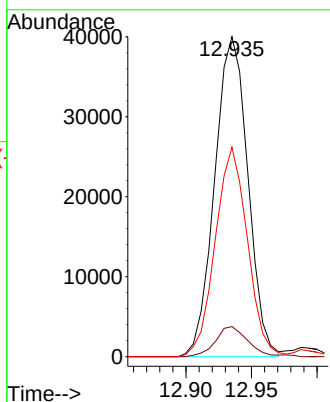
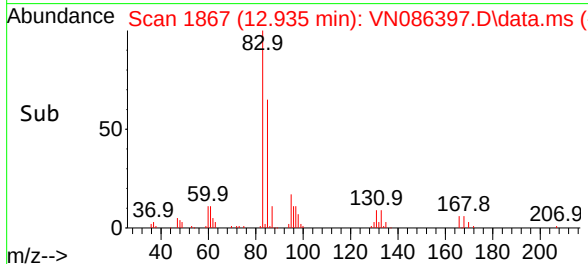
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 70460
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.7
85 63.4 31.7 95.1

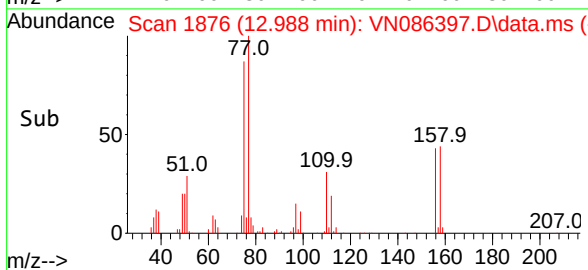
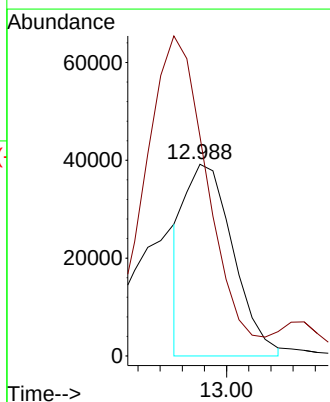
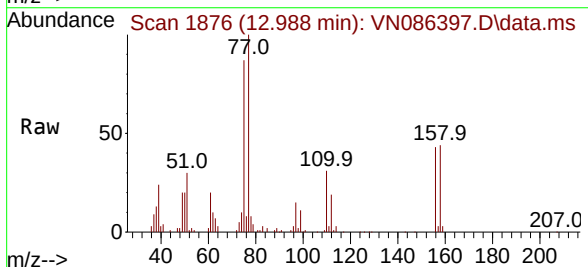
Manual Integrations
APPROVED

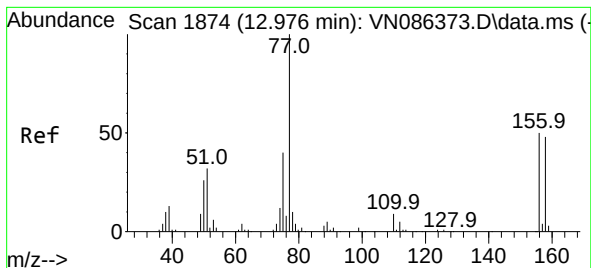
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 19.909 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion: 75 Resp: 59275
Ion Ratio Lower Upper
75 100
77 219.7 0.0 464.4





#73

Bromobenzene

Concen: 18.789 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

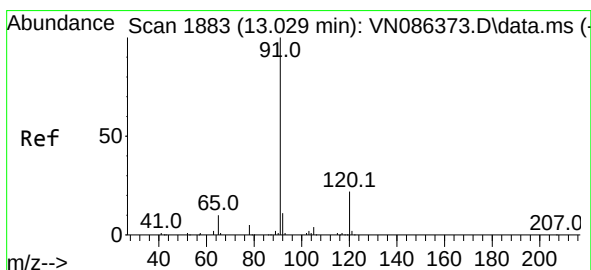
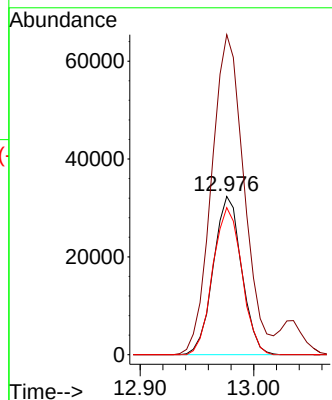
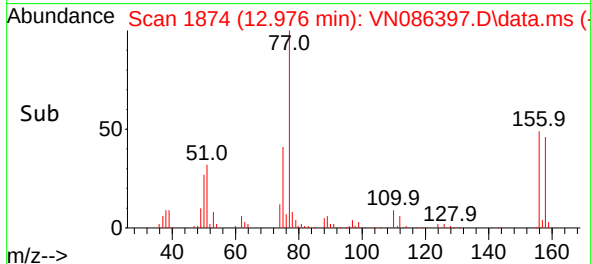
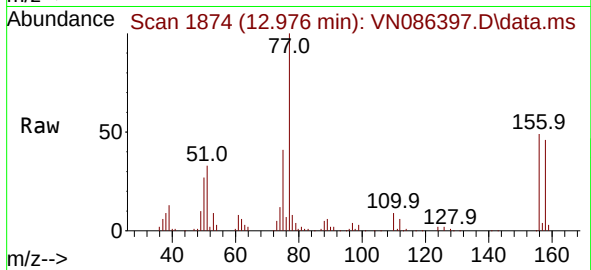
Tgt Ion:	156	Resp:	56024
Ion Ratio	Lower	Upper	
156	100		
77	232.5	0.0	463.4
158	95.3	0.0	191.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#74

