

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042125\
 Data File : VN086355.D
 Acq On : 21 Apr 2025 12:14
 Operator : JC\MD
 Sample : VN0421WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2025
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 01:48:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	31313	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	185960	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	168847	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	90777	29.722	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.067%		
60) 4-Bromofluorobenzene	12.847	95	96854	28.811	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.033%		
63) Toluene-d8	10.565	98	279016	29.270	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.567%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49855	19.871	ug/l	99
3) Chloromethane	2.359	50	66096	19.061	ug/l	99
4) Vinyl Chloride	2.512	62	63685	19.282	ug/l	99
5) Bromomethane	2.959	94	33759	20.491	ug/l	100
6) Chloroethane	3.118	64	41562	19.927	ug/l	97
7) Trichlorofluoromethane	3.495	101	72520	20.241	ug/l	98
8) Diethyl Ether	3.959	74	29836	18.057	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	44297	20.050	ug/l	97
10) 1,1-Dichloroethene	4.342	96	44655	18.728	ug/l	97
11) Methyl Iodide	4.589	142	52790	19.263	ug/l	95
12) Methyl Acetate	5.024	43	66980	19.893	ug/l	96
13) Acrolein	4.177	56	28437	74.300	ug/l	96
14) Acrylonitrile	5.712	53	124281	87.432	ug/l	98
15) Acetone	4.430	58	37196	103.203	ug/l	84
16) Carbon Disulfide	4.712	76	124787	18.251	ug/l	97
17) Allyl chloride	5.018	41	73113	17.593	ug/l	93
18) Methylene Chloride	5.277	84	51164	18.821	ug/l	91
19) trans-1,2-Dichloroethene	5.783	96	48013	19.117	ug/l	96
20) Diisopropyl ether	6.665	45	168098	18.815	ug/l	98
21) 1,1-Dichloroethane	6.565	63	91477	19.191	ug/l	99
22) cis-1,2-Dichloroethene	7.489	96	58096	19.418	ug/l	99
23) tert-Butyl Alcohol	5.518	59	51575	87.567	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	166096	19.303	ug/l	98
25) Chloroform	7.965	83	91529	20.137	ug/l	99
26) Cyclohexane	8.253	56	81084	18.182	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	65975	19.805	ug/l	99
30) 2-Butanone	7.477	43	176629	95.687	ug/l	97
31) 2,2-Dichloropropane	7.483	77	84194	20.532	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	78840	20.574	ug/l	100
33) Carbon Tetrachloride	8.359	117	64337	21.009	ug/l	99
34) Benzene	8.600	78	212510	20.052	ug/l #	95
35) Methacrylonitrile	7.777	41	37378	17.962	ug/l	95
36) 1,2-Dichloroethane	8.671	62	68911	20.778	ug/l	96
37) Trichloroethene	9.347	130	51250	20.042	ug/l	93
38) Methylcyclohexane	9.594	83	79284	19.406	ug/l	99
39) 1,2-Dichloropropane	9.618	63	52478	19.900	ug/l	97
40) Dibromomethane	9.706	93	35101	20.608	ug/l	98
41) Bromodichloromethane	9.888	83	74411	20.336	ug/l	100
42) Vinyl Acetate	6.600	43	600622	95.588	ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	69759	18.736	ug/l	97
44) Isopropyl Acetate	8.688	43	131708	19.068	ug/l	100
45) 1,4-Dioxane	9.688	88	21757	396.124	ug/l #	89
46) Methyl methacrylate	9.677	41	57659	18.946	ug/l	96
47) n-amyl Acetate	12.488	43	108401	19.794	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	82393	19.918	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	87029	19.878	ug/l	94
50) 1,1,2-Trichloroethane	11.012	97	47736	19.982	ug/l	97
51) Ethyl methacrylate	10.871	69	86320	19.444	ug/l	98
52) 1,3-Dichloropropane	11.159	76	86649	20.351	ug/l	100
53) Dibromochloromethane	11.359	129	53596	20.511	ug/l	98
54) 1,2-Dibromoethane	11.465	107	50112	20.781	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	200029	119.243	ug/l	99
56) Bromoform	12.576	173	35128	20.548	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	360222	94.012	ug/l	99
59) 2-Hexanone	11.194	43	268548	94.123	ug/l	100
61) Tetrachloroethene	11.100	164	49394	19.809	ug/l	98
62) Toluene	10.630	91	232489	20.529	ug/l	99
64) Chlorobenzene	11.888	112	142213	20.554	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	47546	20.822	ug/l	99
66) Ethyl Benzene	11.959	91	253935	20.218	ug/l	96
67) m/p-Xylenes	12.071	106	192975	41.321	ug/l	98
68) o-Xylene	12.394	106	94630	20.601	ug/l	99
69) Styrene	12.406	104	157888	20.381	ug/l	98
70) Isopropylbenzene	12.694	105	236174	20.852	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	67733	21.010	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	66728m	19.885	ug/l	
73) Bromobenzene	12.976	156	54268	21.629	ug/l	93
74) n-propylbenzene	13.035	91	278479	20.823	ug/l	100
75) 2-Chlorotoluene	13.123	91	173900	20.687	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	194170	20.870	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	28469	18.399	ug/l	93
78) 4-Chlorotoluene	13.218	91	172758	20.578	ug/l	100
79) tert-butylbenzene	13.435	119	167443	20.799	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	195810	20.755	ug/l	98
81) sec-Butylbenzene	13.612	105	240066	21.377	ug/l	99
82) p-Isopropyltoluene	13.723	119	199781	21.326	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	100646	21.582	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	99747	21.321	ug/l	99
85) n-Butylbenzene	14.053	91	178040	21.067	ug/l	99
86) Hexachloroethane	14.329	117	32160	20.351	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	98093	21.303	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14836	20.205	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	46122	20.586	ug/l	99
90) Hexachlorobutadiene	15.494	225	20154	20.835	ug/l	99
91) Naphthalene	15.635	128	165143	18.695	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	46122	20.586	ug/l	99

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

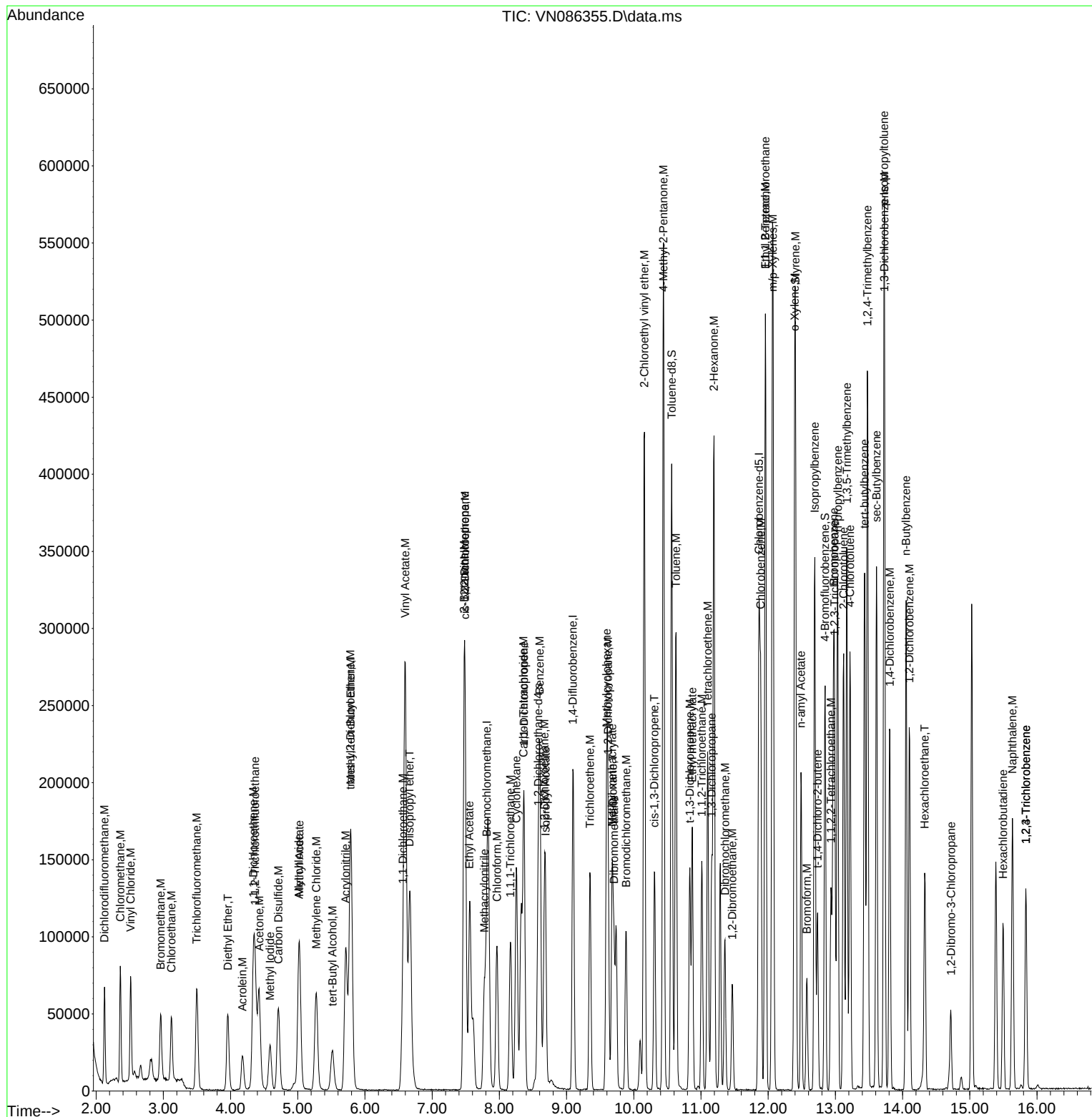
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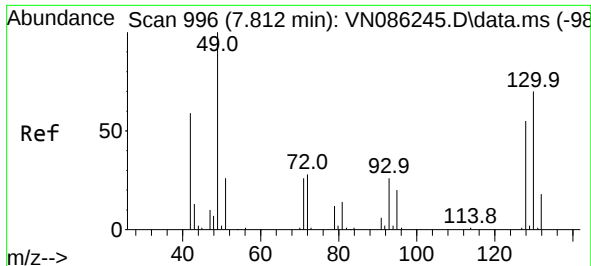
Instrument :
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Manual Integrations APPROVED

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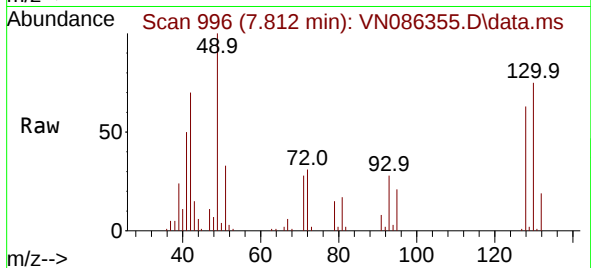
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

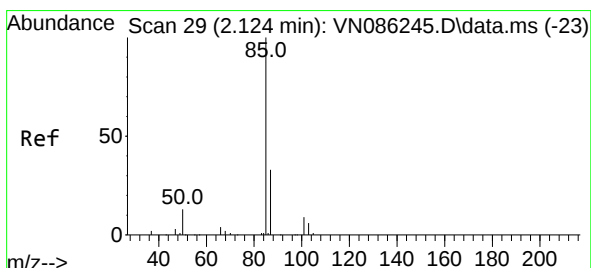
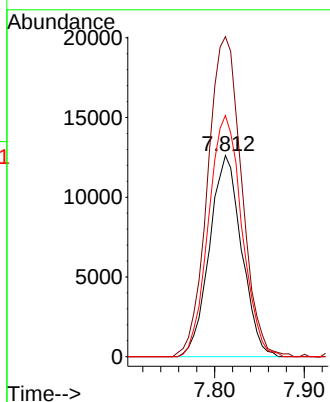
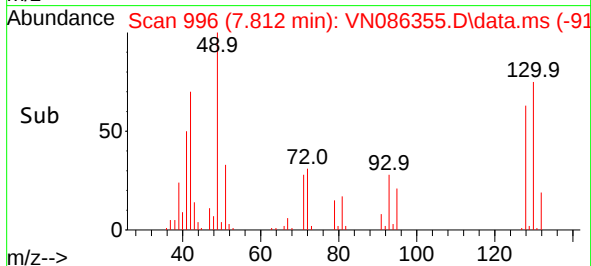
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion:128 Resp: 3131
Ion Ratio Lower Upper
128 100
49 168.7 0.0 452.5
130 124.6 0.0 315.0

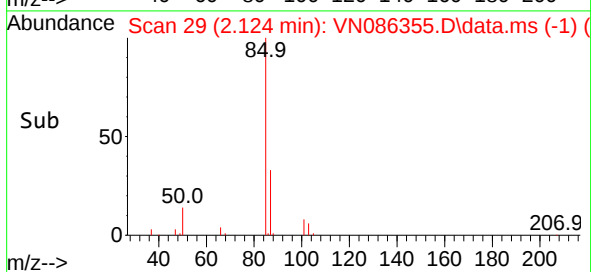
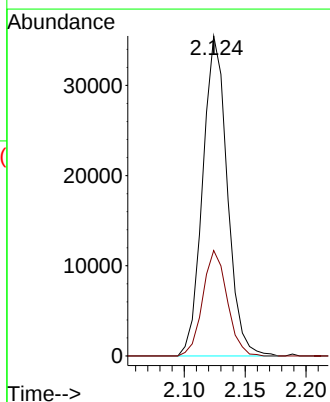
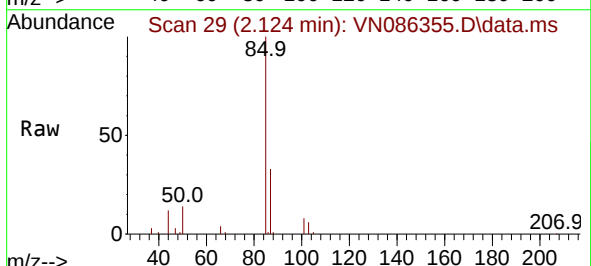
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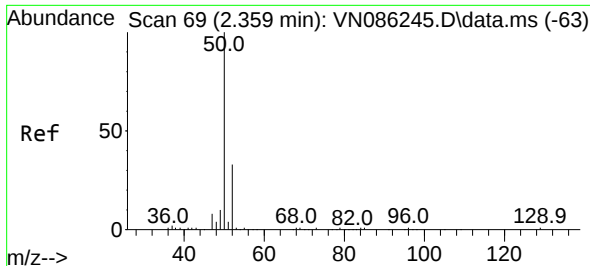
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#2
Dichlorodifluoromethane
Concen: 19.871 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

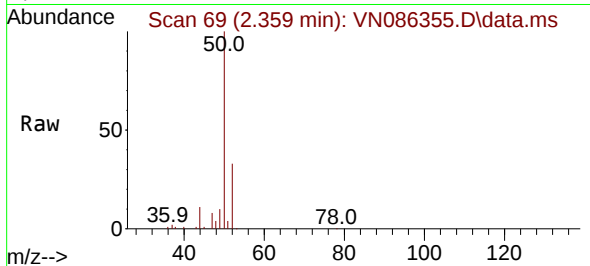
Tgt Ion: 85 Resp: 49855
Ion Ratio Lower Upper
85 100
87 32.9 16.3 48.9





#3
Chloromethane
Concen: 19.061 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

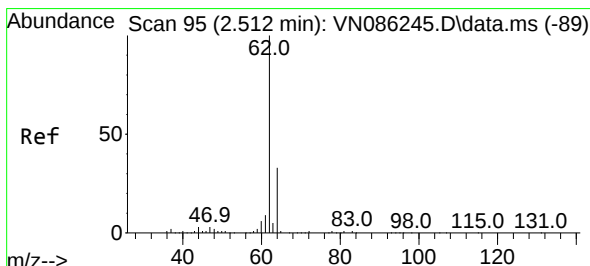
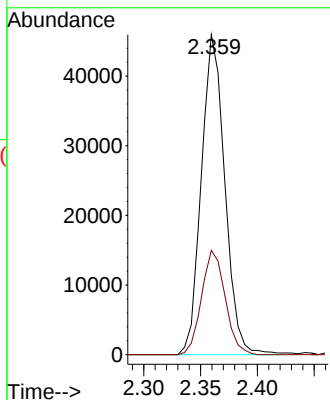
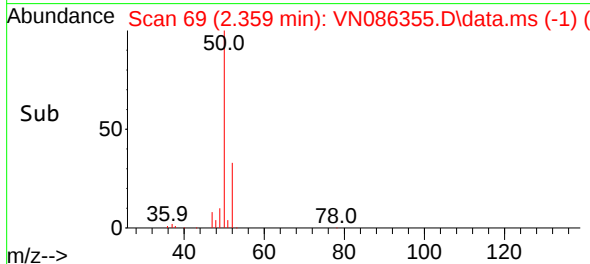
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ClientSampleId :
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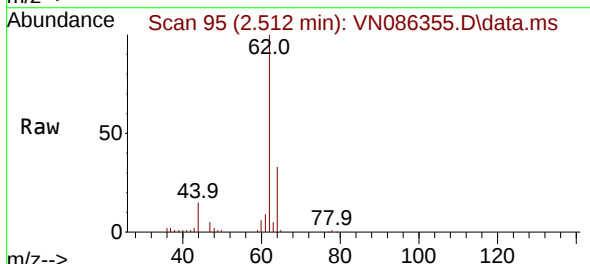
Tgt Ion: 50 Resp: 66090
Ion Ratio Lower Upper
50 100
52 32.6 26.4 39.6

Manual Integrations
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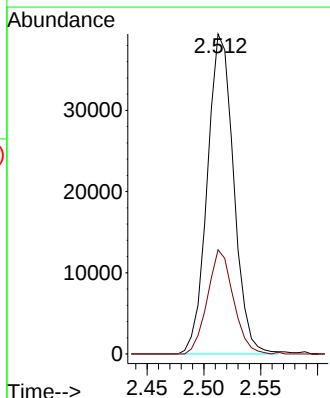
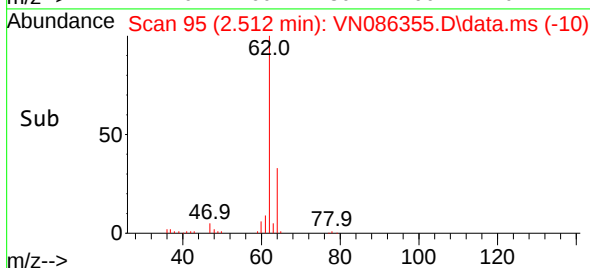
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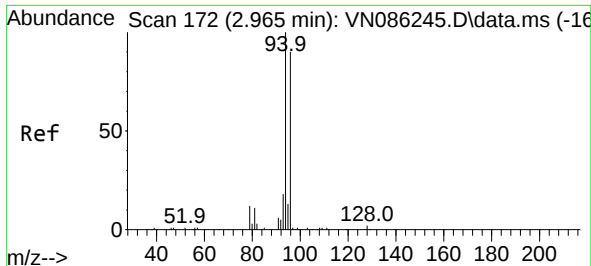


#4
Vinyl Chloride
Concen: 19.282 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



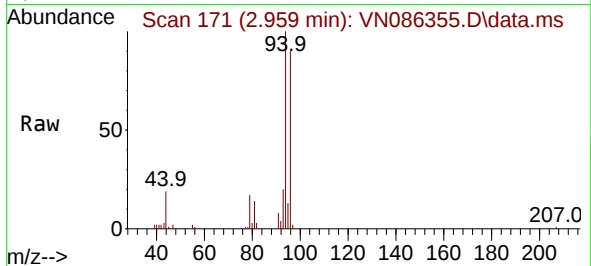
Tgt Ion: 62 Resp: 63685
Ion Ratio Lower Upper
62 100
64 32.6 26.3 39.5





#5
Bromomethane
Concen: 20.491 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

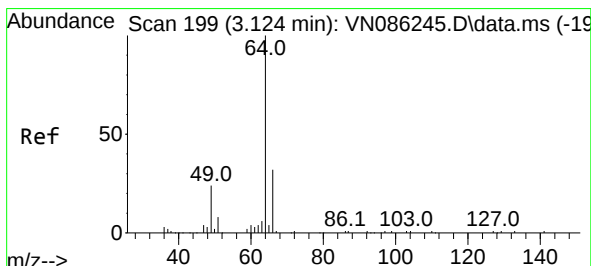
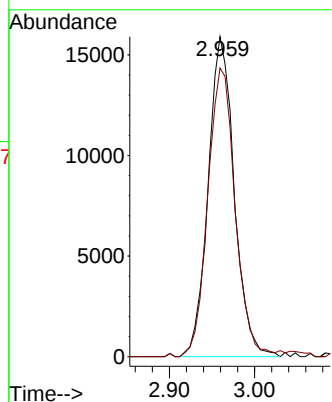
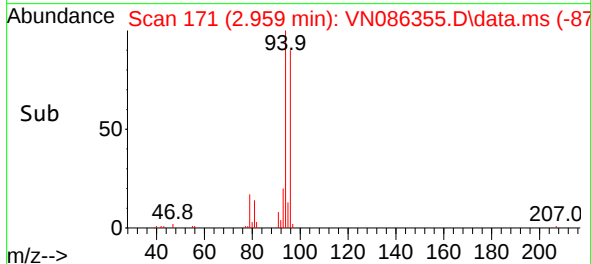
Instrument :
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Tgt Ion: 94 Resp: 3375
Ion Ratio Lower Upper
94 100
96 90.2 72.2 108.2