n-propylbenzene

Concen: 18.106 ug/l

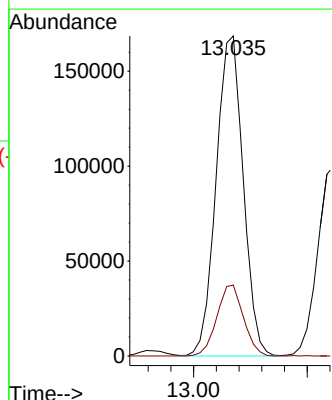
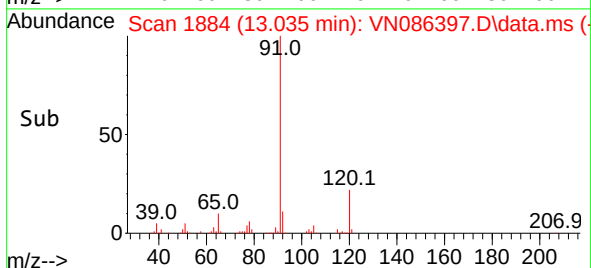
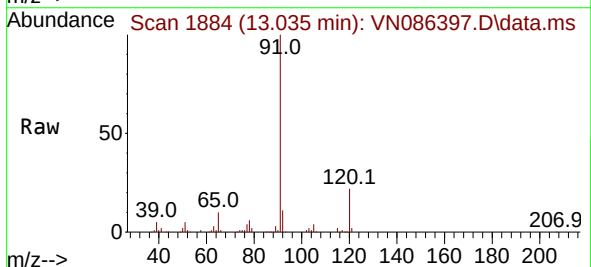
RT: 13.035 min Scan# 1884

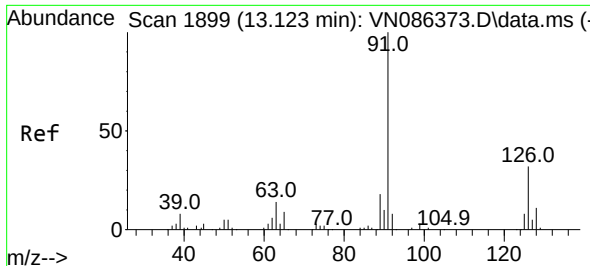
Delta R.T. 0.006 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Tgt Ion:	91	Resp:	279045
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	43.8





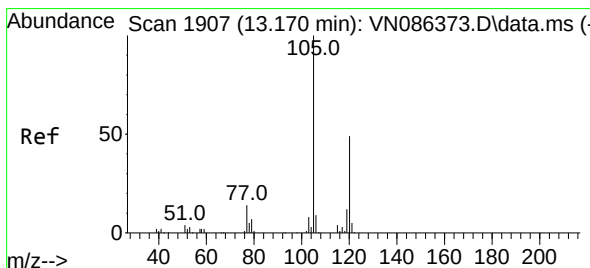
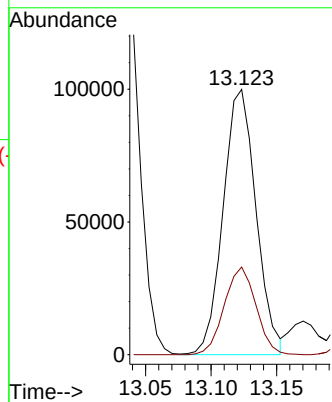
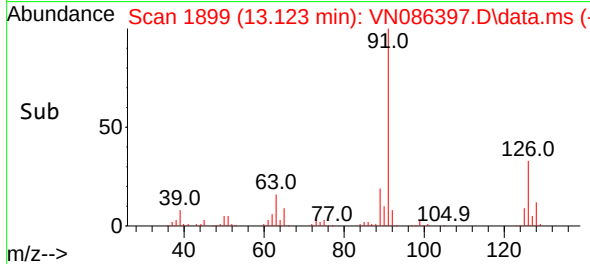
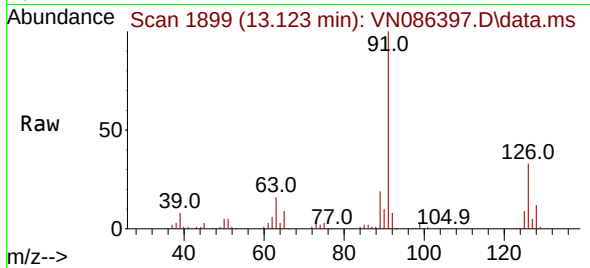
#75
2-Chlorotoluene
Concen: 18.143 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 17455
Ion Ratio Lower Upper
91 100
126 31.8 0.0 65.0

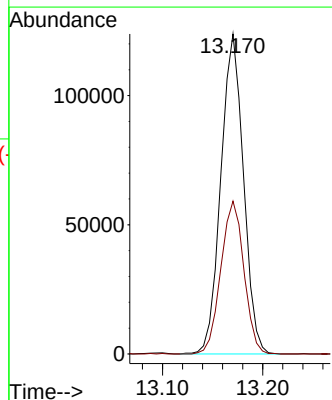
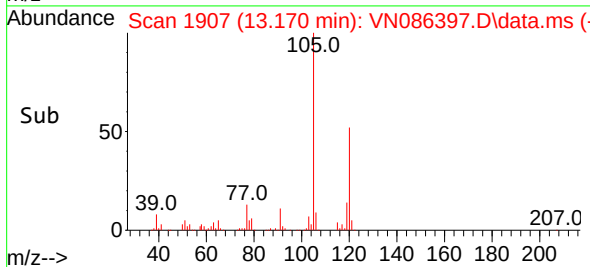
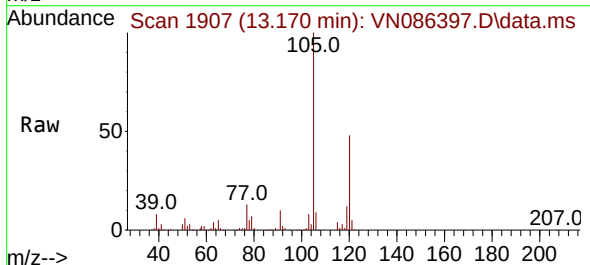
Manual Integrations
APPROVED

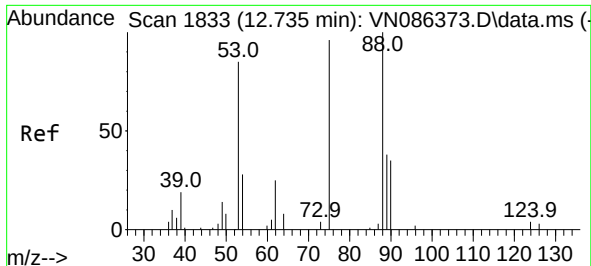
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 18.221 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

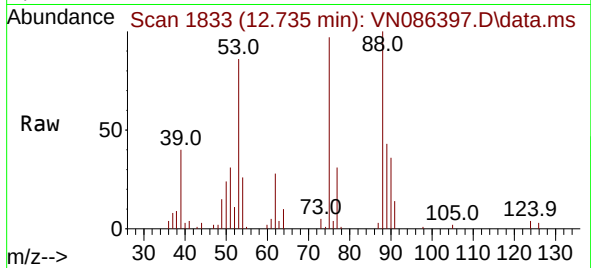
Tgt Ion:105 Resp: 193903
Ion Ratio Lower Upper
105 100
120 48.7 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.789 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

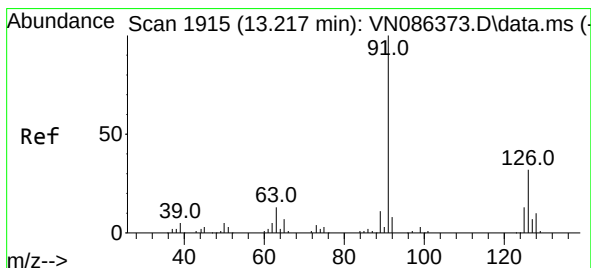
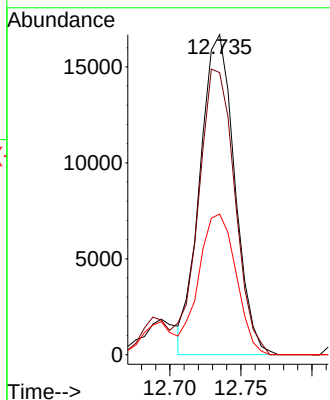
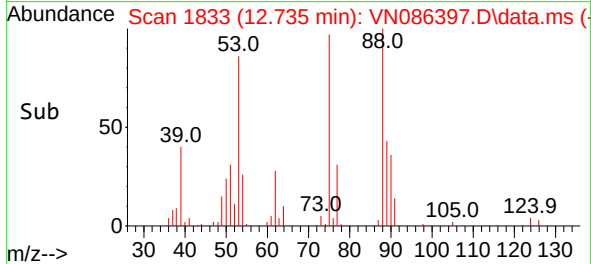
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



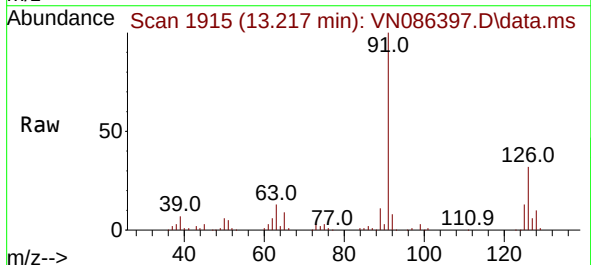
Tgt Ion: 75 Resp: 2839
Ion Ratio Lower Upper
75 100
53 88.2 46.0 138.0
89 44.0 21.6 64.6

Manual Integrations
APPROVED

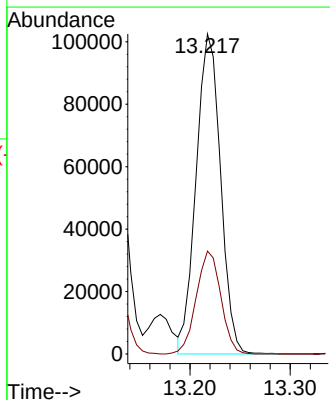
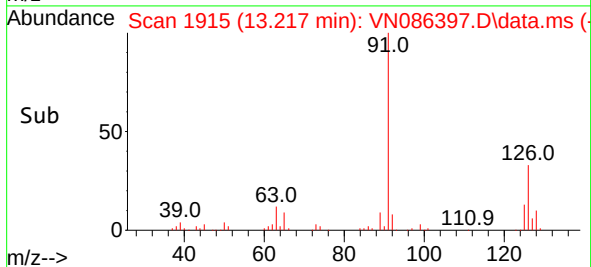
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

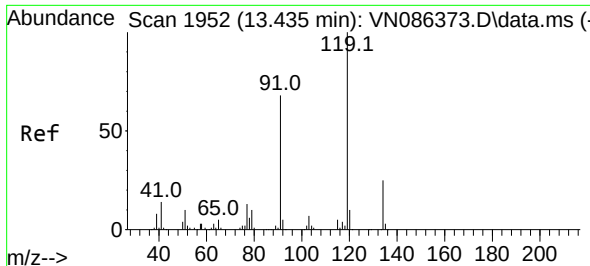


#78
4-Chlorotoluene
Concen: 18.059 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



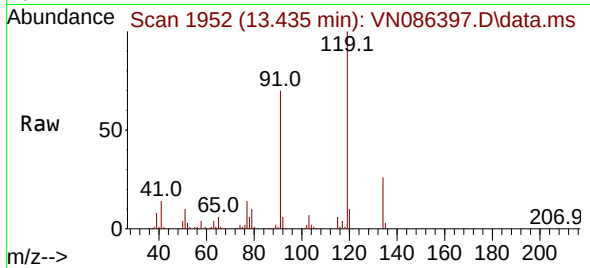
Tgt Ion: 91 Resp: 173723
Ion Ratio Lower Upper
91 100
126 32.2 0.0 65.4





#79
tert-butylbenzene
Concen: 17.907 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