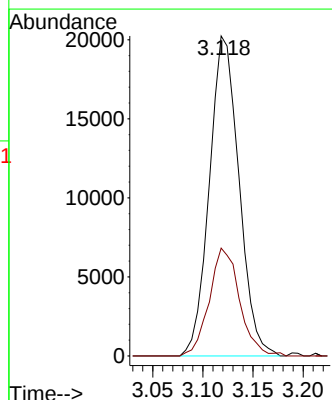
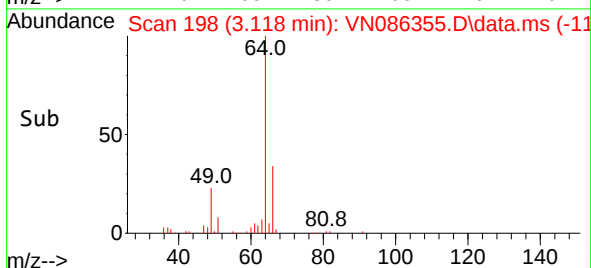
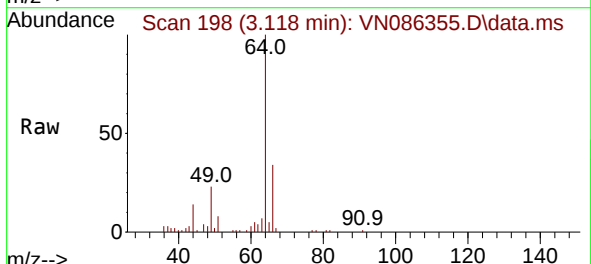
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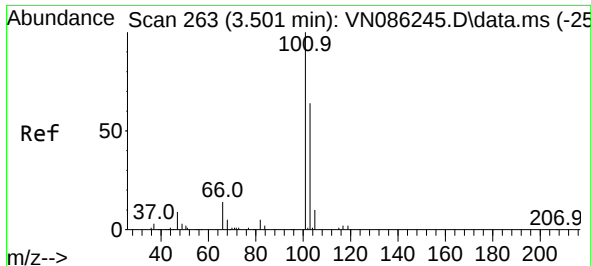
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#6
Chloroethane
Concen: 19.927 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion: 64 Resp: 41562
Ion Ratio Lower Upper
64 100
66 33.7 25.7 38.5





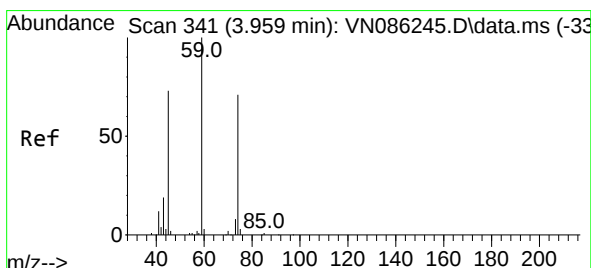
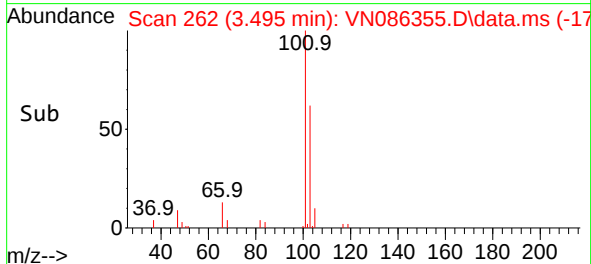
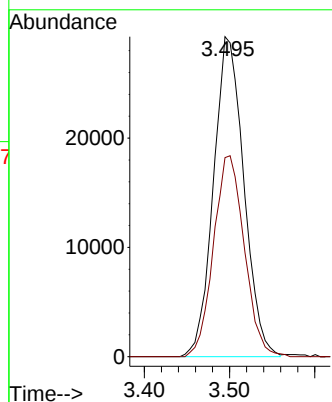
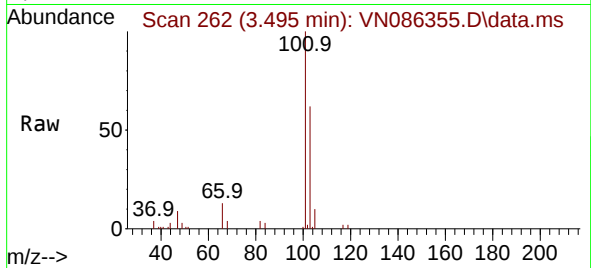
#7
Trichlorofluoromethane
Concen: 20.241 ug/l
RT: 3.495 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 72520
Ion Ratio Lower Upper
101 100
103 62.2 51.2 76.8

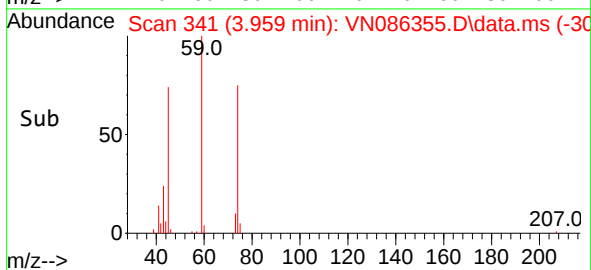
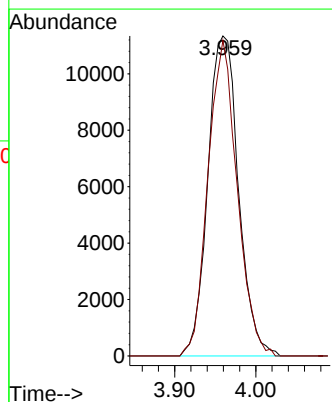
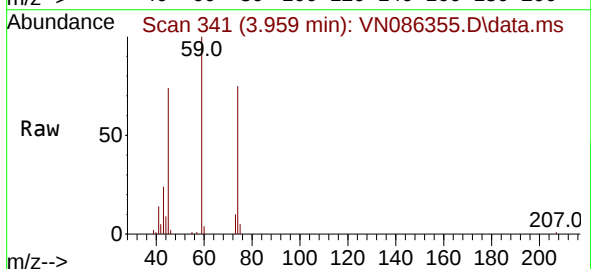
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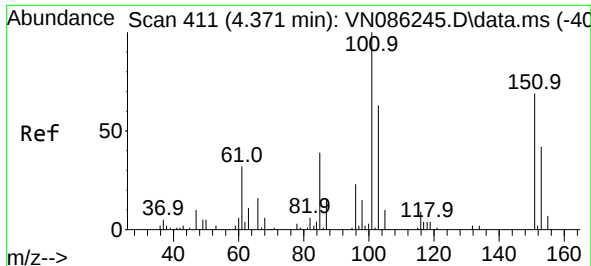
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#8
Diethyl Ether
Concen: 18.057 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion: 74 Resp: 29836
Ion Ratio Lower Upper
74 100
45 93.7 19.2 173.2





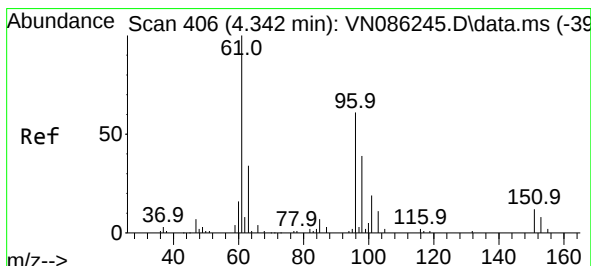
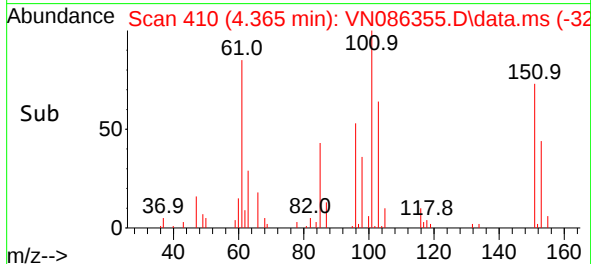
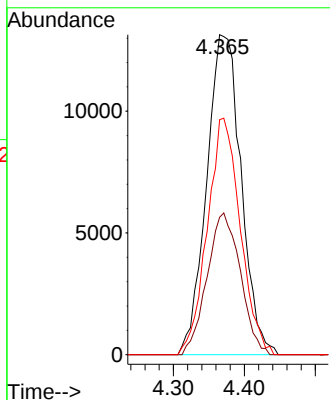
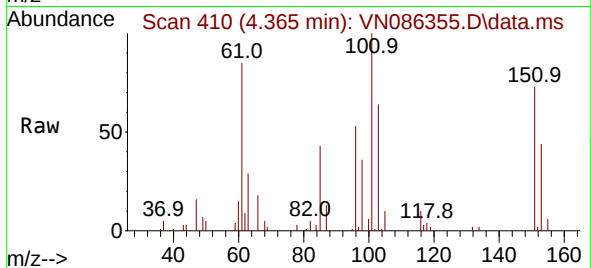
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.050 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion:101 Resp: 4429
Ion Ratio Lower Upper
101 100
85 42.8 0.0 93.0
151 70.6 0.0 138.6

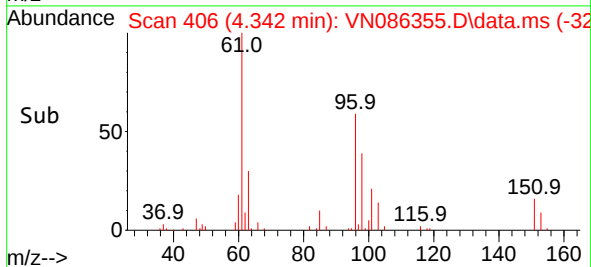
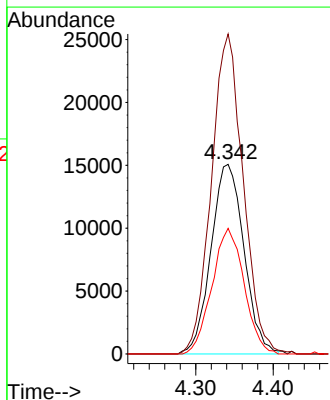
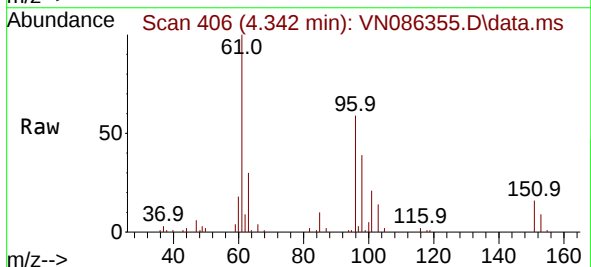
Manual Integrations
APPROVED

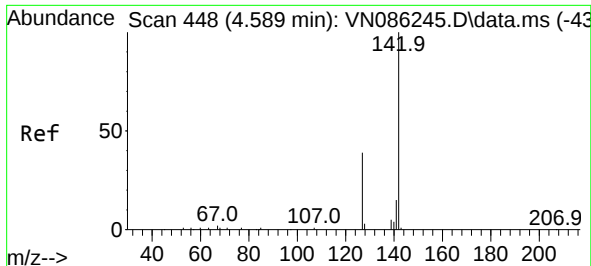
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#10
1,1-Dichloroethene
Concen: 18.728 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

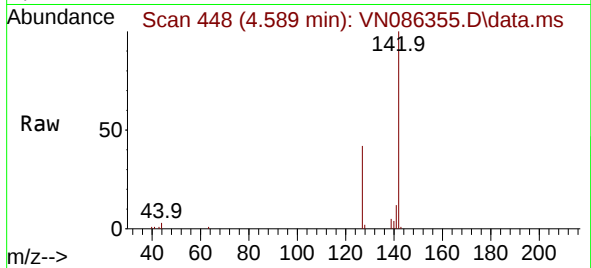
Tgt Ion: 96 Resp: 44655
Ion Ratio Lower Upper
96 100
61 168.7 131.1 196.7
98 66.2 51.6 77.4





#11
Methyl Iodide
Concen: 19.263 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

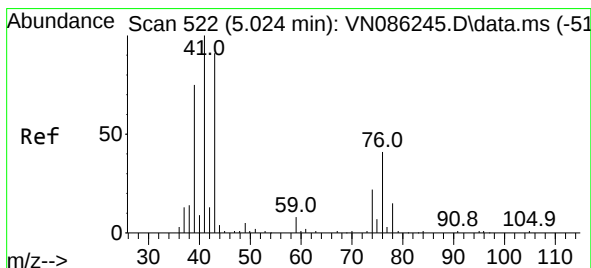
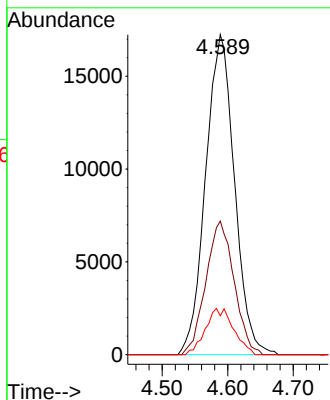
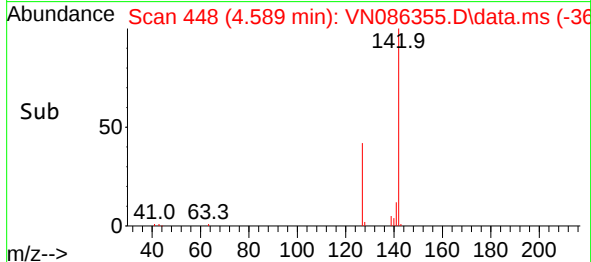
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



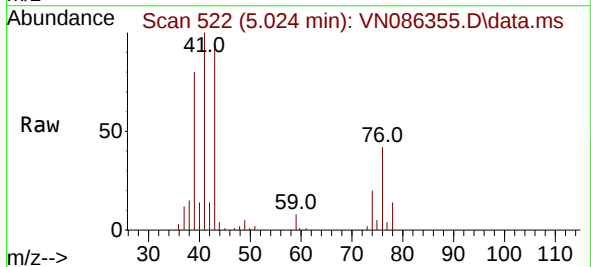
Tgt Ion:142 Resp: 52790
Ion Ratio Lower Upper
142 100
127 41.7 19.6 58.8
141 12.2 7.3 21.9

Manual Integrations
APPROVED

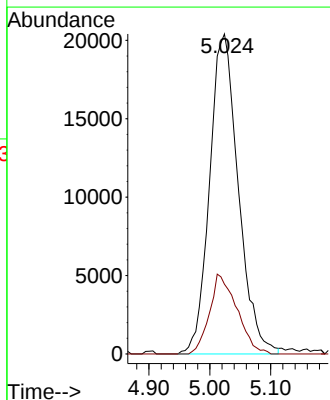
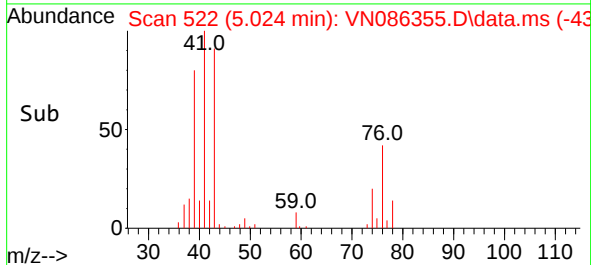
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

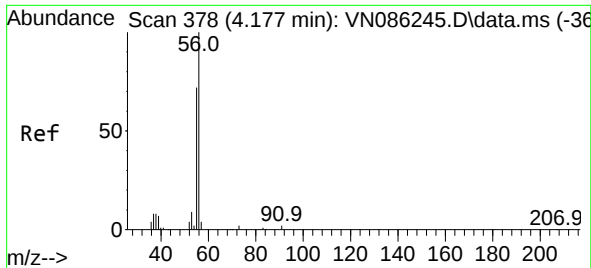


#12
Methyl Acetate
Concen: 19.893 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



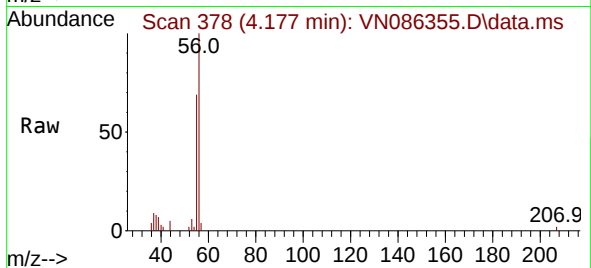
Tgt Ion: 43 Resp: 66980
Ion Ratio Lower Upper
43 100
74 22.0 19.1 28.7





#13
Acrolein
Concen: 74.300 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

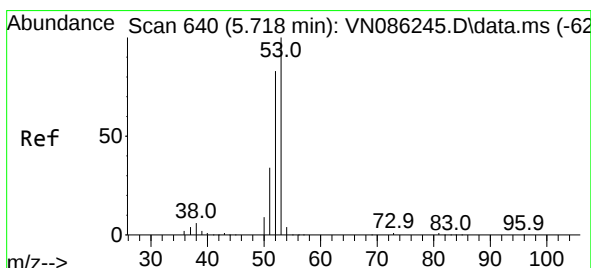
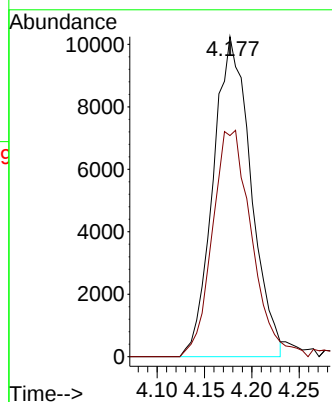
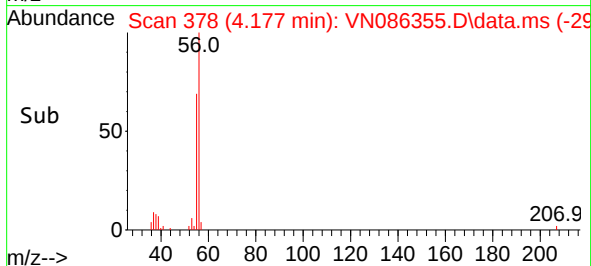
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



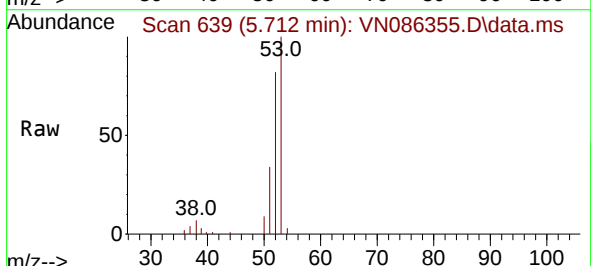
Tgt Ion: 56 Resp: 2843
Ion Ratio Lower Upper
56 100
55 73.7 56.5 84.7

Manual Integrations
APPROVED

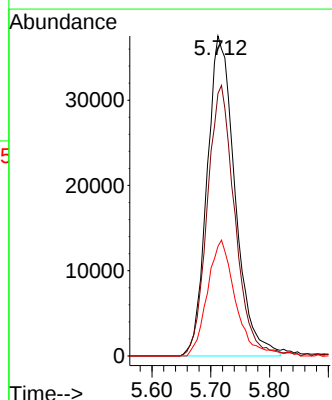
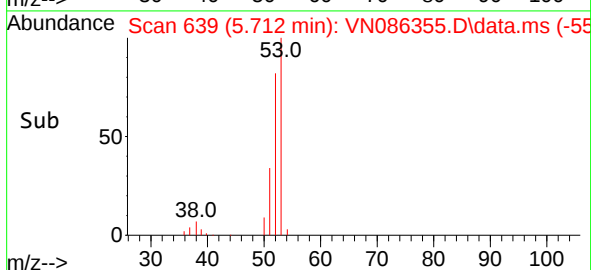
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

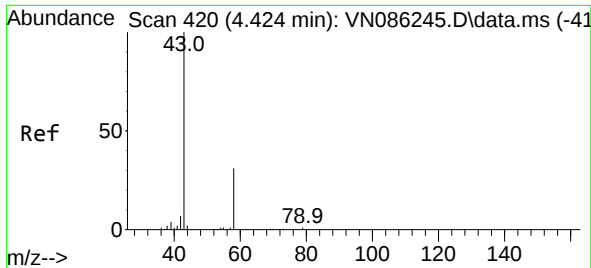


#14
Acrylonitrile
Concen: 87.432 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



Tgt Ion: 53 Resp: 124281
Ion Ratio Lower Upper
53 100
52 82.2 40.2 120.6
51 36.3 17.5 52.6





#15

Acetone

Concen: 103.203 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01

Tgt Ion: 58 Resp: 37190

Ion Ratio Lower Upper

58 100

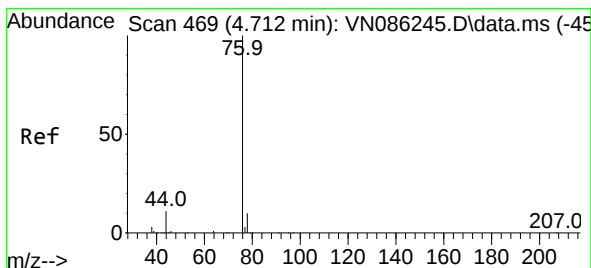
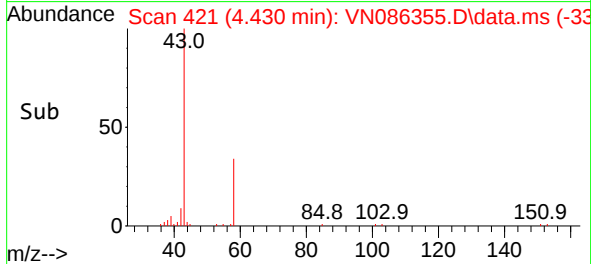
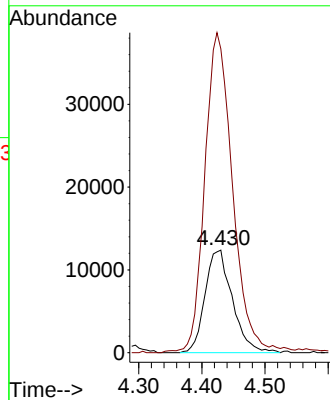
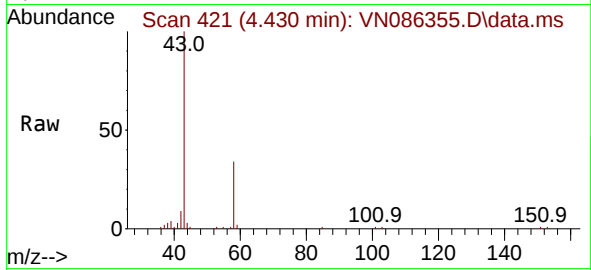
43 293.5 261.8 392.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#16