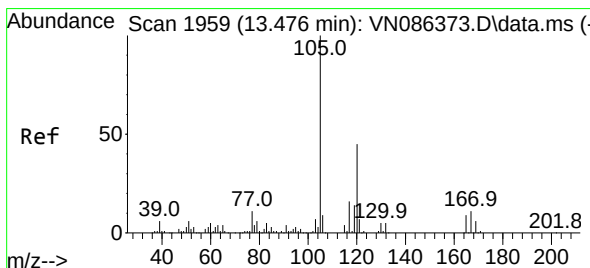
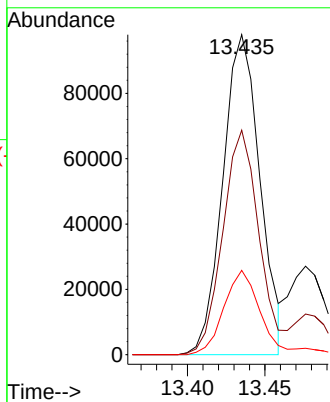
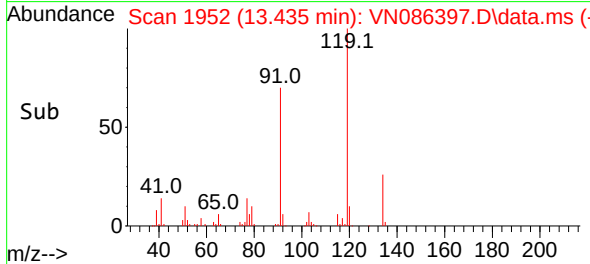
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



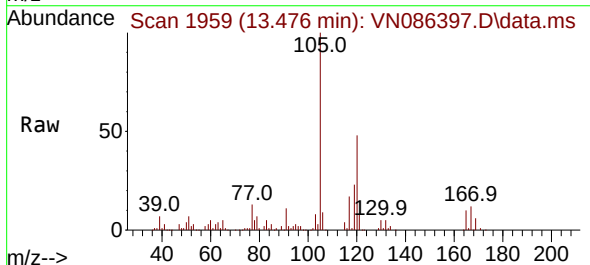
Tgt Ion:119 Resp: 163207
Ion Ratio Lower Upper
119 100
91 69.3 0.0 137.4
134 25.1 0.0 49.2

Manual Integrations
APPROVED

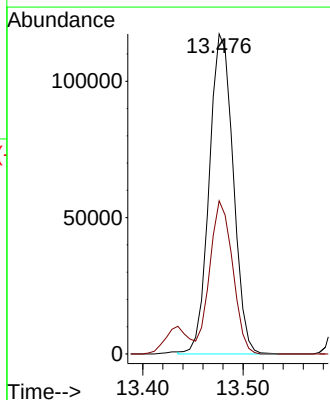
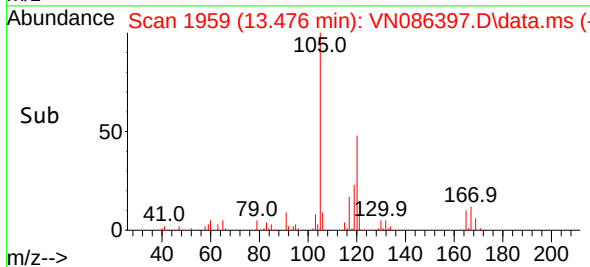
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

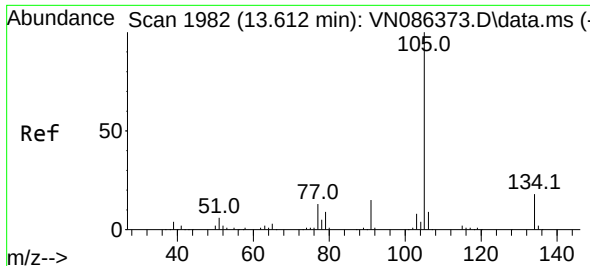


#80
1,2,4-Trimethylbenzene
Concen: 17.923 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



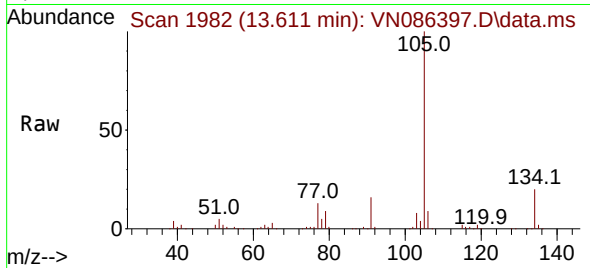
Tgt Ion:105 Resp: 194793
Ion Ratio Lower Upper
105 100
120 45.5 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 18.007 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086397.D
 Acq: 24 Apr 2025 16:35

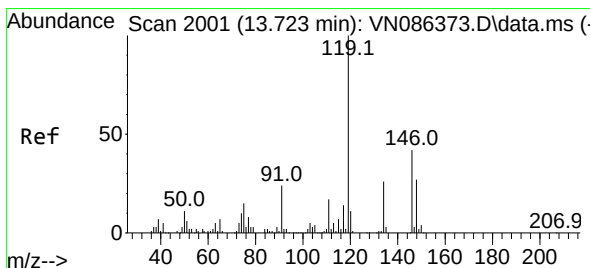
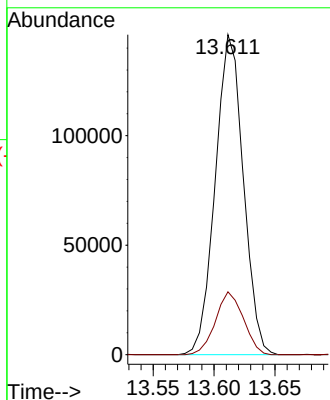
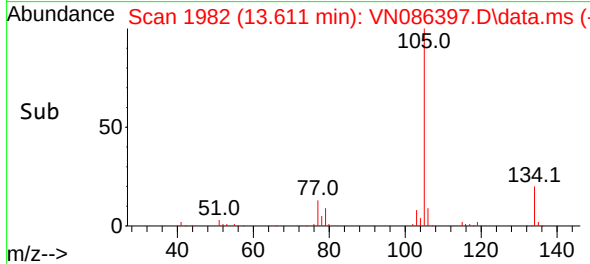
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