Carbon Disulfide

Concen: 18.251 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086355.D

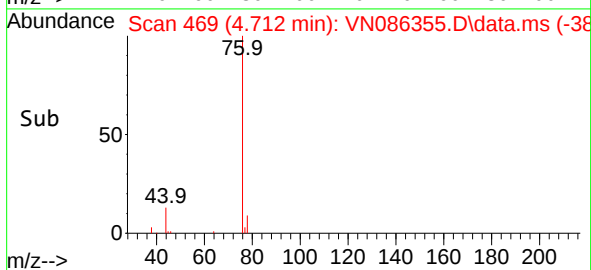
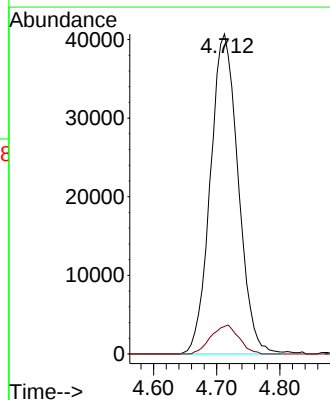
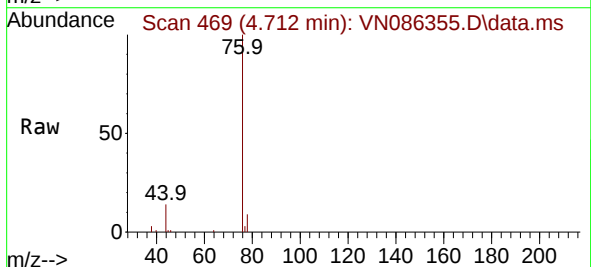
Acq: 21 Apr 2025 12:14

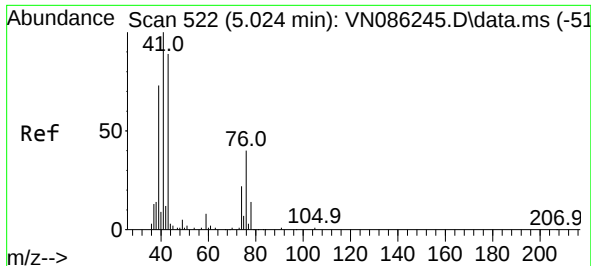
Tgt Ion: 76 Resp: 124787

Ion Ratio Lower Upper

76 100

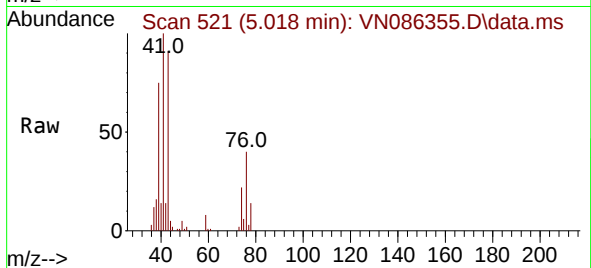
78 8.6 7.7 11.5





#17
 Allyl chloride
 Concen: 17.593 ug/l
 RT: 5.018 min Scan# 511
 Delta R.T. -0.006 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14

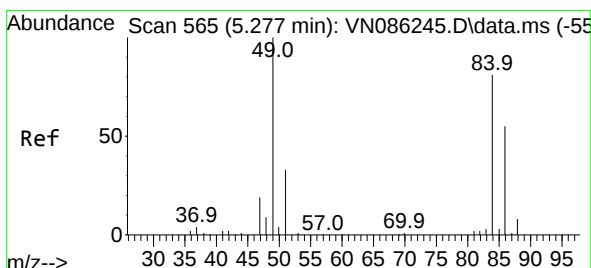
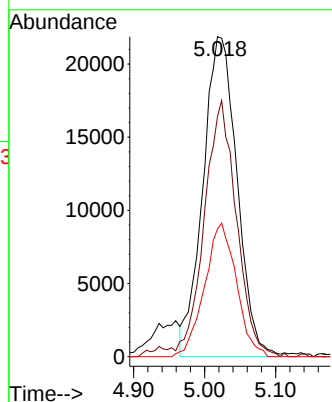
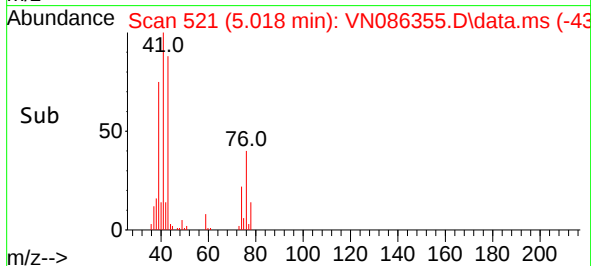
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBS01



Tgt Ion: 41 Resp: 7311
 Ion Ratio Lower Upper
 41 100
 39 75.6 34.4 103.2
 76 40.2 18.8 56.3

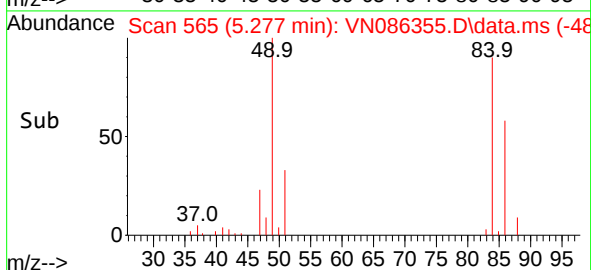
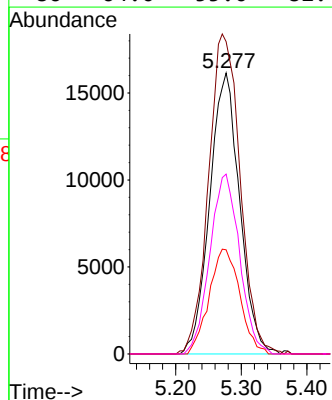
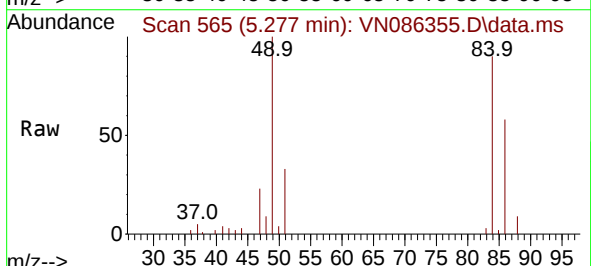
Manual Integrations
 APPROVED

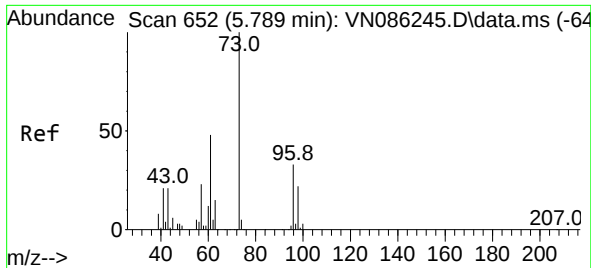
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#18
 Methylene Chloride
 Concen: 18.821 ug/l
 RT: 5.277 min Scan# 565
 Delta R.T. 0.000 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14

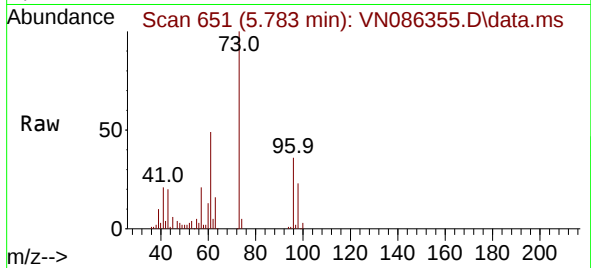
Tgt Ion: 84 Resp: 51164
 Ion Ratio Lower Upper
 84 100
 49 110.2 99.1 148.7
 51 37.1 32.3 48.5
 86 64.0 55.0 82.4





#19
trans-1,2-Dichloroethene
Concen: 19.117 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

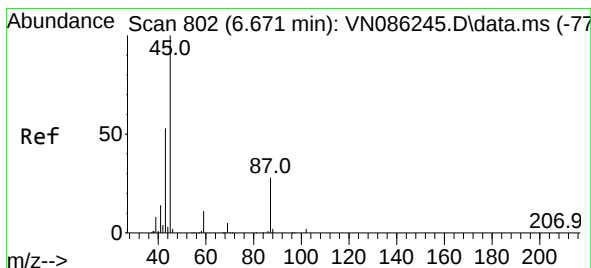
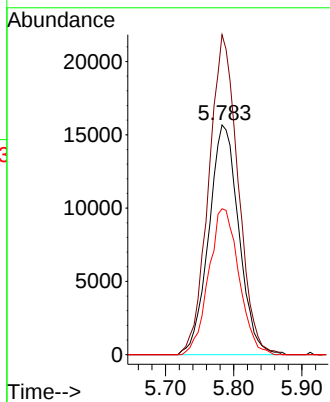
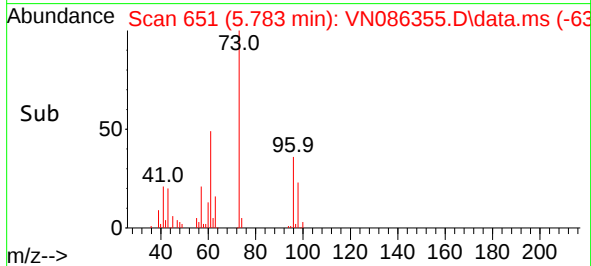
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 96 Resp: 4801
Ion Ratio Lower Upper
96 100
61 139.3 115.9 173.9
98 63.5 52.1 78.1

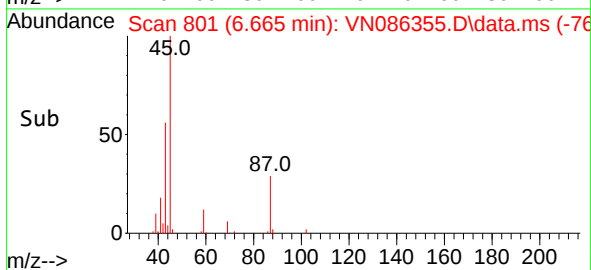
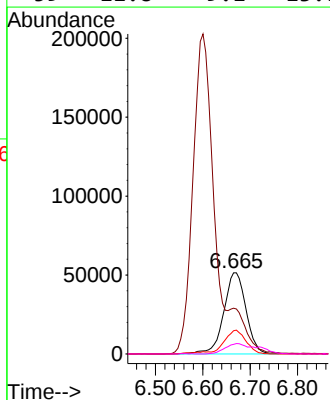
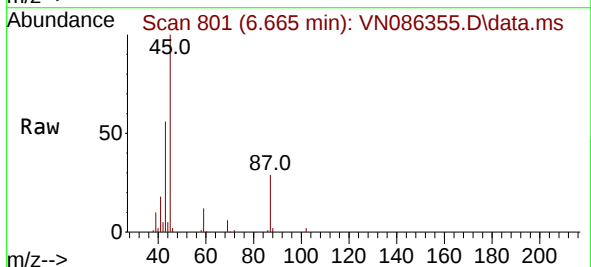
Manual Integrations
APPROVED

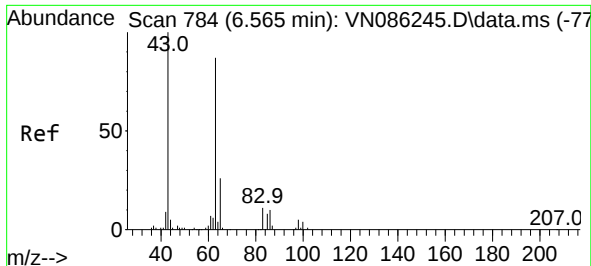
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#20
Diisopropyl ether
Concen: 18.815 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

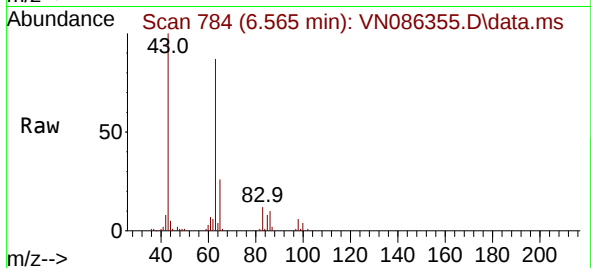
Tgt Ion: 45 Resp: 168098
Ion Ratio Lower Upper
45 100
43 54.8 42.3 63.5
87 28.7 22.2 33.4
59 11.8 9.1 13.7





#21
1,1-Dichloroethane
Concen: 19.191 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

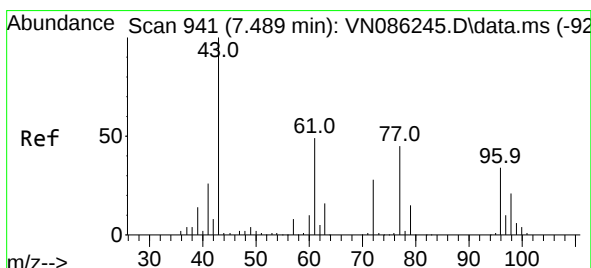
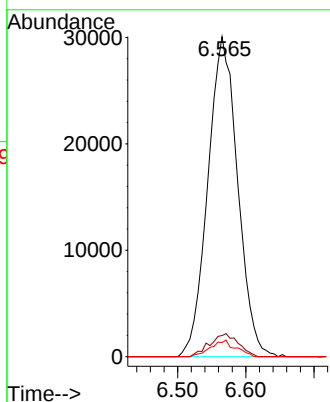
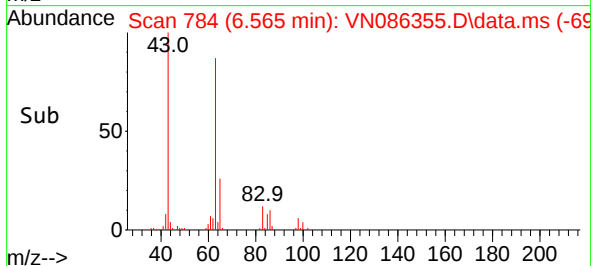
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 63 Resp: 9147
Ion Ratio Lower Upper
63 100
98 6.6 3.1 9.3
100 4.4 2.3 6.9

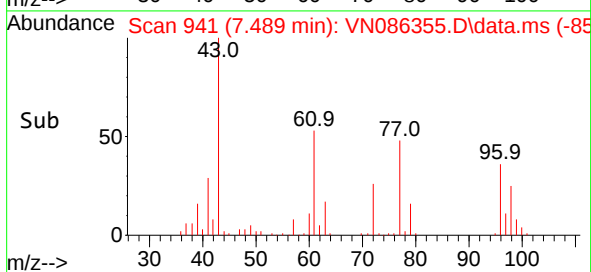
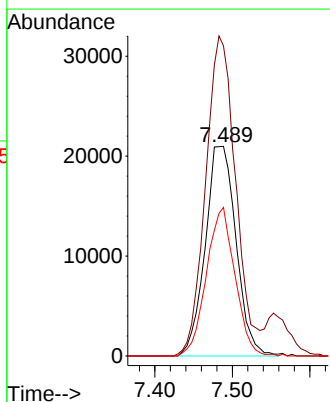
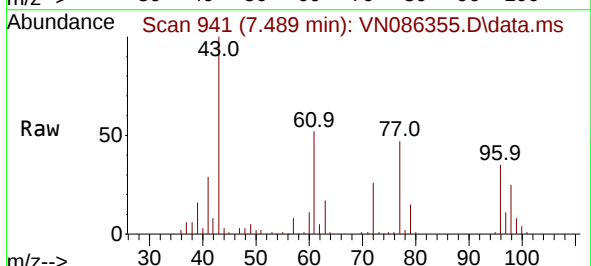
Manual Integrations
APPROVED

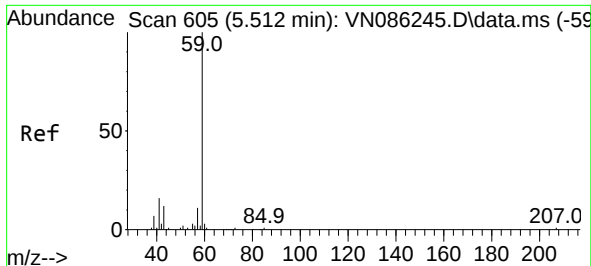
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#22
cis-1,2-Dichloroethene
Concen: 19.418 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

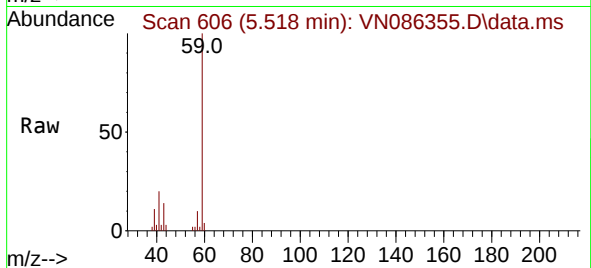
Tgt Ion: 96 Resp: 58096
Ion Ratio Lower Upper
96 100
61 148.7 119.5 179.3
98 65.4 51.0 76.6





#23
tert-Butyl Alcohol
Concen: 87.567 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

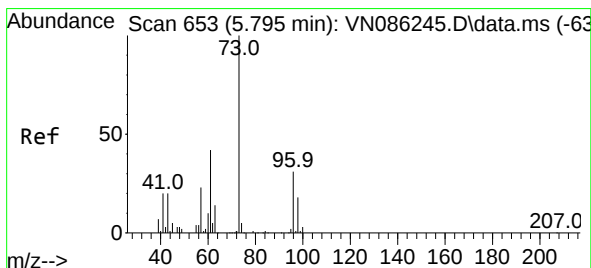
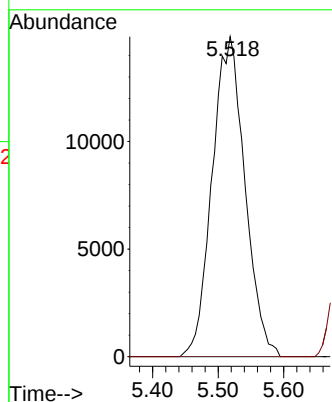
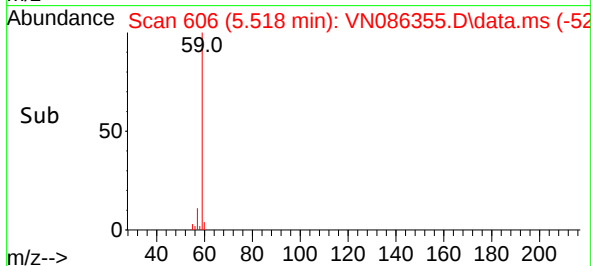
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



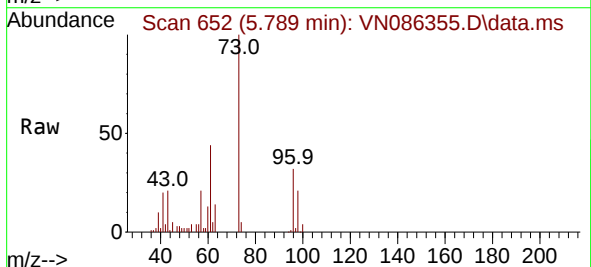
Tgt Ion: 59 Resp: 51579
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

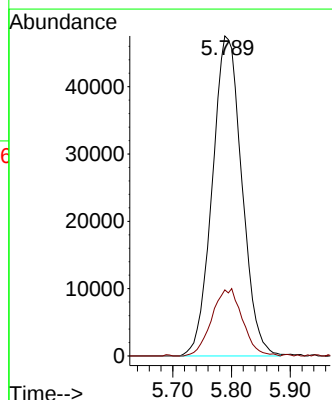
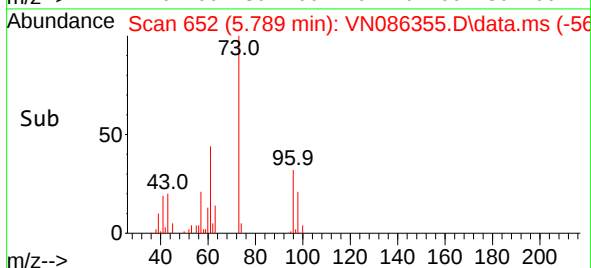
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

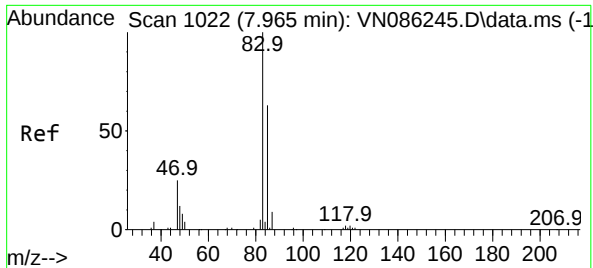


#24
Methyl tert-Butyl Ether
Concen: 19.303 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



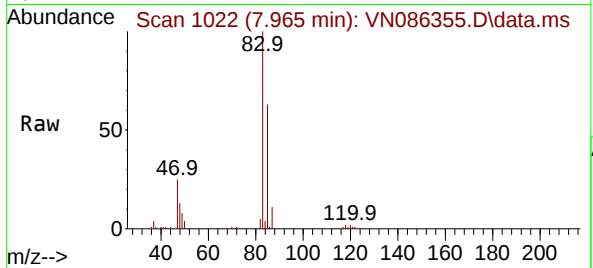
Tgt Ion: 73 Resp: 166096
Ion Ratio Lower Upper
73 100
43 21.7 16.8 25.2





#25
Chloroform
Concen: 20.137 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

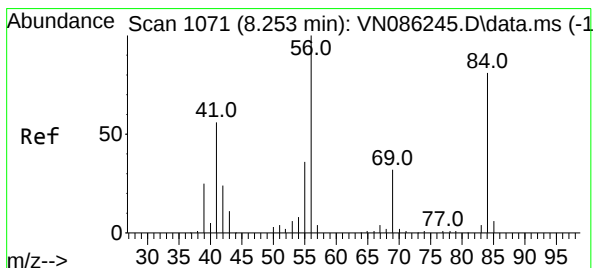
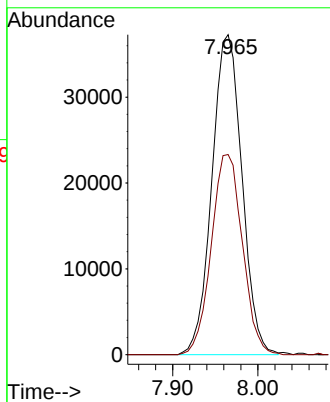
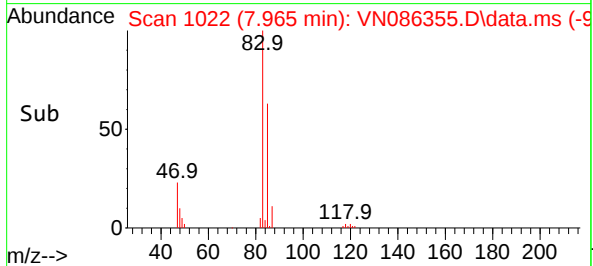
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 83 Resp: 91529
Ion Ratio Lower Upper
83 100
85 62.5 50.5 75.7