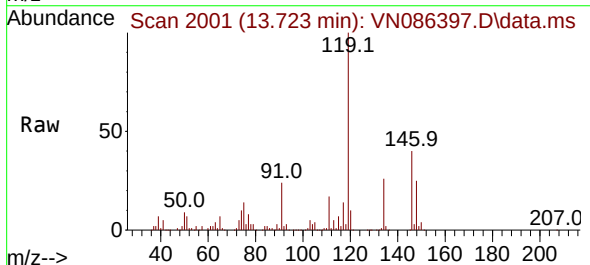
Tgt Ion:105 Resp: 234270
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 38.4

Manual Integrations
 APPROVED

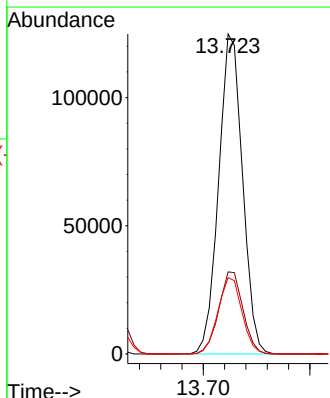
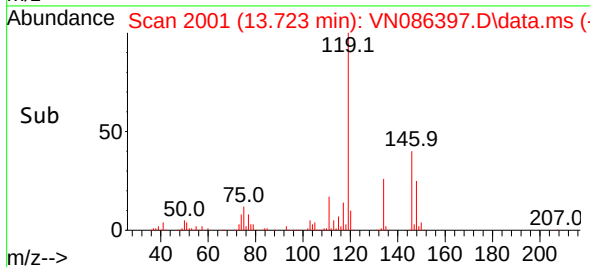
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025

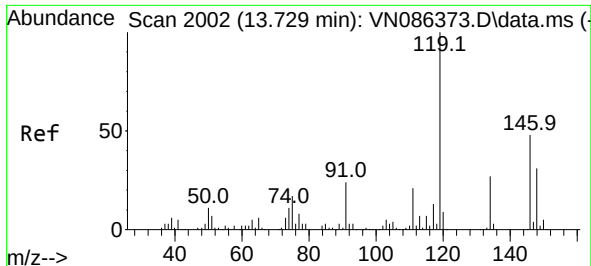


#82
 p-Isopropyltoluene
 Concen: 17.834 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086397.D
 Acq: 24 Apr 2025 16:35



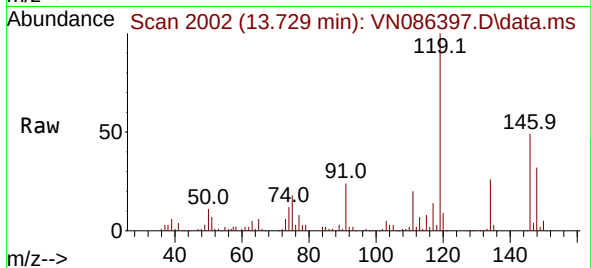
Tgt Ion:119 Resp: 194150
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 52.2
 91 24.1 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 17.822 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

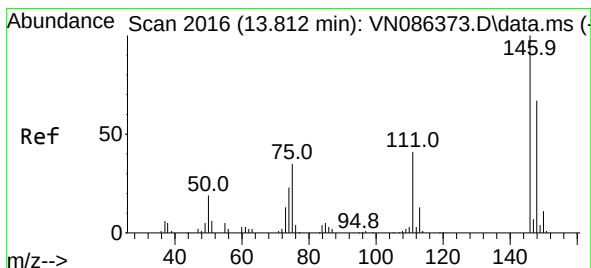
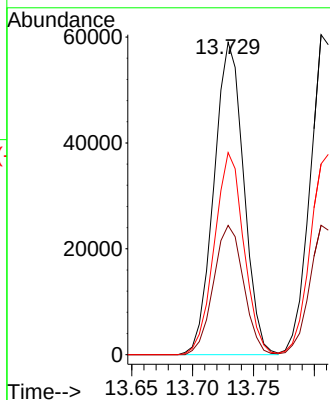
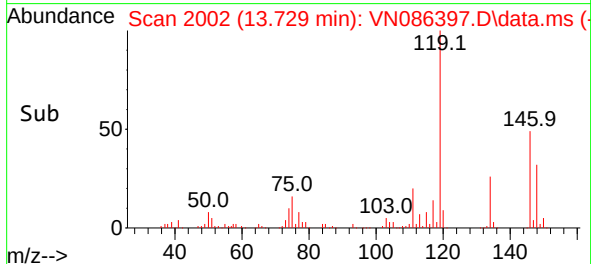
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



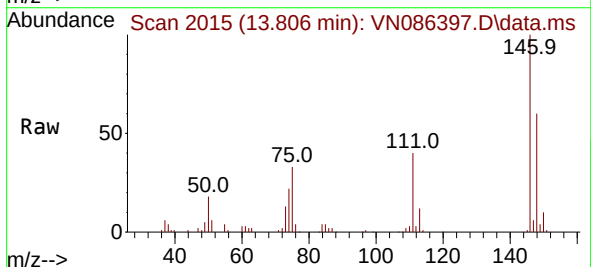
Tgt Ion:146 Resp: 10045
Ion Ratio Lower Upper
146 100
111 41.8 20.7 62.1
148 64.1 32.3 96.8