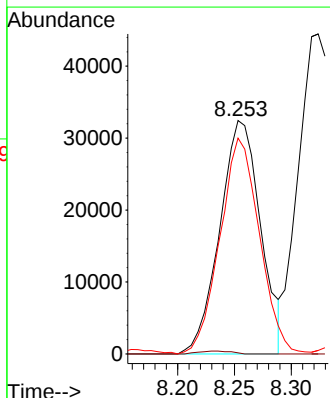
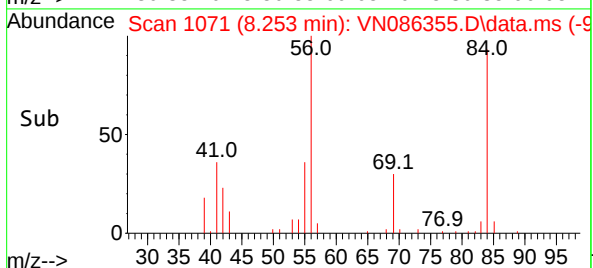
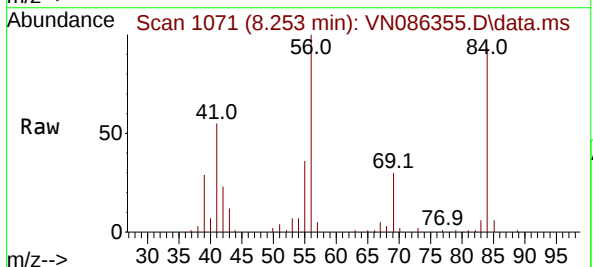
Manual Integrations
APPROVED

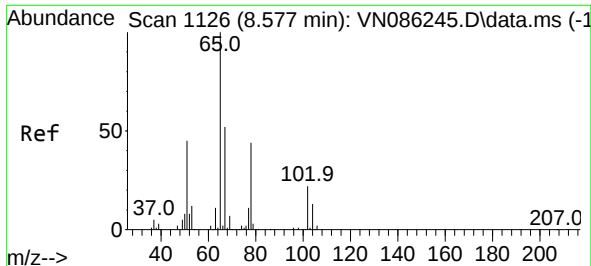
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#26
Cyclohexane
Concen: 18.182 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

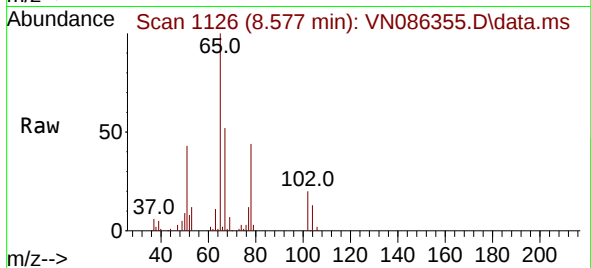
Tgt Ion: 56 Resp: 81084
Ion Ratio Lower Upper
56 100
89 1.0 0.0 0.0#
84 89.7 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 29.722 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

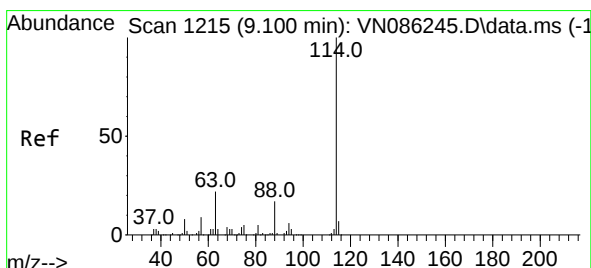
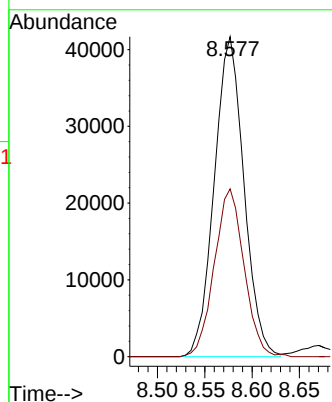
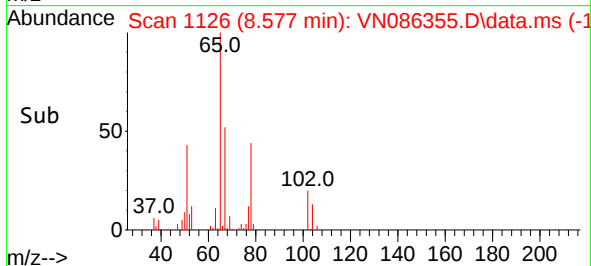
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 65 Resp: 9077
Ion Ratio Lower Upper
65 100
67 52.3 43.4 65.2

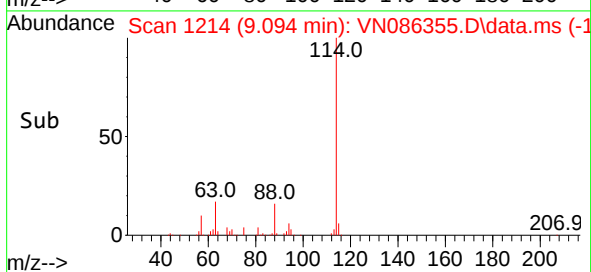
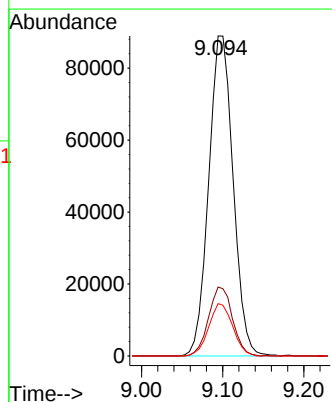
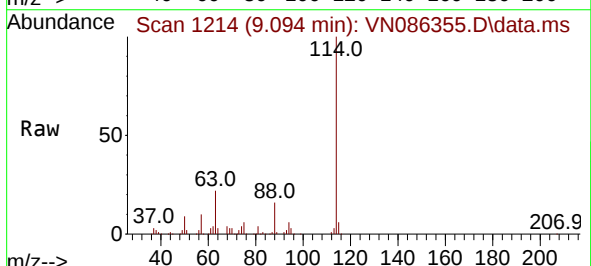
Manual Integrations
APPROVED

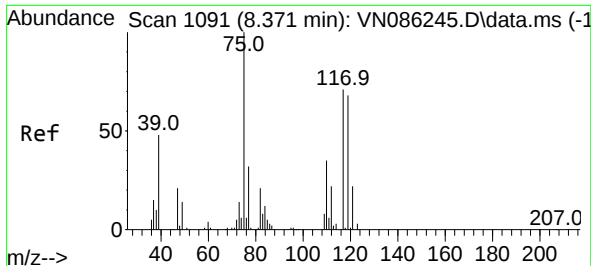
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

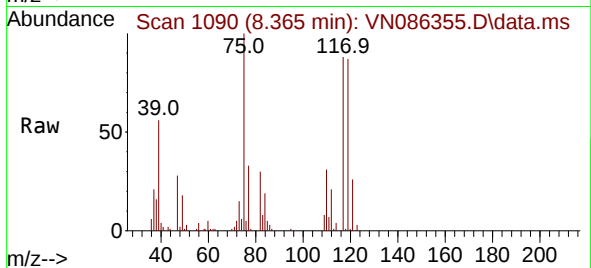
Tgt Ion:114 Resp: 185960
Ion Ratio Lower Upper
114 100
63 21.1 17.8 26.6
88 16.1 13.4 20.2





#29
1,1-Dichloropropene
Concen: 19.805 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

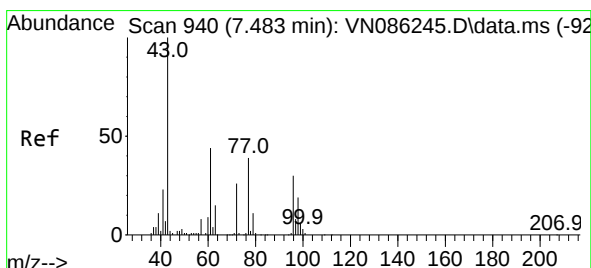
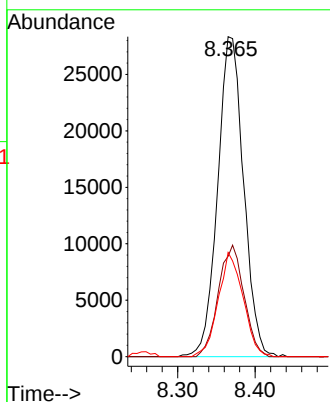
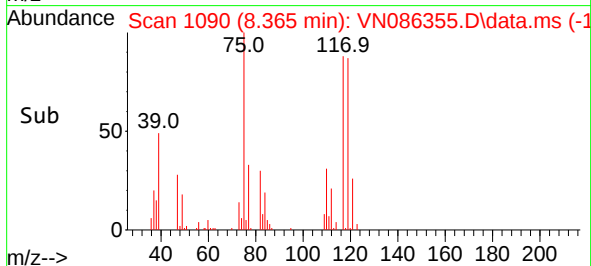
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



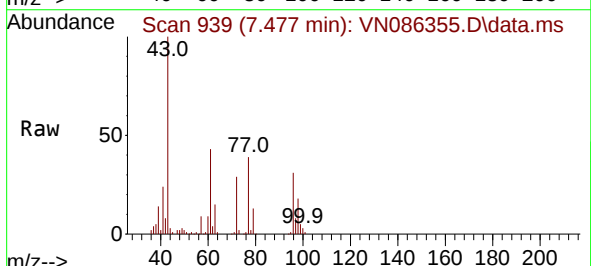
Tgt Ion: 75 Resp: 6597
Ion Ratio Lower Upper
75 100
110 34.5 0.0 68.6
77 31.2 0.0 63.8

Manual Integrations
APPROVED

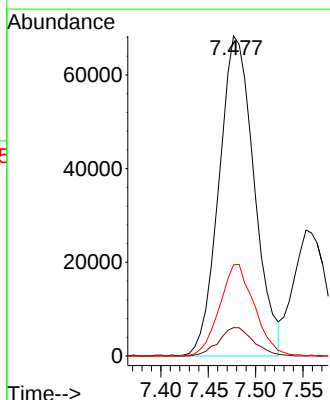
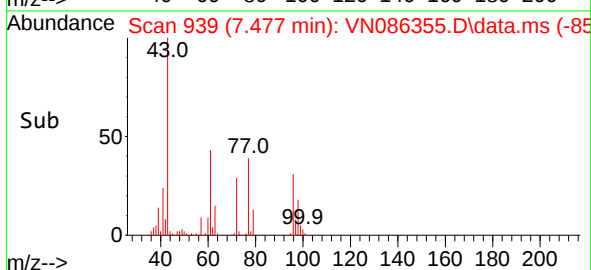
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

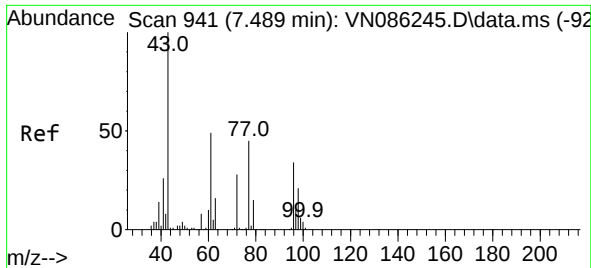


#30
2-Butanone
Concen: 95.687 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



Tgt Ion: 43 Resp: 176629
Ion Ratio Lower Upper
43 100
57 8.8 6.4 9.6
72 28.3 21.5 32.3





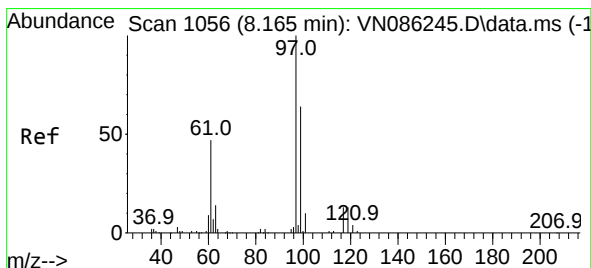
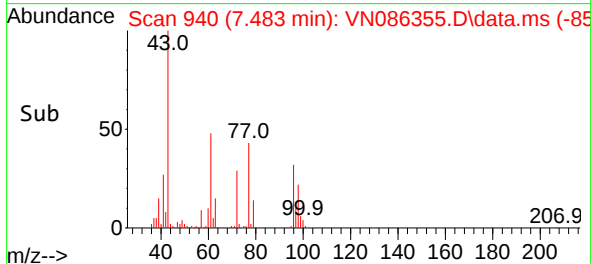
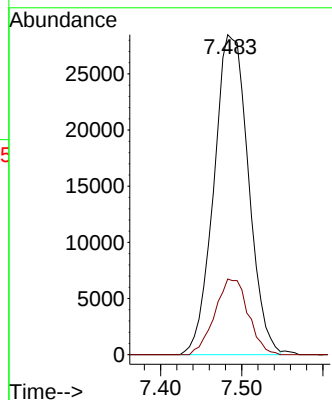
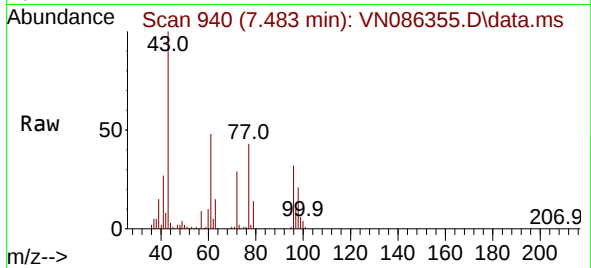
#31
2,2-Dichloropropane
Concen: 20.532 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion: 77 Resp: 84194
Ion Ratio Lower Upper
77 100
97 22.8 18.8 28.2

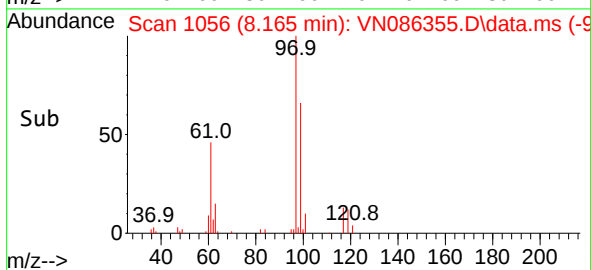
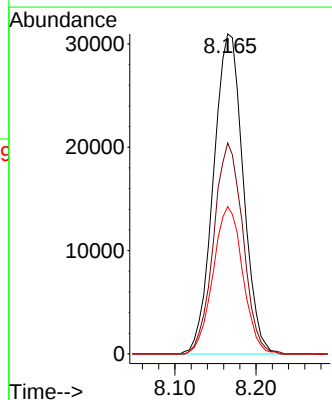
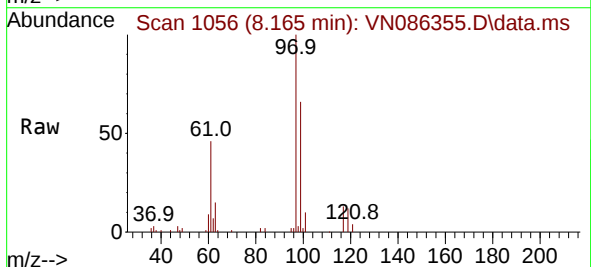
Manual Integrations
APPROVED

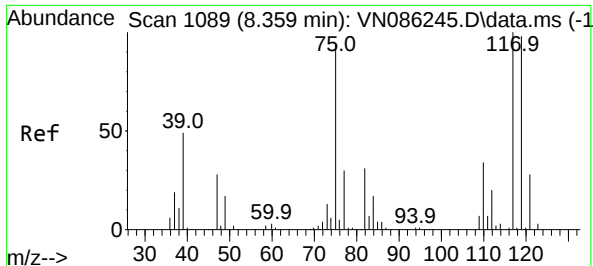
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#32
1,1,1-Trichloroethane
Concen: 20.574 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

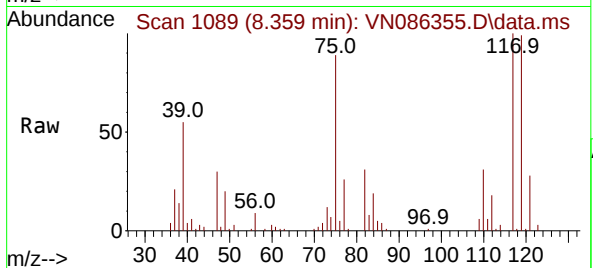
Tgt Ion: 97 Resp: 78840
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.2
61 45.9 37.0 55.6





#33
Carbon Tetrachloride
Concen: 21.009 ug/l
RT: 8.359 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

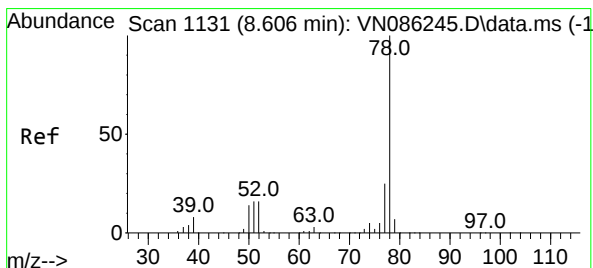
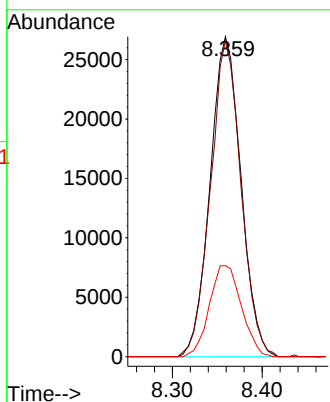
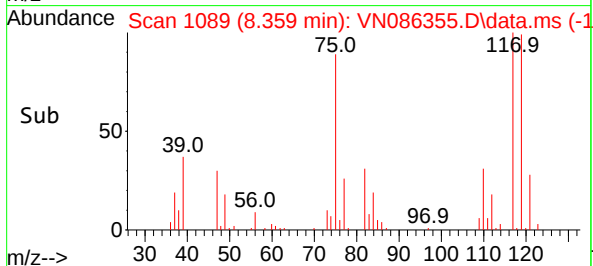
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



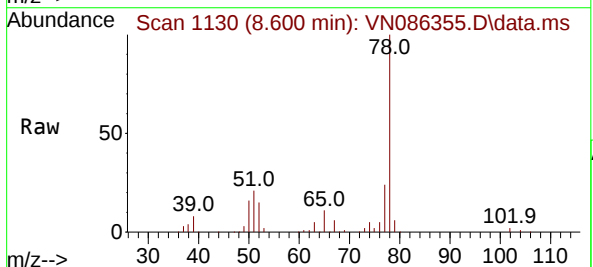
Tgt Ion:117 Resp: 6433
Ion Ratio Lower Upper
117 100
119 98.7 78.3 117.5
121 28.4 22.5 33.7

Manual Integrations
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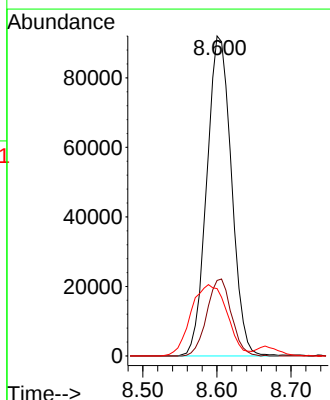
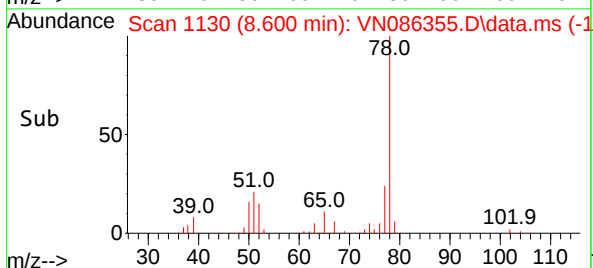
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

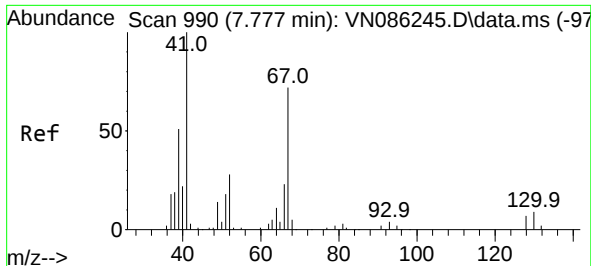


#34
Benzene
Concen: 20.052 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



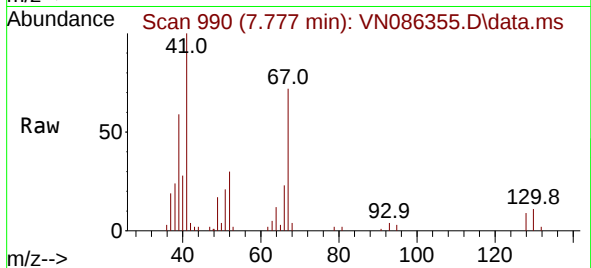
Tgt Ion: 78 Resp: 212510
Ion Ratio Lower Upper
78 100
77 23.6 20.0 30.0
51 19.4 12.9 19.3#





#35
Methacrylonitrile
Concen: 17.962 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