Manual Integrations
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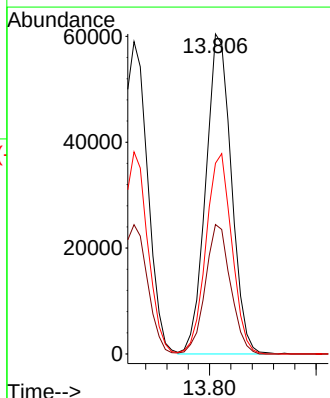
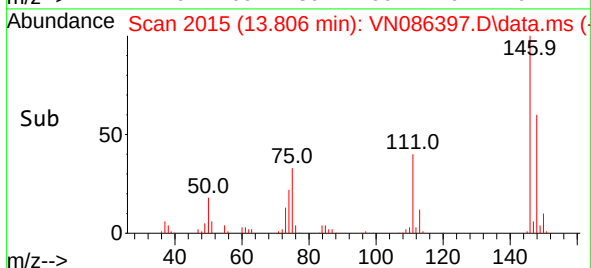
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

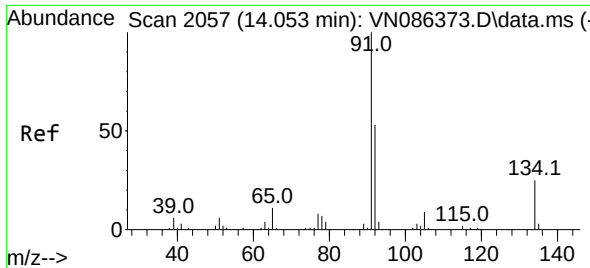


#84
1,4-Dichlorobenzene
Concen: 18.152 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



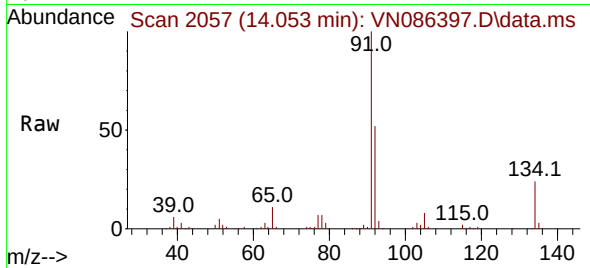
Tgt Ion:146 Resp: 101087
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 63.2 32.4 97.2





#85
n-Butylbenzene
Concen: 17.548 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

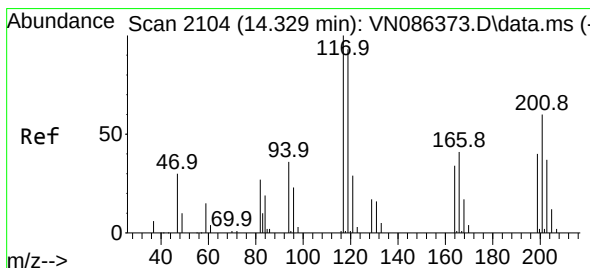
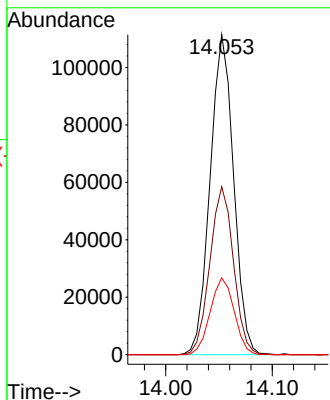
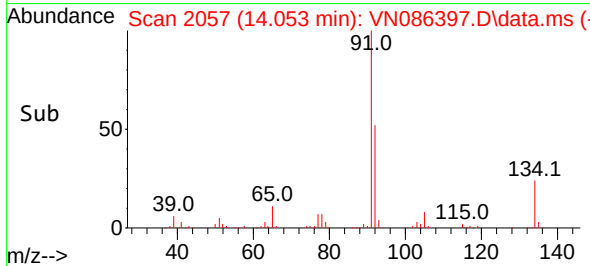
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 170458
Ion Ratio Lower Upper
91 100
92 52.8 0.0 107.2
134 24.4 0.0 48.2

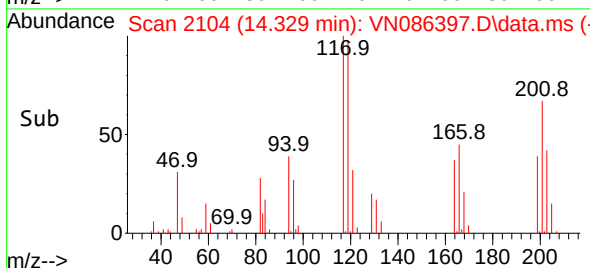
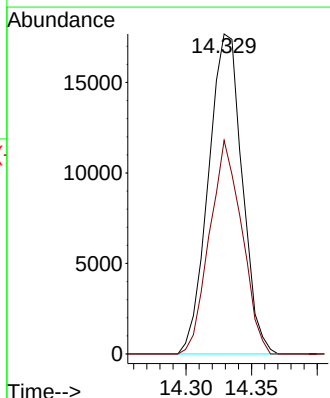
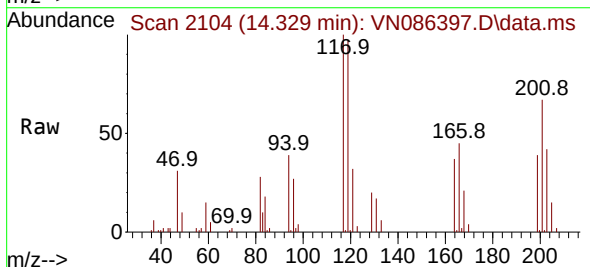
Manual Integrations
APPROVED

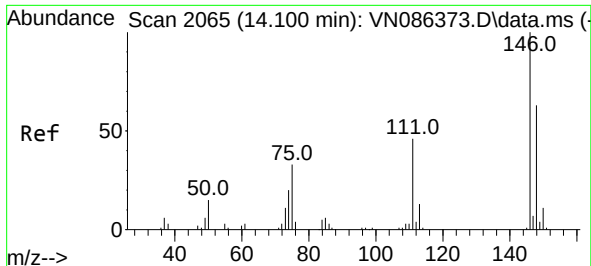
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 17.761 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion:117 Resp: 31617
Ion Ratio Lower Upper
117 100
201 63.9 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 18.227 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:146 Resp: 9775

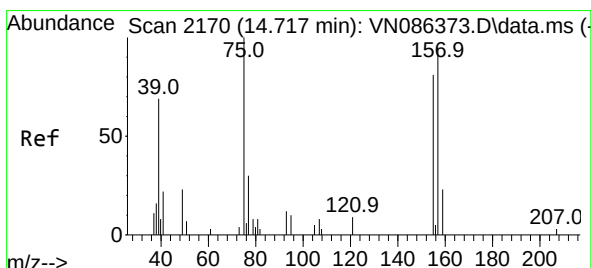
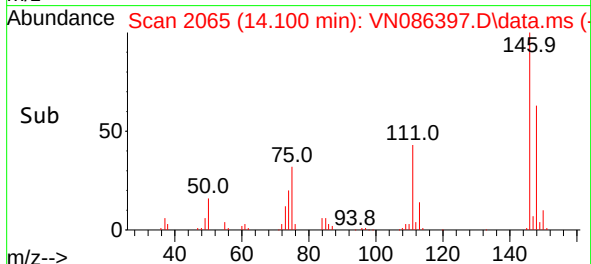
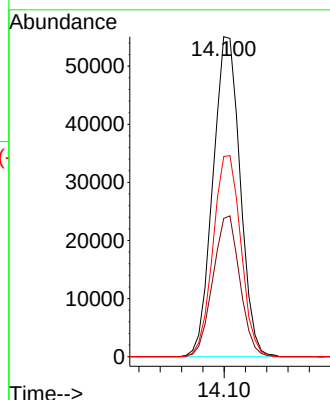
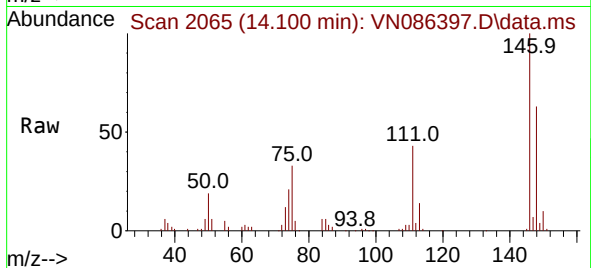
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.3
148	64.1	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.895 ug/l

RT: 14.717 min Scan# 2170

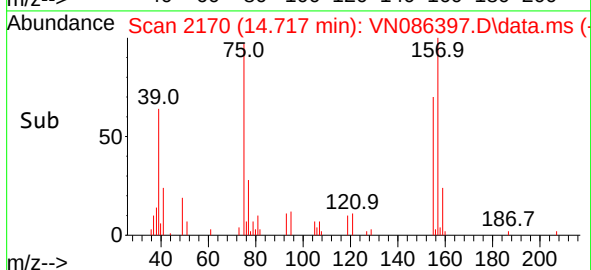
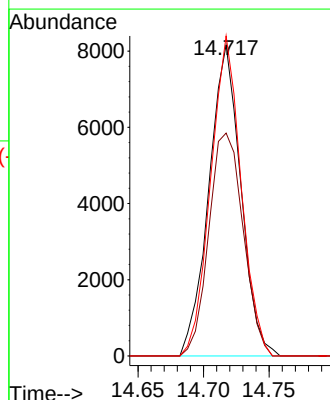
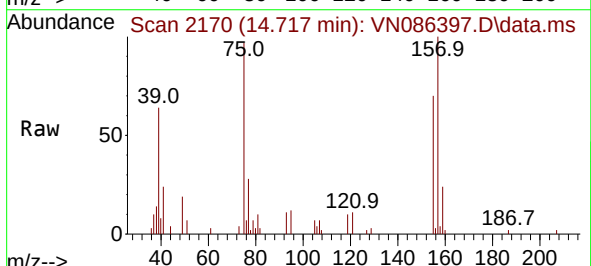
Delta R.T. -0.000 min

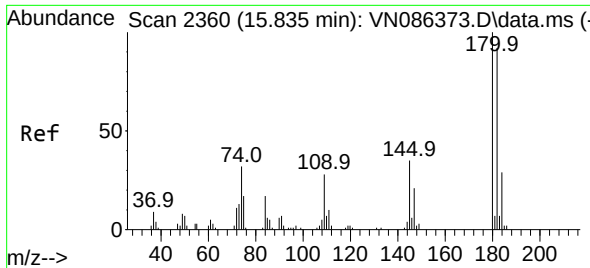
Lab File: VN086397.D

Acq: 24 Apr 2025 16:35

Tgt Ion: 75 Resp: 13810

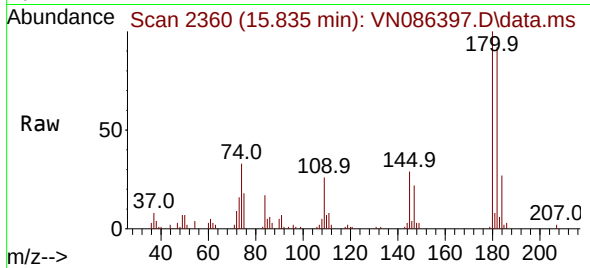
Ion	Ratio	Lower	Upper
75	100		
155	77.1	64.0	96.0
157	98.0	78.2	117.4





#89
1,2,4-Trichlorobenzene
Concen: 19.249 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