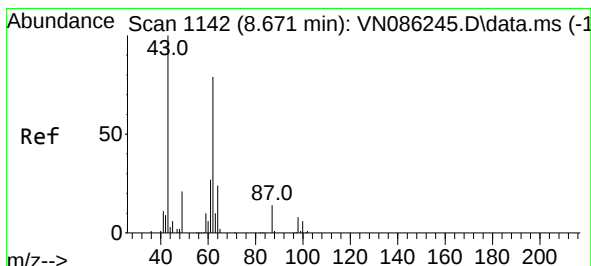
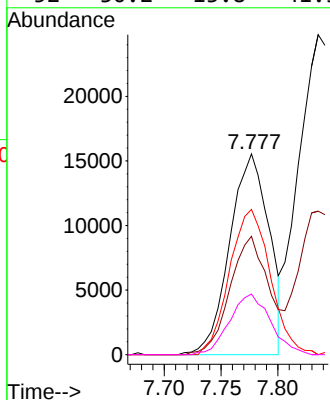
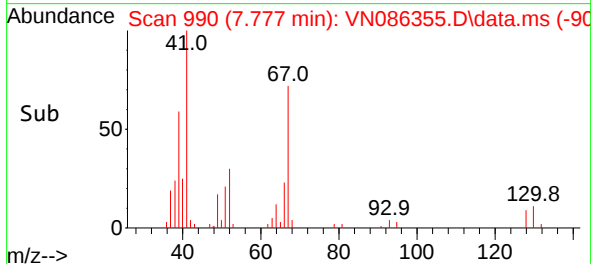
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



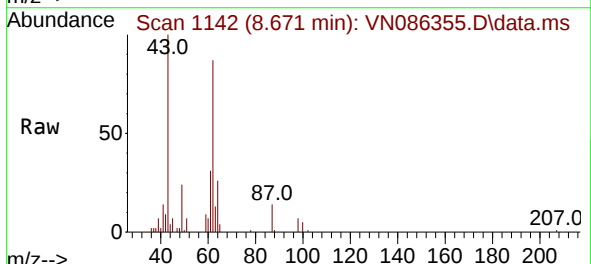
Tgt Ion: 41 Resp: 37378
Ion Ratio Lower Upper
41 100
39 59.0 25.8 77.3
67 72.3 36.0 108.0
52 30.2 13.8 41.3

Manual Integrations
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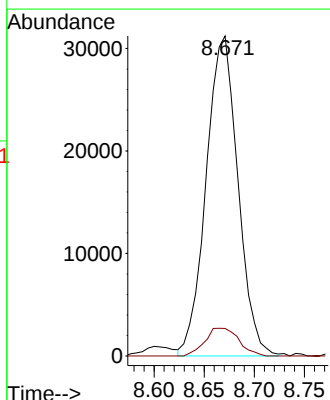
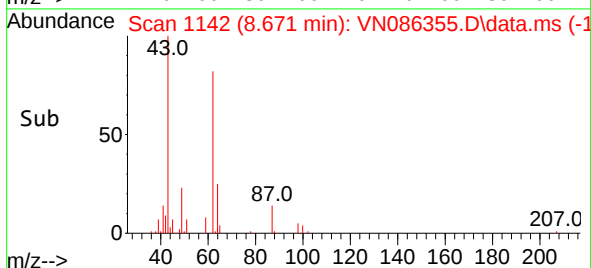
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

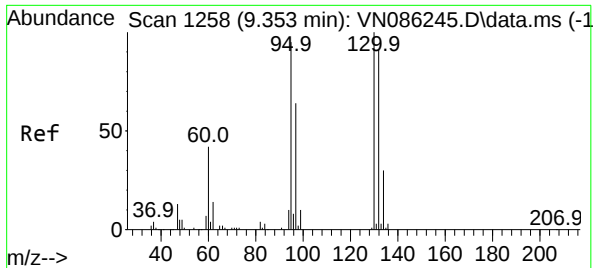


#36
1,2-Dichloroethane
Concen: 20.778 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



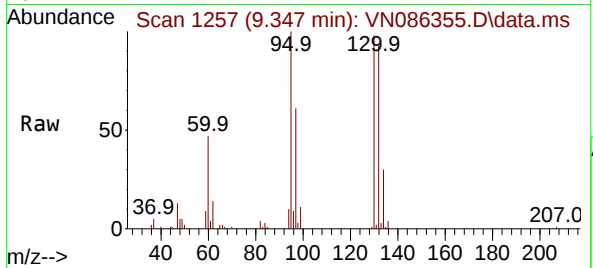
Tgt Ion: 62 Resp: 68911
Ion Ratio Lower Upper
62 100
98 9.2 8.6 12.8





#37
Trichloroethene
Concen: 20.042 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

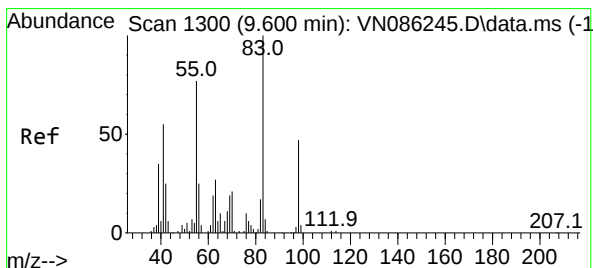
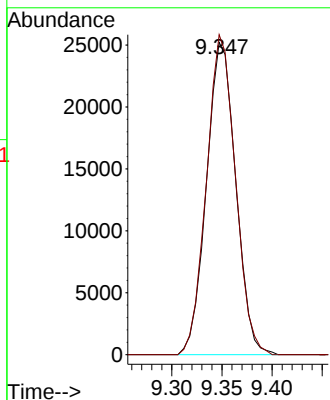
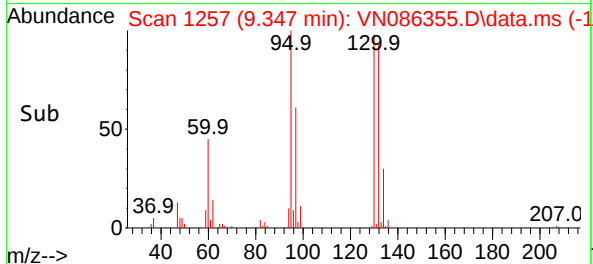
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



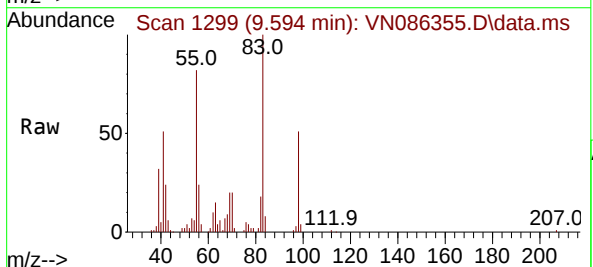
Tgt Ion:130 Resp: 51250
Ion Ratio Lower Upper
130 100
95 102.4 76.4 114.6

Manual Integrations
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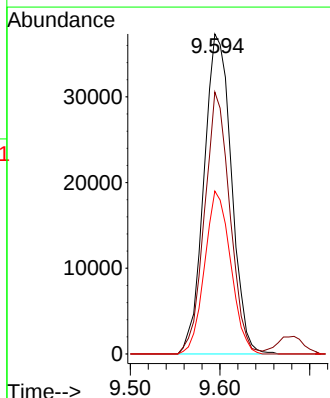
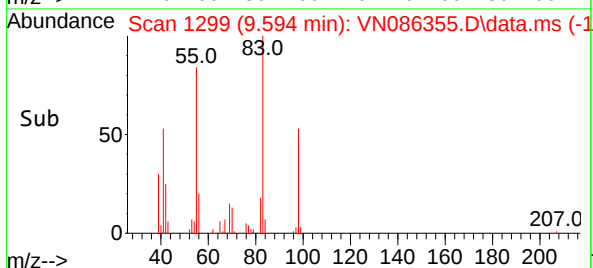
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

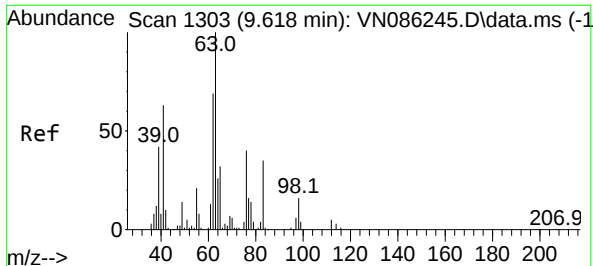


#38
Methylcyclohexane
Concen: 19.406 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



Tgt Ion: 83 Resp: 79284
Ion Ratio Lower Upper
83 100
55 75.9 38.5 115.5
98 48.4 24.4 73.2





#39

1,2-Dichloropropane

Concen: 19.900 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086355.D

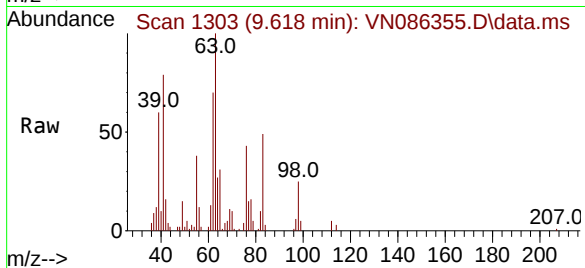
Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01



Tgt Ion: 63 Resp: 52478

Ion Ratio Lower Upper

63 100

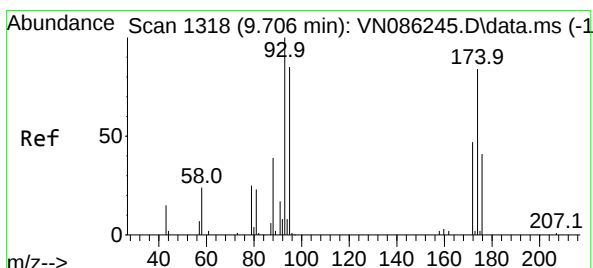
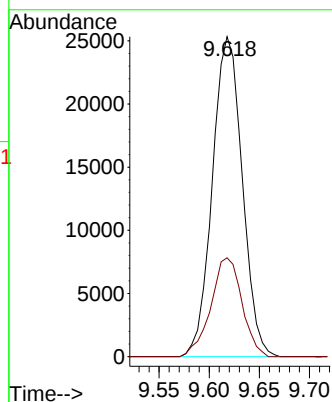
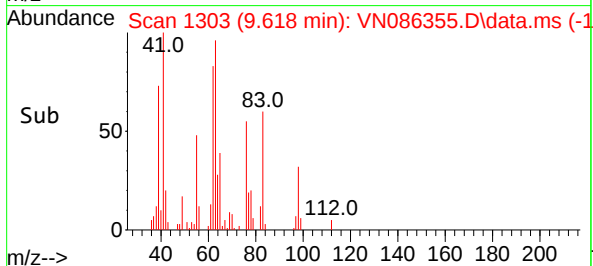
65 30.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#40

Dibromomethane

Concen: 20.608 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

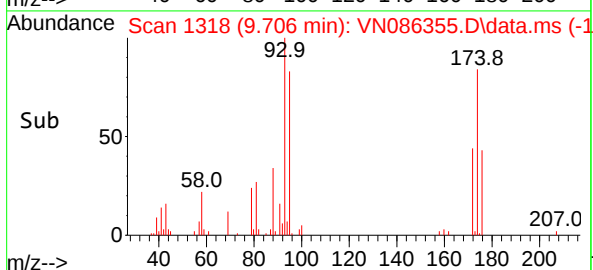
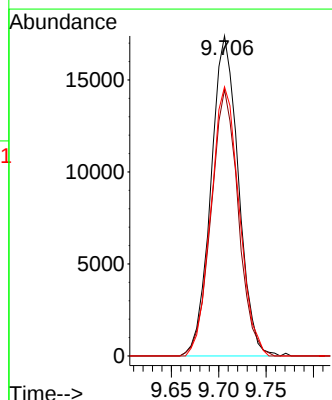
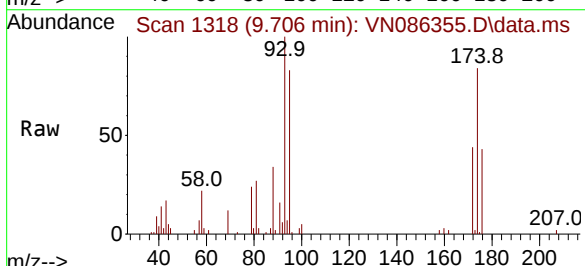
Tgt Ion: 93 Resp: 35101

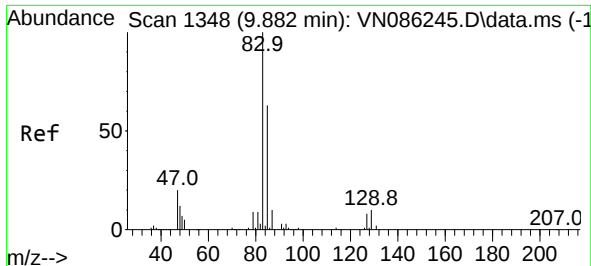
Ion Ratio Lower Upper

93 100

95 82.3 0.0 169.0

174 86.2 0.0 168.0





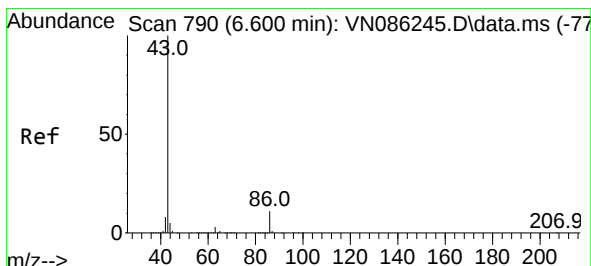
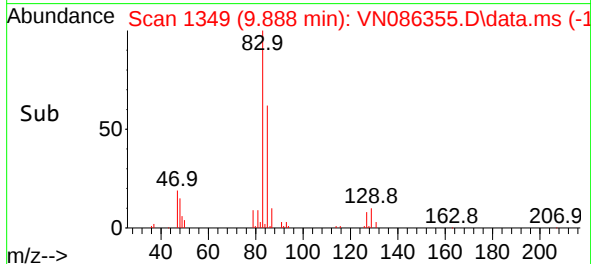
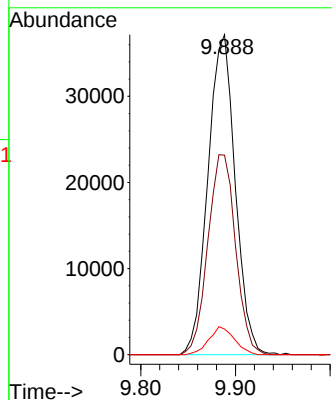
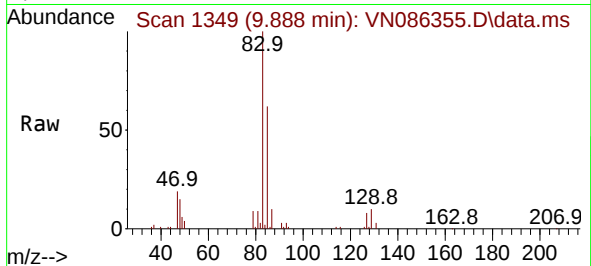
#41
Bromodichloromethane
Concen: 20.336 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion: 83 Resp: 7441
Ion Ratio Lower Upper
83 100
85 62.4 50.2 75.2
127 8.0 6.2 9.4

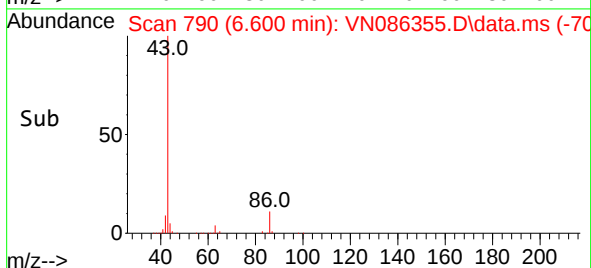
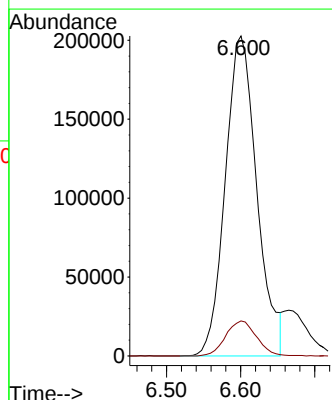
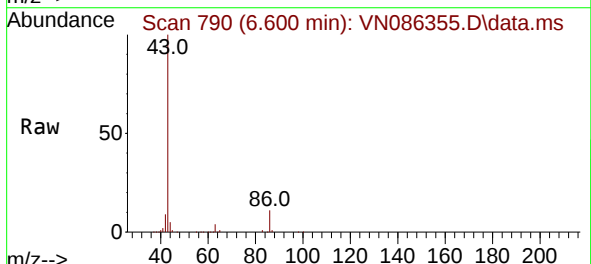
Manual Integrations
APPROVED

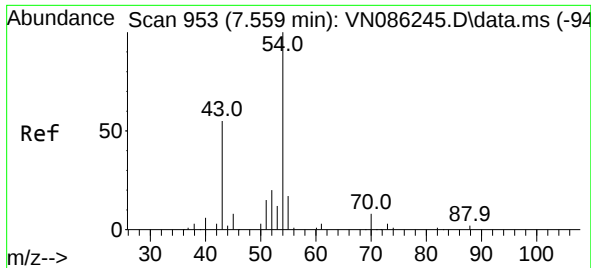
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#42
Vinyl Acetate
Concen: 95.588 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion: 43 Resp: 600622
Ion Ratio Lower Upper
43 100
86 10.7 8.4 12.6





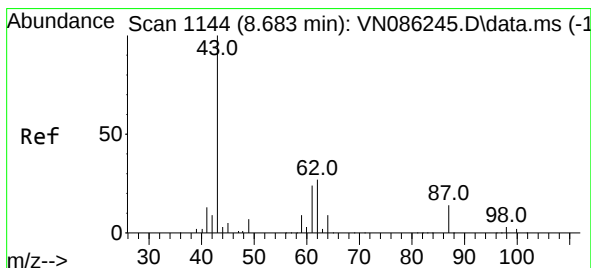
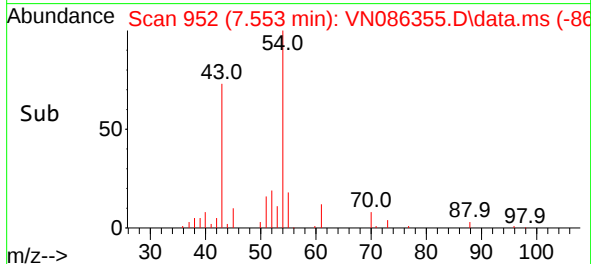
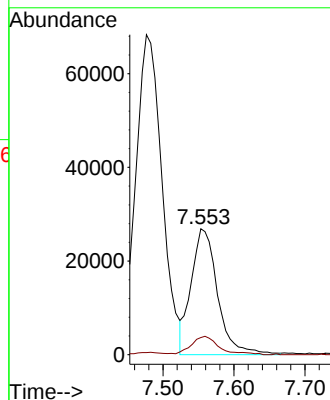
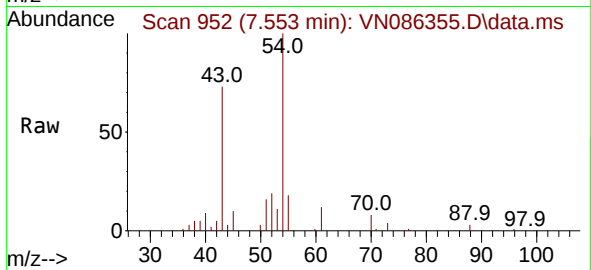
#43
Ethyl Acetate
Concen: 18.736 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion: 43 Resp: 6975
Ion Ratio Lower Upper
43 100
45 15.1 11.2 16.8

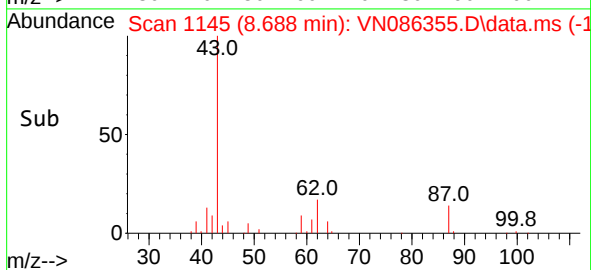
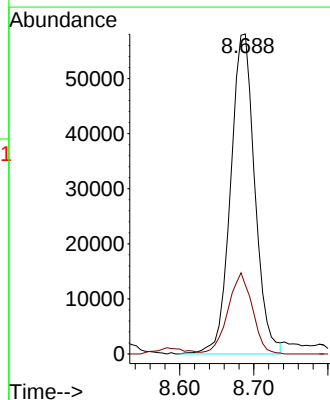
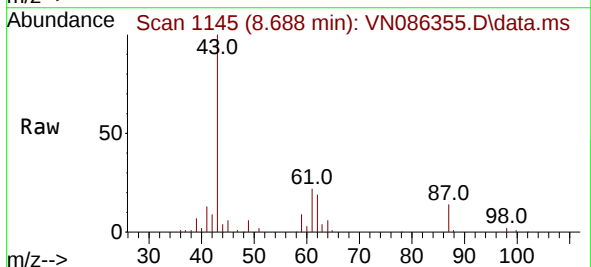
Manual Integrations
APPROVED

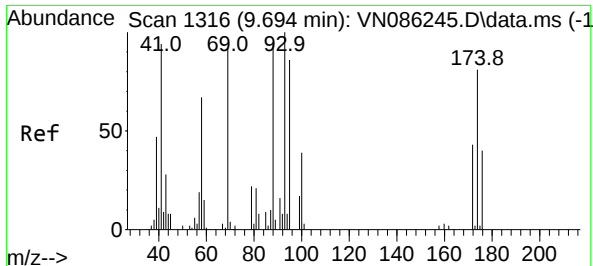
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#44
Isopropyl Acetate
Concen: 19.068 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion: 43 Resp: 131708
Ion Ratio Lower Upper
43 100
61 25.5 20.5 30.7





#45

1,4-Dioxane

Concen: 396.124 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01

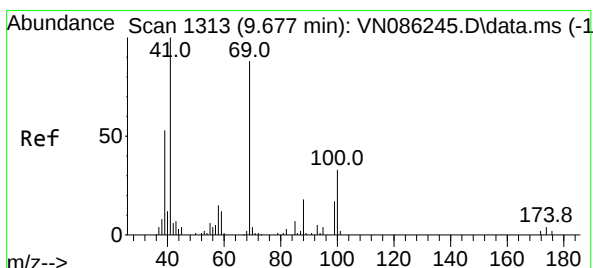
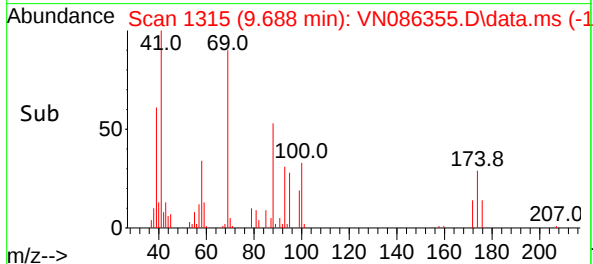
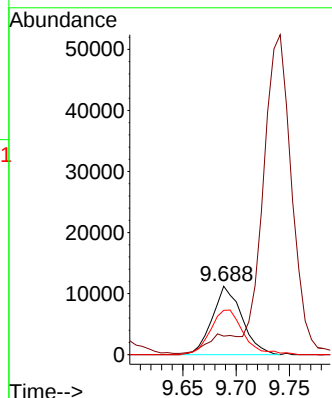
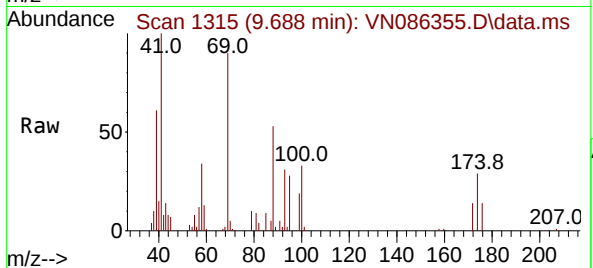
Tgt Ion:	88	Resp:	2175
Ion Ratio	Lower	Upper	
88	100		
43	31.7	14.4	21.6
58	70.0	59.8	89.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#46

Methyl methacrylate

Concen: 18.946 ug/l

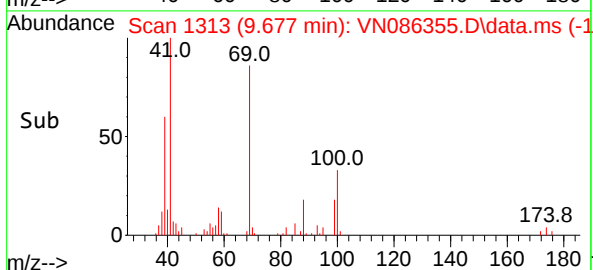
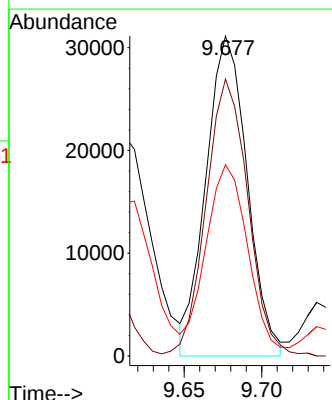
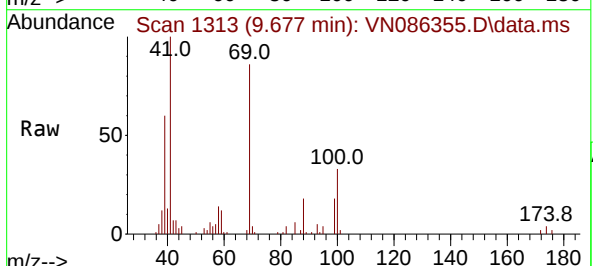
RT: 9.677 min Scan# 1313

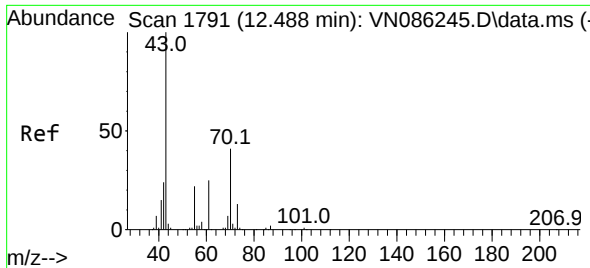
Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

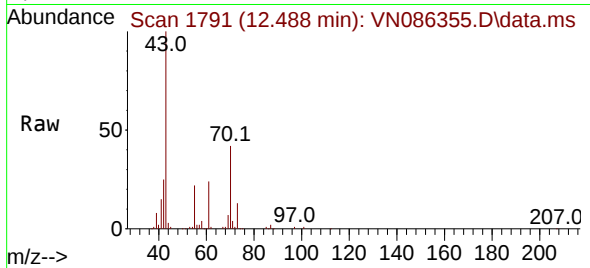
Tgt Ion:	41	Resp:	57659
Ion Ratio	Lower	Upper	
41	100		
69	86.7	43.2	129.6
39	59.6	26.4	79.0





#47
n-amy1 Acetate
Concen: 19.794 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

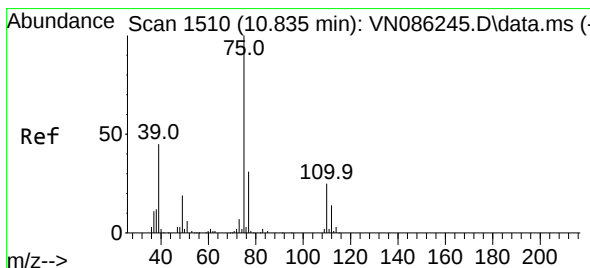
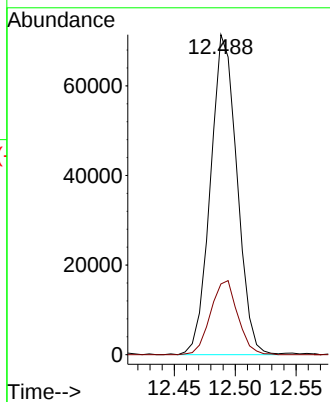
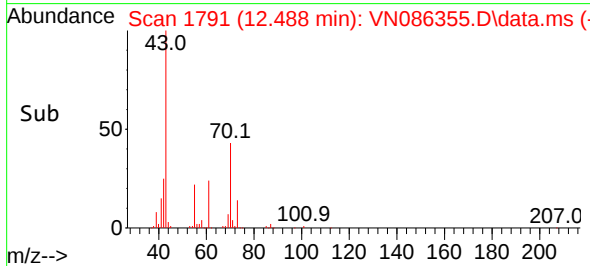
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 43 Resp: 10840
Ion Ratio Lower Upper
43 100
55 23.7 19.0 28.4

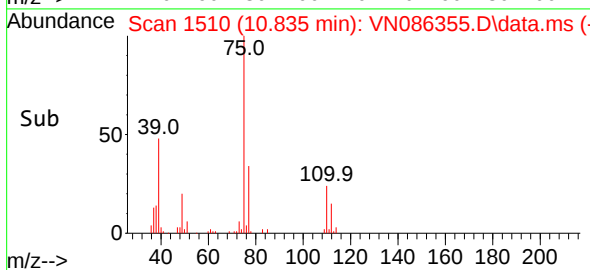
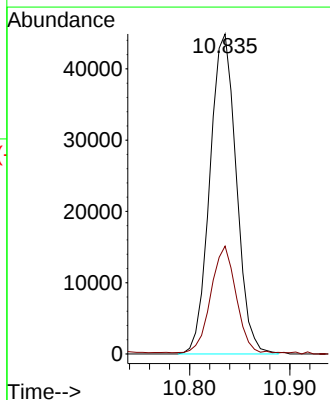
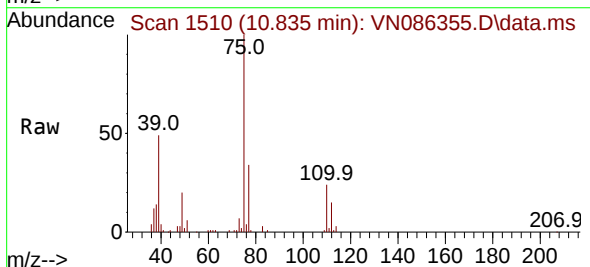
Manual Integrations
APPROVED

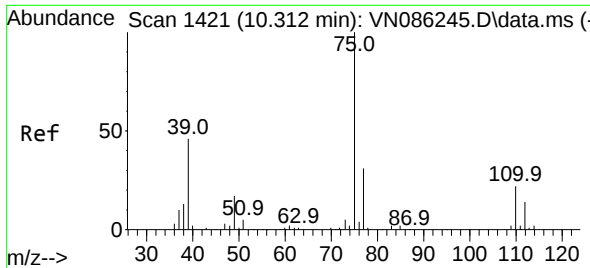
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#48
t-1,3-Dichloropropene
Concen: 19.918 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

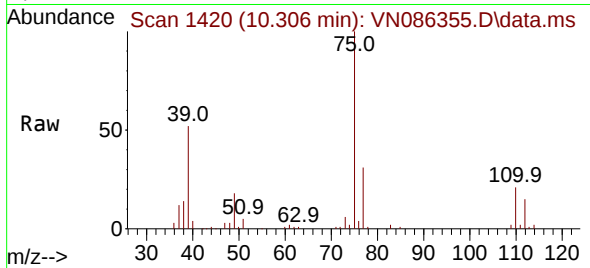
Tgt Ion: 75 Resp: 82393
Ion Ratio Lower Upper
75 100
77 33.3 25.1 37.7





#49
 cis-1,3-Dichloropropene
 Concen: 19.878 ug/l
 RT: 10.306 min Scan# 1420
 Delta R.T. -0.006 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14

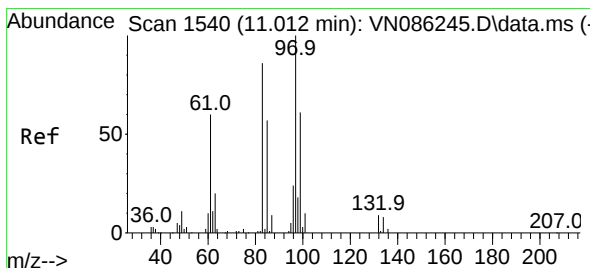
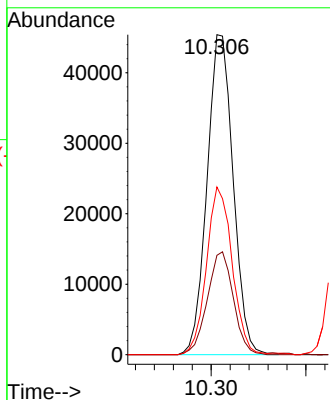
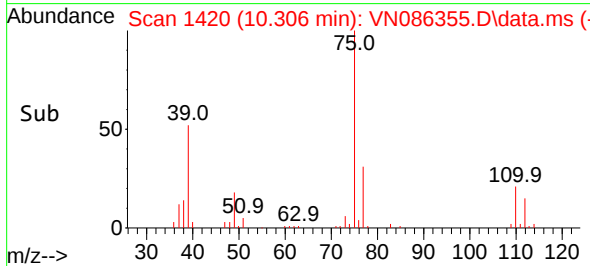
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBS01



Tgt Ion: 75 Resp: 87029
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4
 39 52.4 36.7 55.1

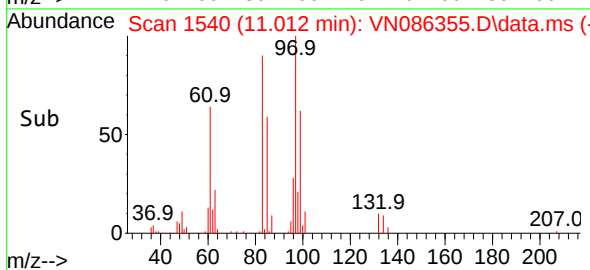
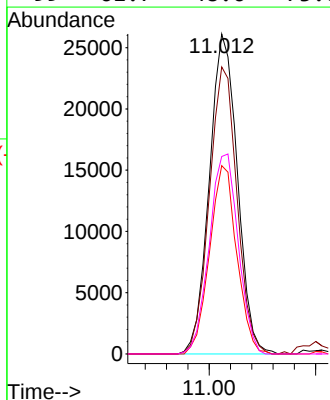
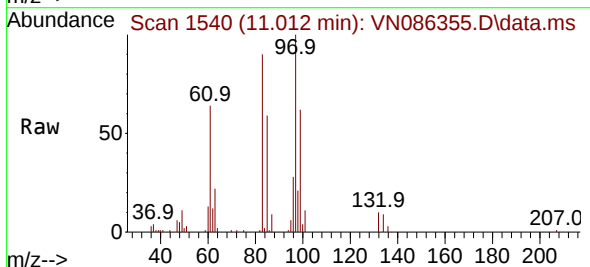
Manual Integrations
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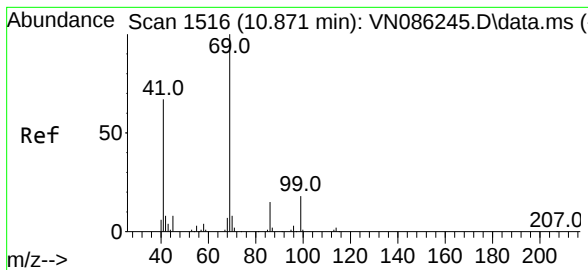
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025



#50
 1,1,2-Trichloroethane
 Concen: 19.982 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14

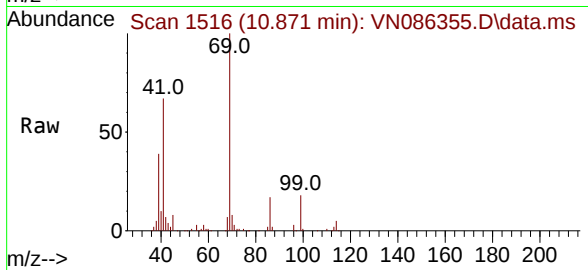
Tgt Ion: 97 Resp: 47736
 Ion Ratio Lower Upper
 97 100
 83 89.7 68.6 103.0
 85 58.8 45.9 68.9
 99 61.7 48.6 73.0





#51
Ethyl methacrylate
Concen: 19.444 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

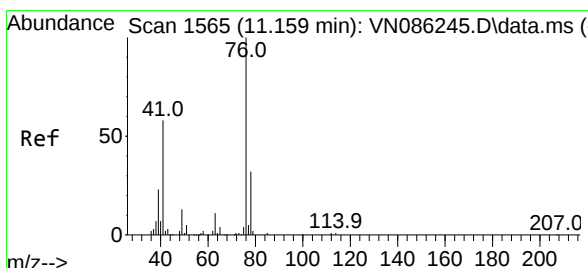
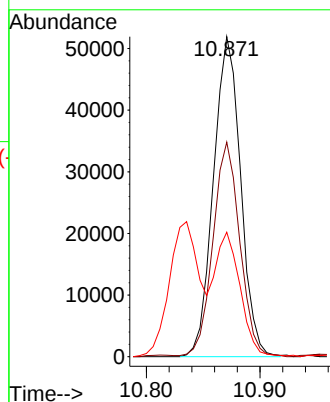
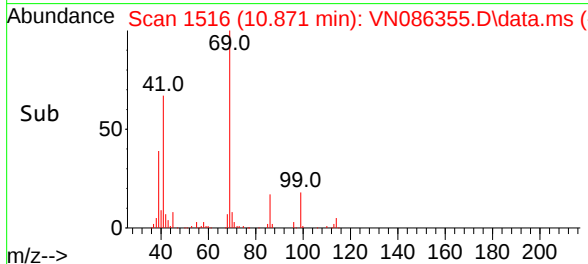
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



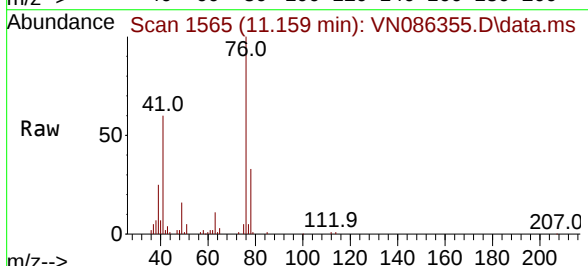
Tgt Ion: 69 Resp: 86320
Ion Ratio Lower Upper
69 100
41 66.7 33.6 100.6
39 38.5 17.8 53.4

Manual Integrations
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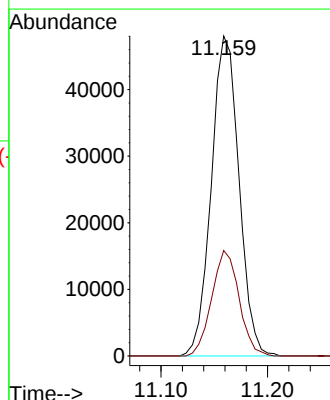
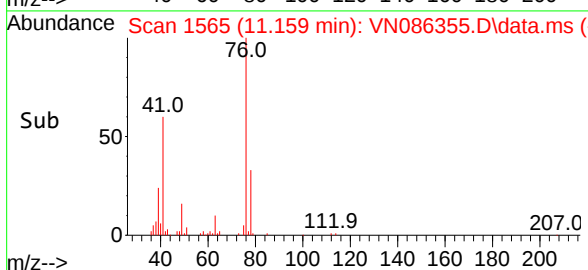
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

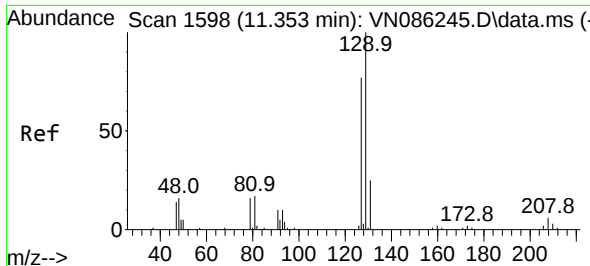


#52
1,3-Dichloropropane
Concen: 20.351 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



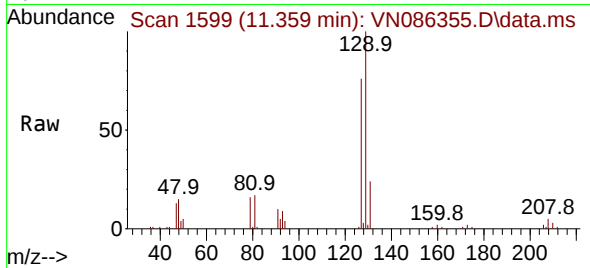
Tgt Ion: 76 Resp: 86649
Ion Ratio Lower Upper
76 100
78 32.5 0.0 64.6





#53
Dibromochloromethane
Concen: 20.511 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

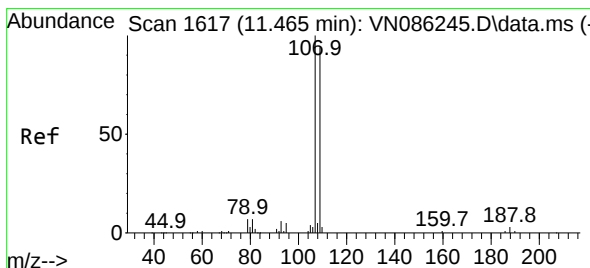
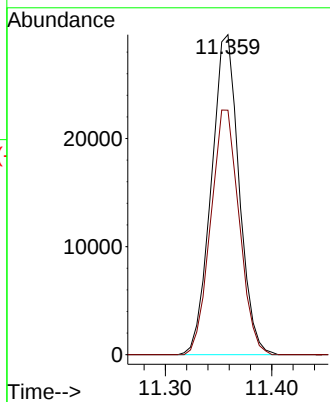
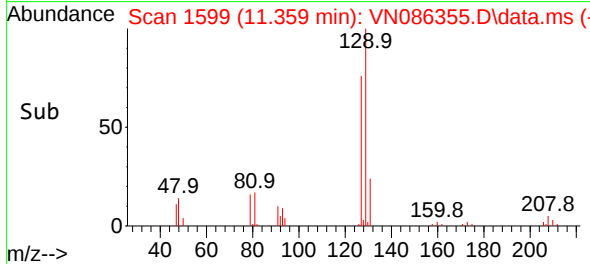
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



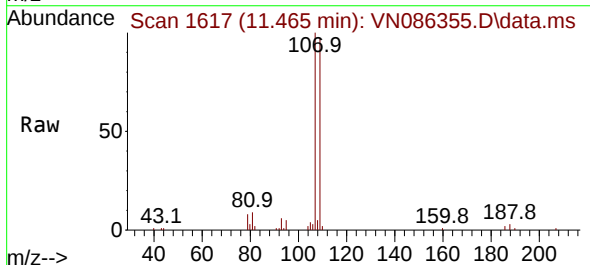
Tgt Ion:129 Resp: 53590
Ion Ratio Lower Upper
129 100
127 78.3 38.5 115.5

Manual Integrations
APPROVED

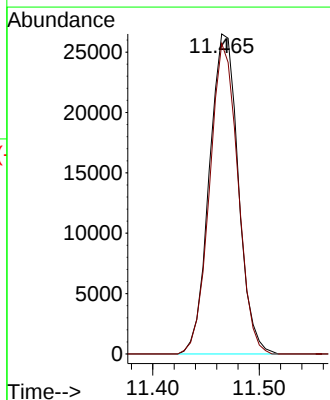
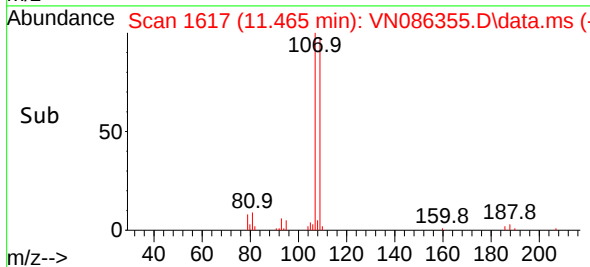
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

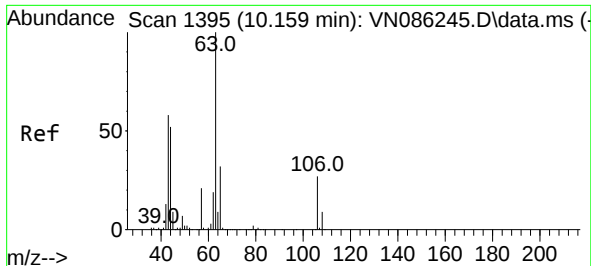


#54
1,2-Dibromoethane
Concen: 20.781 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