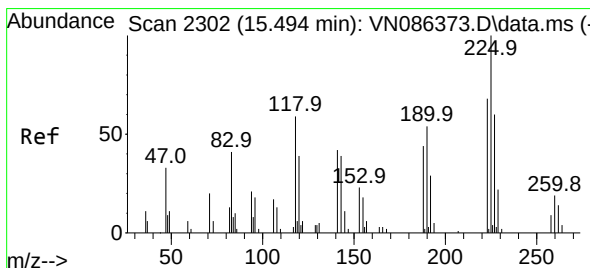
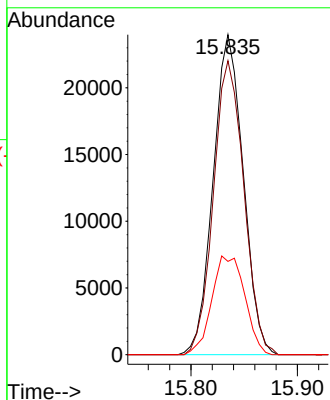
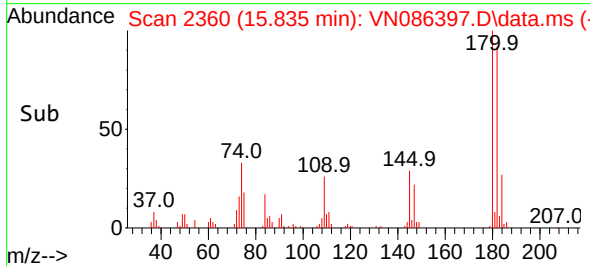
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



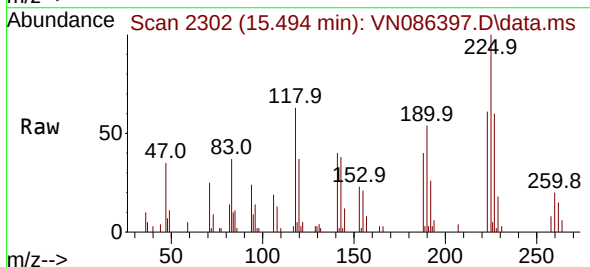
Tgt Ion:180 Resp: 4705
Ion Ratio Lower Upper
180 100
182 92.8 74.8 112.2
145 33.8 26.9 40.3

Manual Integrations
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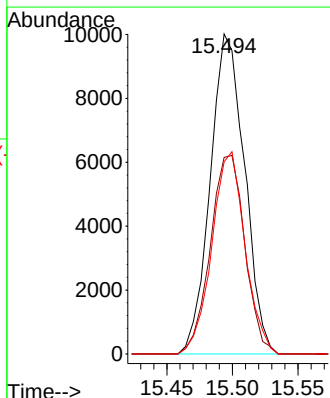
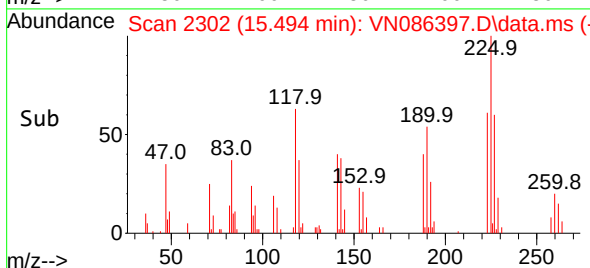
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

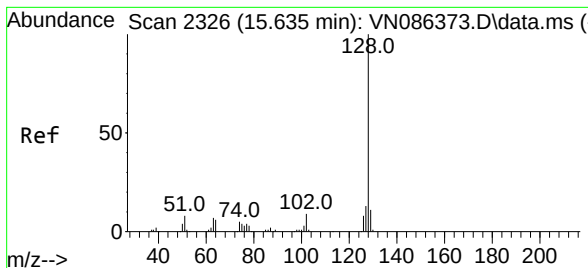


#90
Hexachlorobutadiene
Concen: 18.525 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35



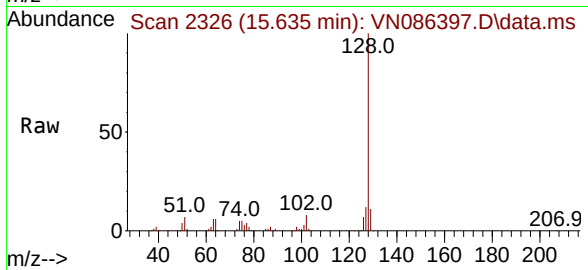
Tgt Ion:225 Resp: 18240
Ion Ratio Lower Upper
225 100
223 62.3 0.0 128.8
227 61.0 0.0 120.2





#91
Naphthalene
Concen: 19.351 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

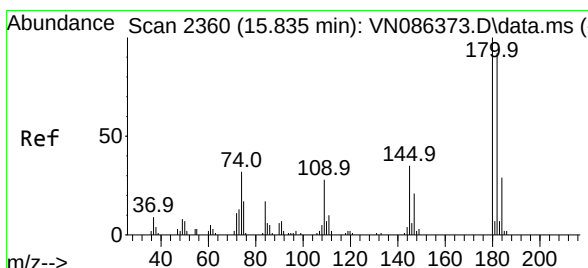
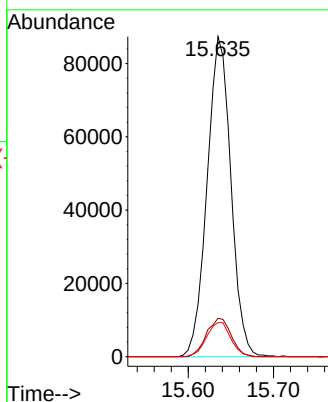
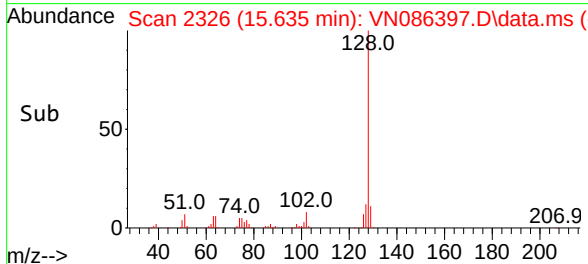
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 16934
Ion Ratio Lower Upper
128 100
127 12.4 10.6 15.8
129 10.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.249 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086397.D
Acq: 24 Apr 2025 16:35

Tgt Ion:180 Resp: 47051
Ion Ratio Lower Upper
180 100
182 92.8 0.0 187.0
145 33.8 0.0 67.2