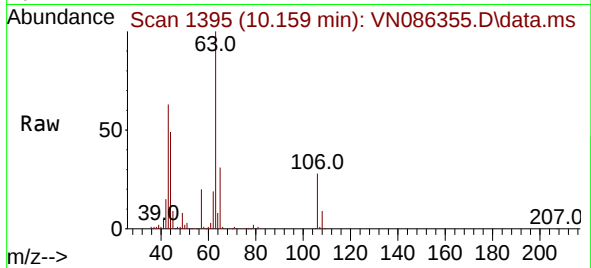
Tgt Ion:107 Resp: 50112
Ion Ratio Lower Upper
107 100
109 94.4 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 119.243 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

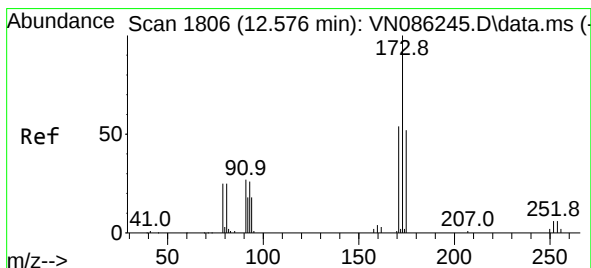
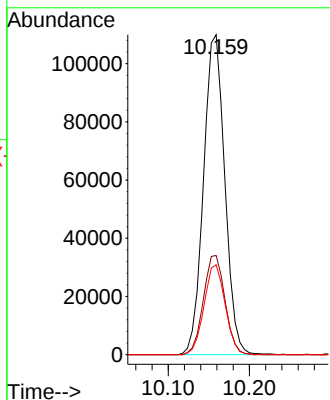
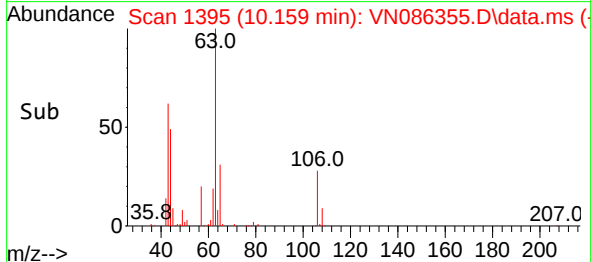
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 63 Resp: 200029
Ion Ratio Lower Upper
63 100
65 31.5 25.8 38.8
106 27.9 21.8 32.8

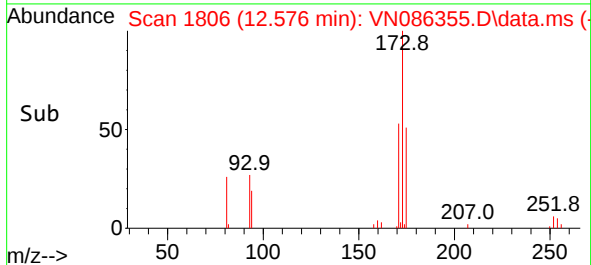
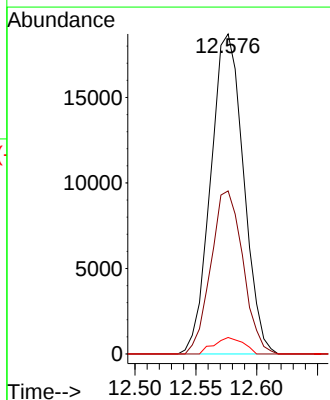
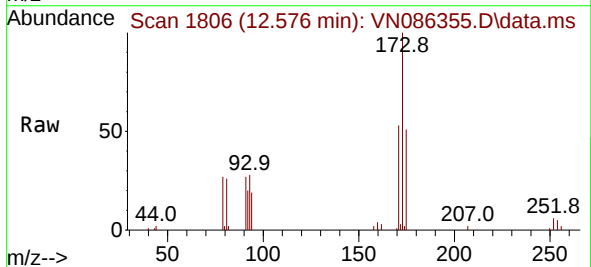
Manual Integrations
APPROVED

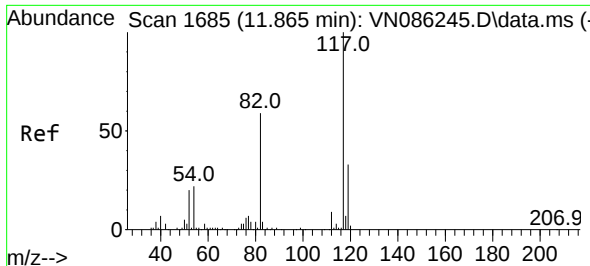
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#56
Bromoform
Concen: 20.548 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

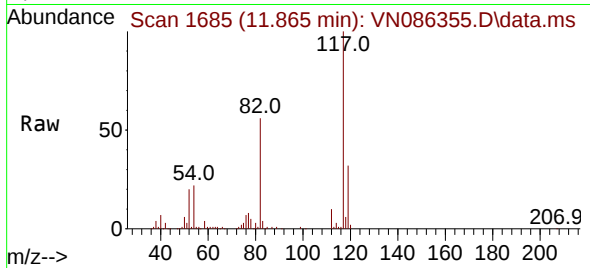
Tgt Ion:173 Resp: 35128
Ion Ratio Lower Upper
173 100
175 49.7 38.2 57.4
254 4.6 4.5 6.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

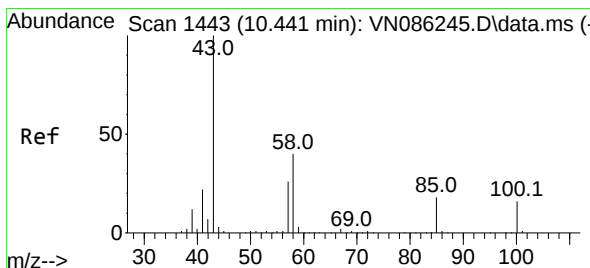
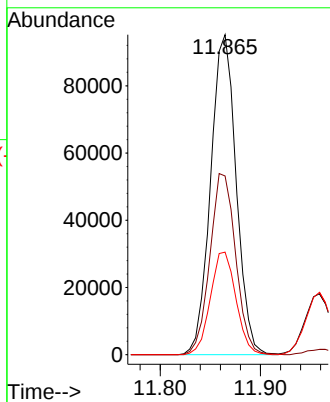
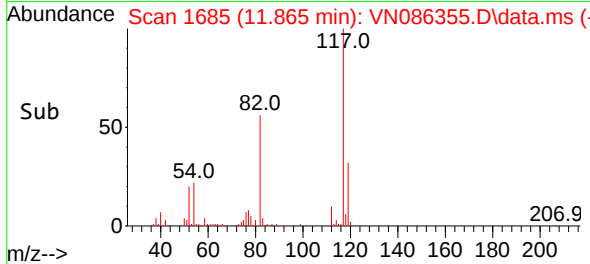
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 117 Resp: 16884
Ion Ratio Lower Upper
117 100
82 57.1 47.3 70.9
119 32.0 25.9 38.9

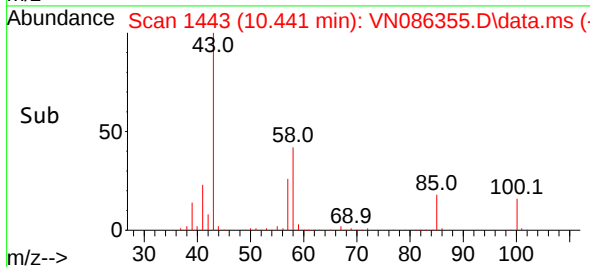
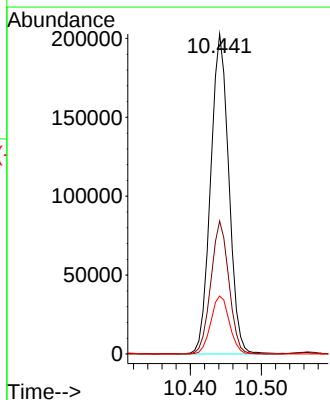
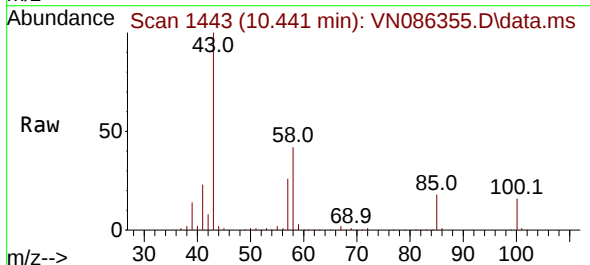
Manual Integrations
APPROVED

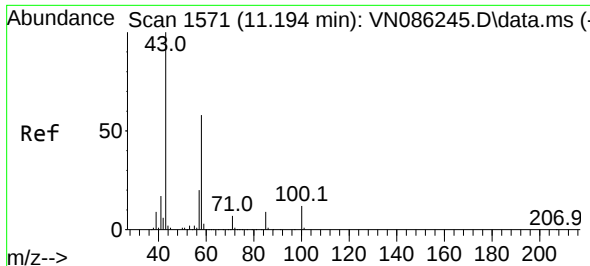
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#58
4-Methyl-2-Pentanone
Concen: 94.012 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

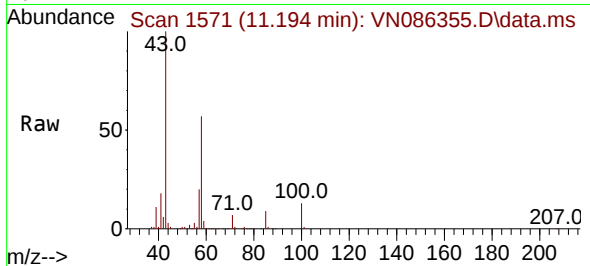
Tgt Ion: 43 Resp: 360222
Ion Ratio Lower Upper
43 100
58 41.0 32.5 48.7
85 18.4 14.4 21.6





#59
2-Hexanone
Concen: 94.123 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

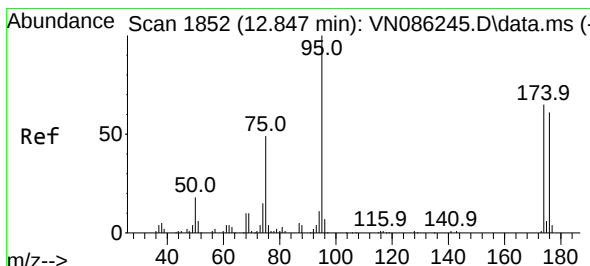
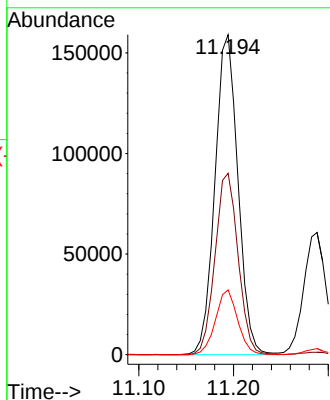
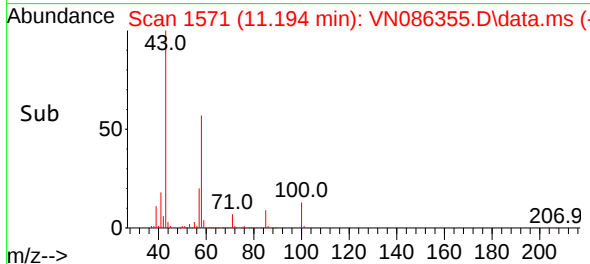
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion: 43 Resp: 268548
Ion Ratio Lower Upper
43 100
58 56.8 45.3 67.9
57 19.5 15.8 23.6

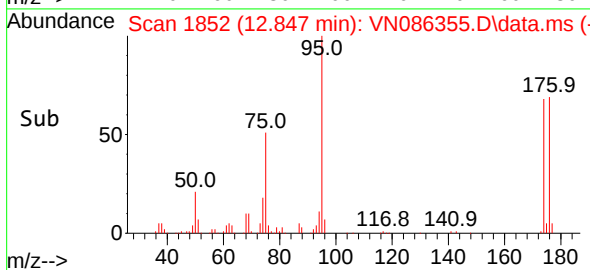
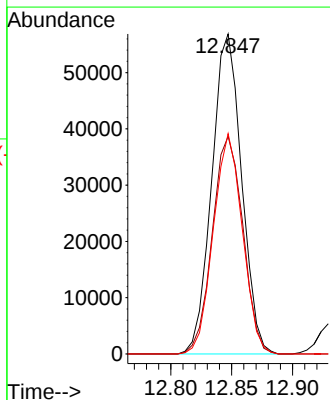
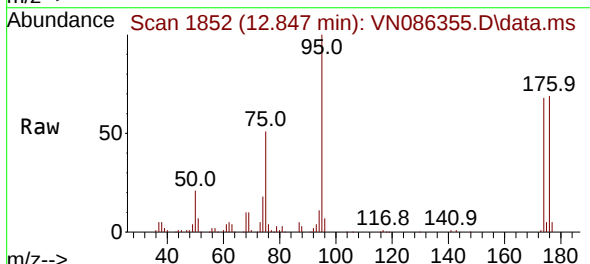
Manual Integrations
APPROVED

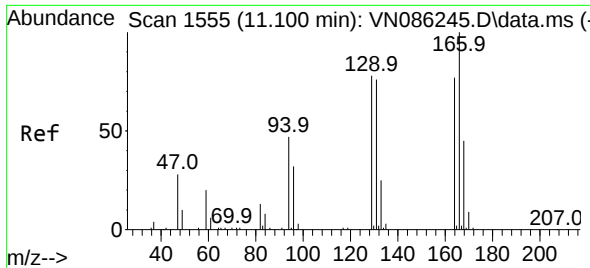
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#60
4-Bromofluorobenzene
Concen: 28.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

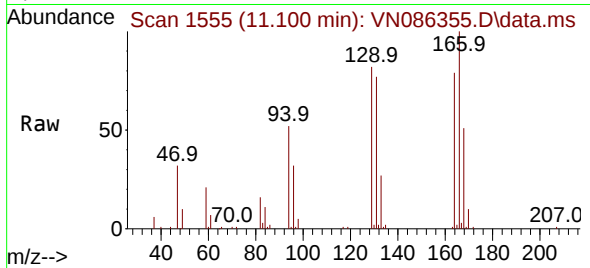
Tgt Ion: 95 Resp: 96854
Ion Ratio Lower Upper
95 100
174 69.7 52.7 79.1
176 67.1 49.8 74.8





#61
Tetrachloroethene
Concen: 19.809 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

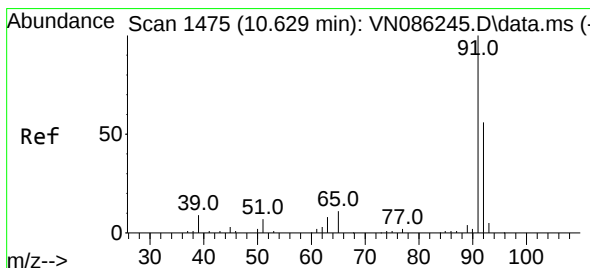
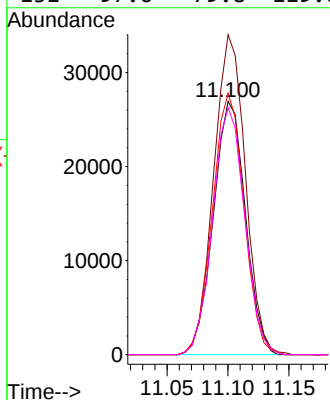
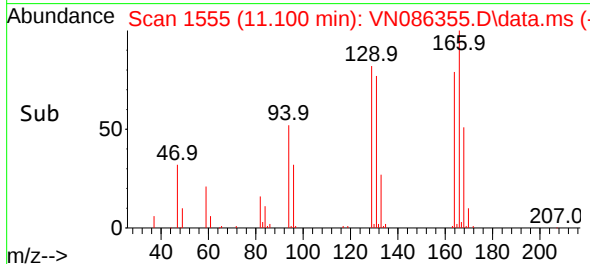
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



Tgt Ion:164 Resp: 49394
Ion Ratio Lower Upper
164 100
166 126.4 104.5 156.7
129 103.2 81.7 122.5
131 97.6 79.8 119.6

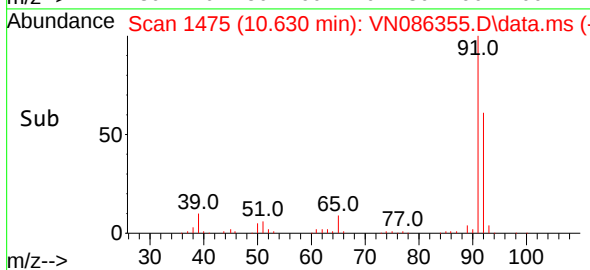
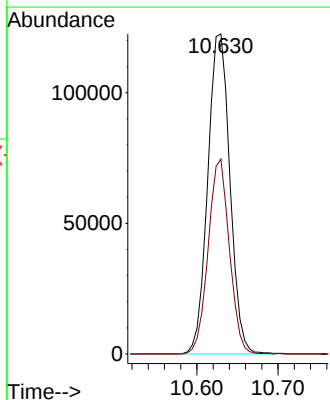
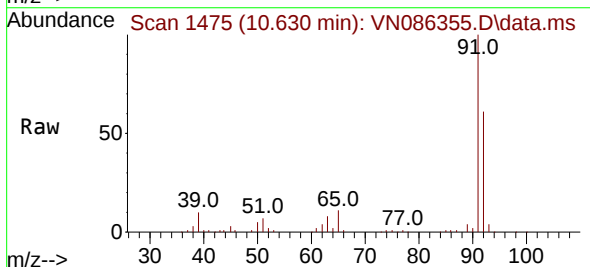
Manual Integrations
APPROVED

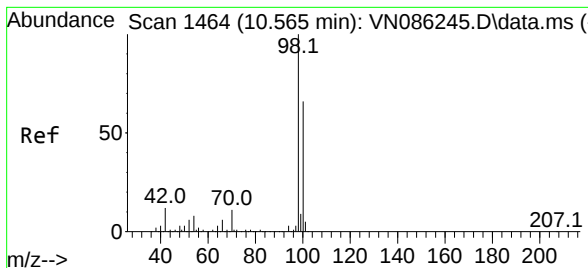
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#62
Toluene
Concen: 20.529 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

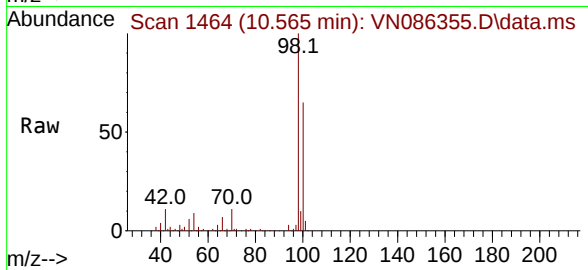
Tgt Ion: 91 Resp: 232489
Ion Ratio Lower Upper
91 100
92 58.1 46.8 70.2





#63
Toluene-d8
Concen: 29.270 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

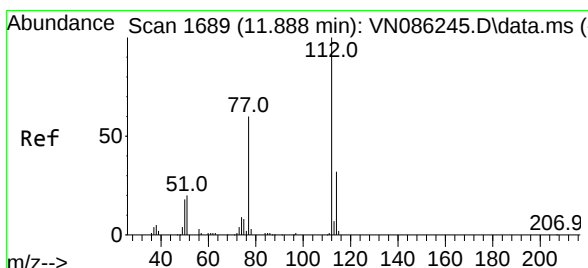
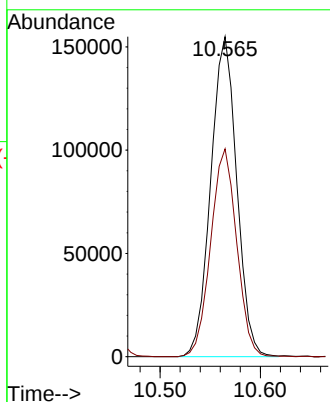
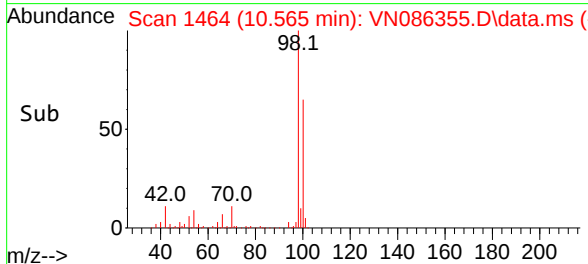
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



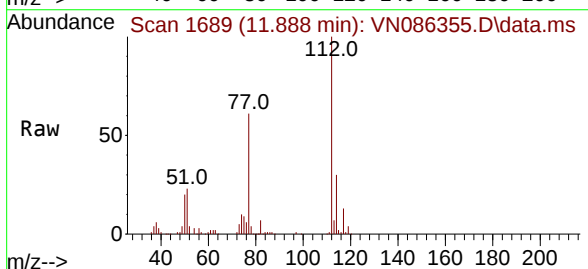
Tgt Ion: 98 Resp: 279010
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5

Manual Integrations
APPROVED

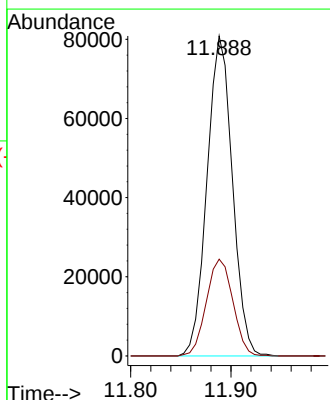
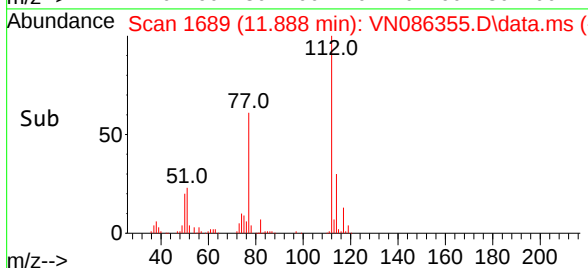
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

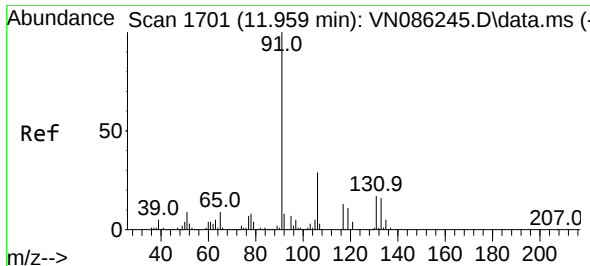


#64
Chlorobenzene
Concen: 20.554 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



Tgt Ion:112 Resp: 142213
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.6





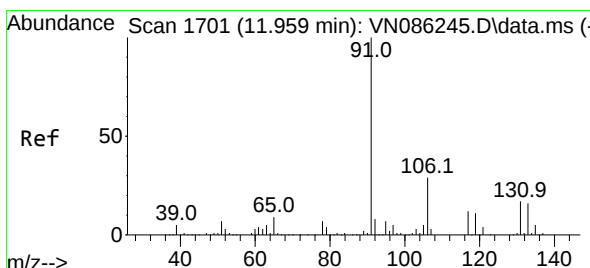
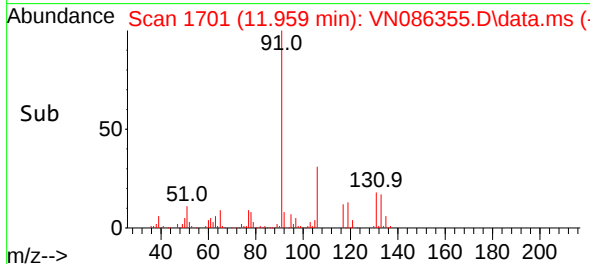
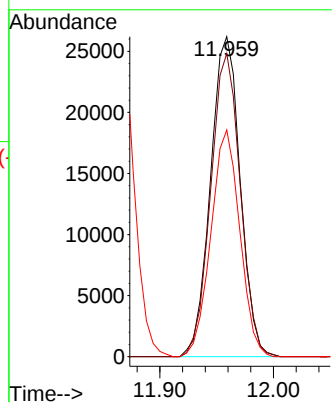
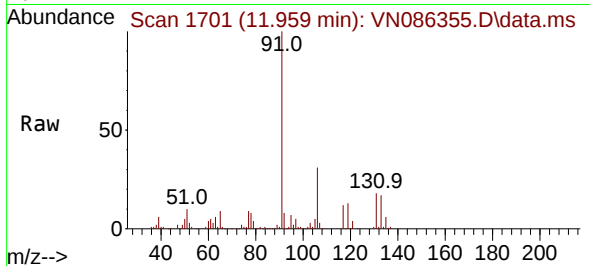
#65
1,1,1,2-Tetrachloroethane
Concen: 20.822 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion:131 Resp: 47540
Ion Ratio Lower Upper
131 100
133 94.3 0.0 190.4
119 69.0 0.0 135.6

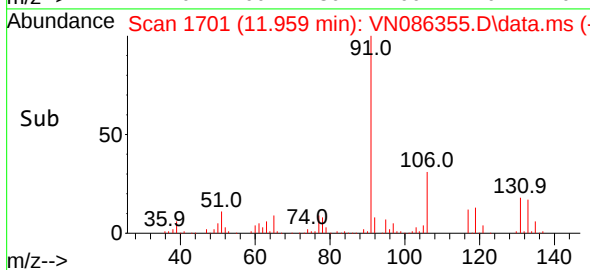
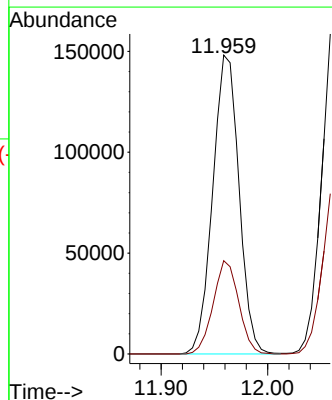
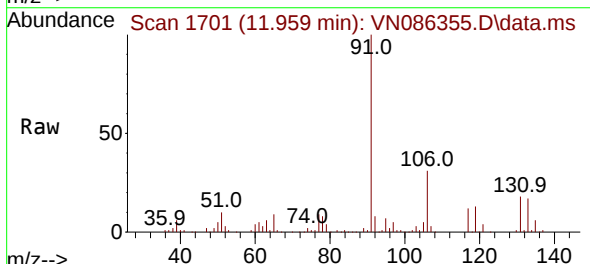
Manual Integrations
APPROVED

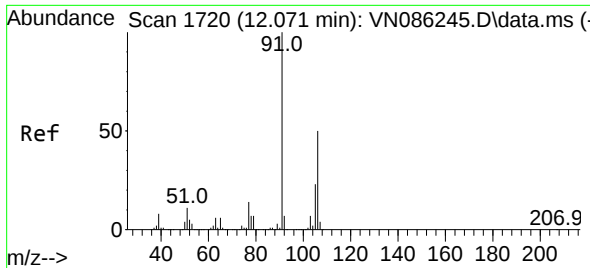
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#66
Ethyl Benzene
Concen: 20.218 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion: 91 Resp: 253935
Ion Ratio Lower Upper
91 100
106 31.2 23.4 35.0





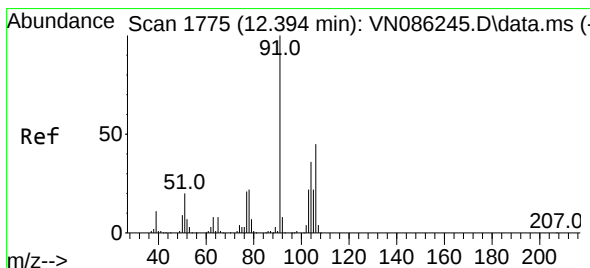
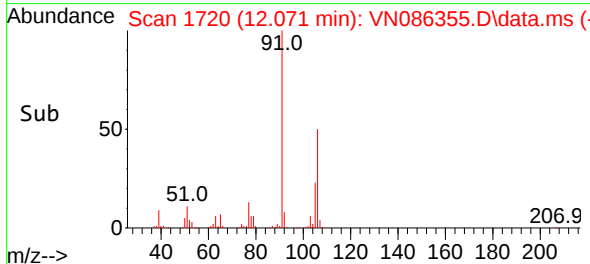
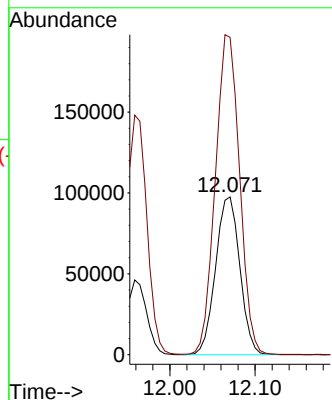
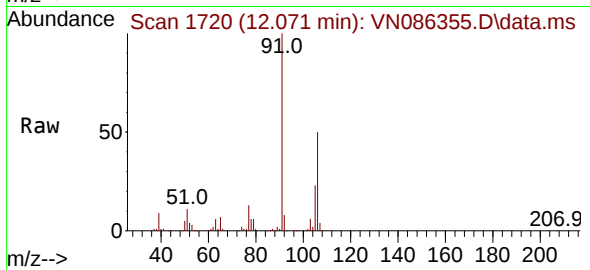
#67
m/p-Xylenes
Concen: 41.321 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion:106 Resp: 192975
Ion Ratio Lower Upper
106 100
91 203.3 164.5 246.7

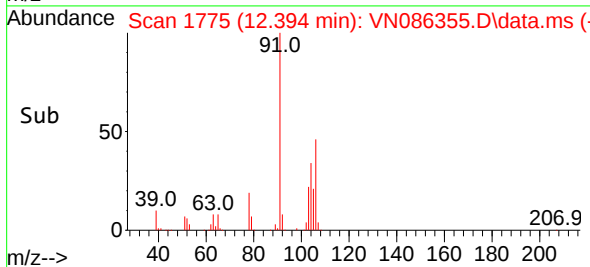
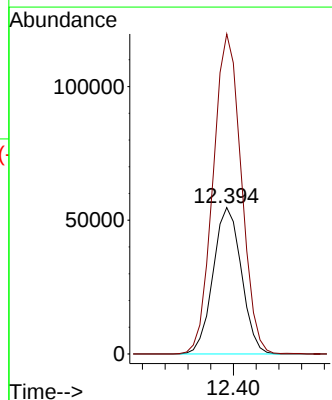
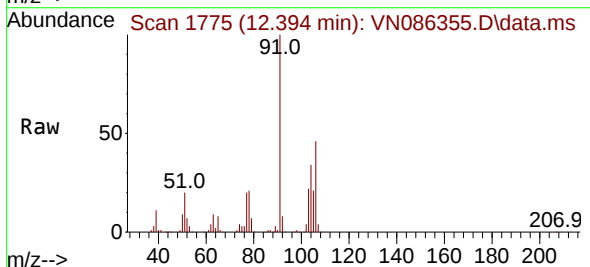
Manual Integrations
APPROVED

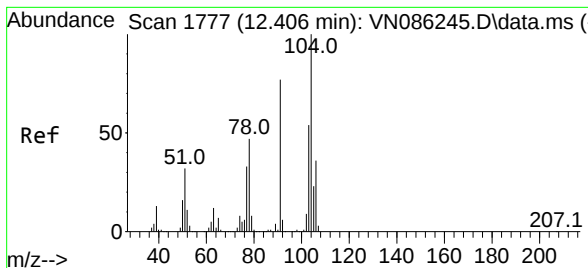
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#68
o-Xylene
Concen: 20.601 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion:106 Resp: 94630
Ion Ratio Lower Upper
106 100
91 217.9 109.8 329.4





#69

Styrene

Concen: 20.381 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01

Tgt Ion:104 Resp: 15788

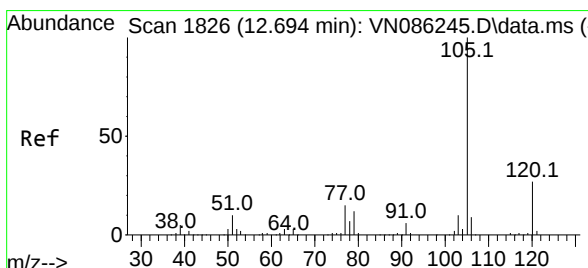
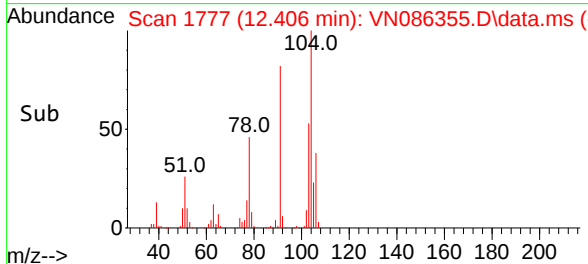
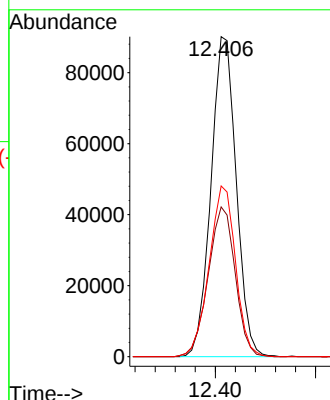
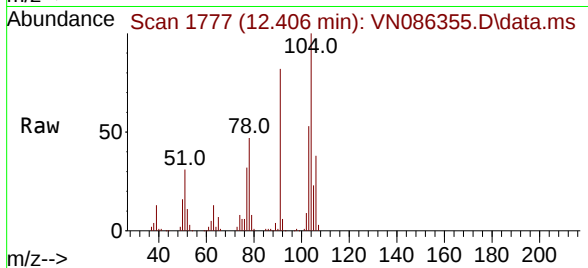
Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.4	62.0
103	55.7	44.2	66.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#70

Isopropylbenzene

Concen: 20.852 ug/l

RT: 12.694 min Scan# 1826

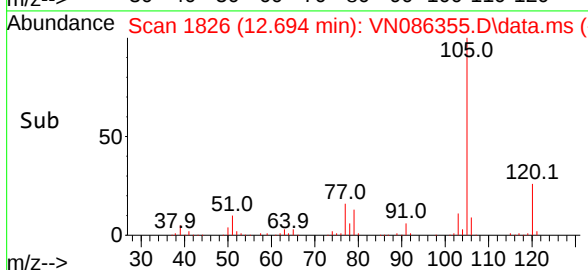
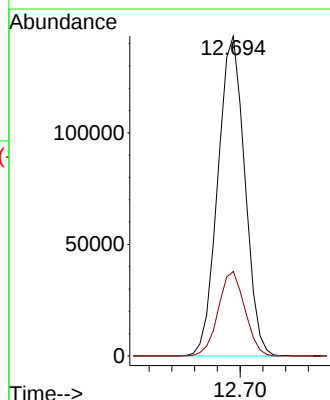
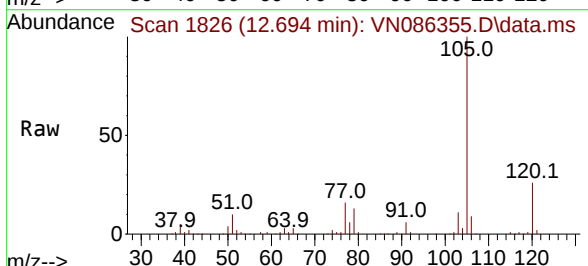
Delta R.T. 0.000 min

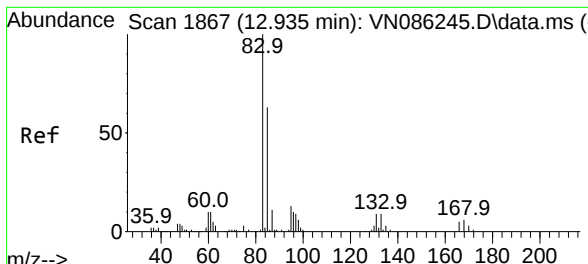
Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Tgt Ion:105 Resp: 236174

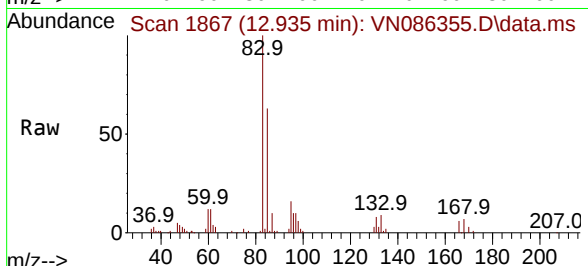
Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.3	34.1





#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.010 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14

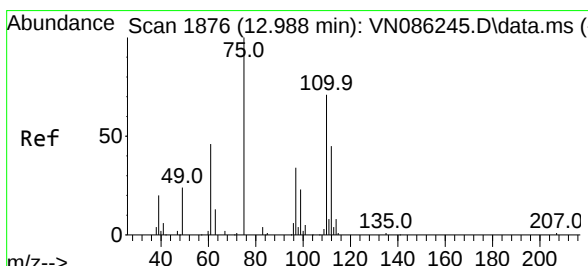
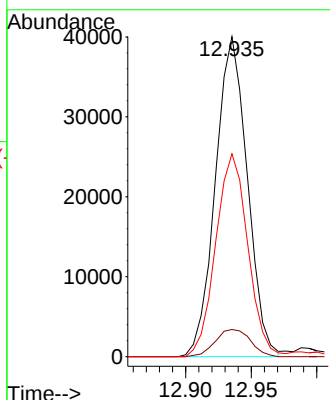
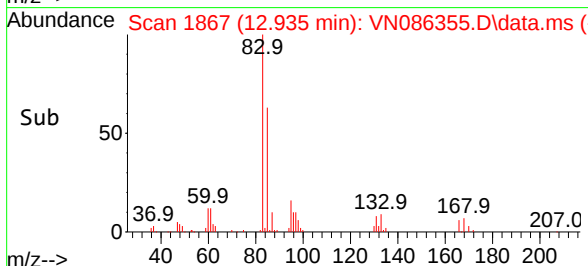
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBS01



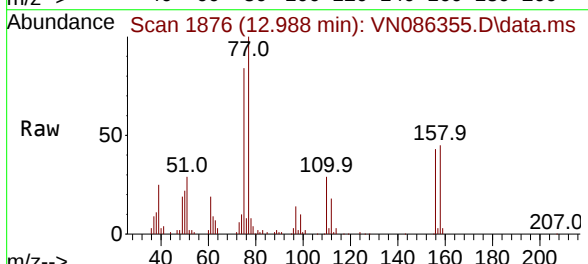
Tgt Ion: 83 Resp: 6773
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 63.7 32.3 96.8

Manual Integrations
 APPROVED

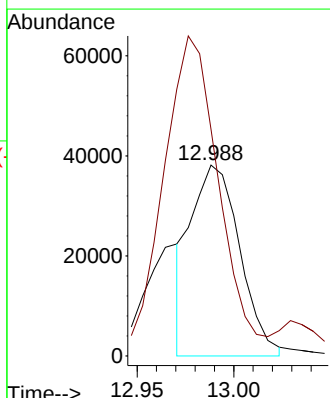
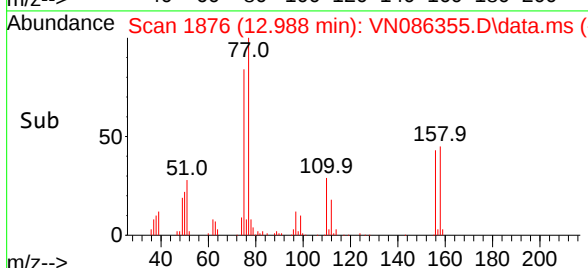
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

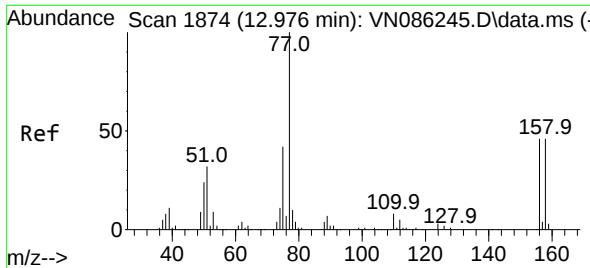


#72
 1,2,3-Trichloropropane
 Concen: 19.885 ug/l m
 RT: 12.988 min Scan# 1876
 Delta R.T. 0.000 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14



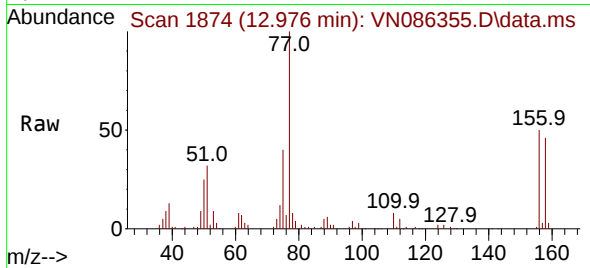
Tgt Ion: 75 Resp: 66728
 Ion Ratio Lower Upper
 75 100
 77 191.6 0.0 380.0





#73
Bromobenzene
Concen: 21.629 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

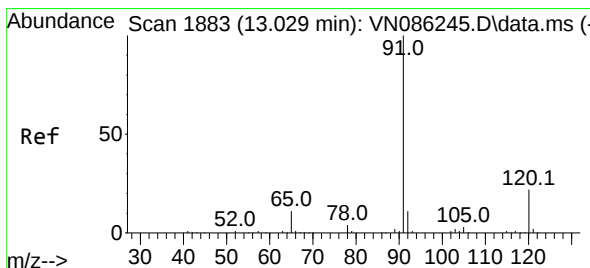
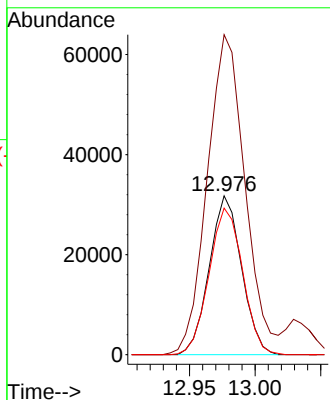
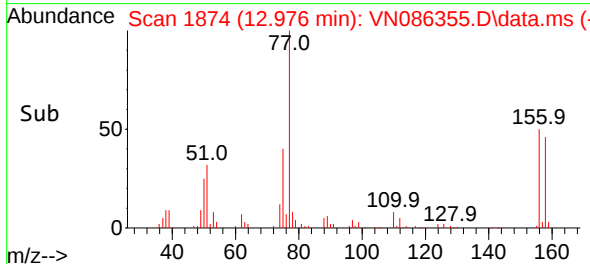
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



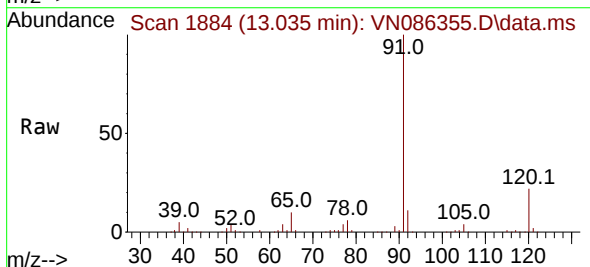
Tgt Ion:156 Resp: 54268
Ion Ratio Lower Upper
156 100
77 235.6 0.0 505.2
158 96.4 0.0 195.0

Manual Integrations
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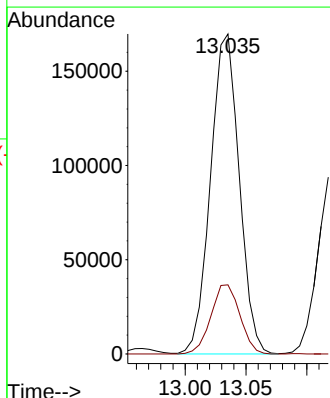
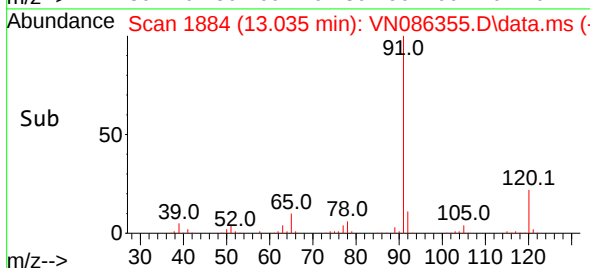
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

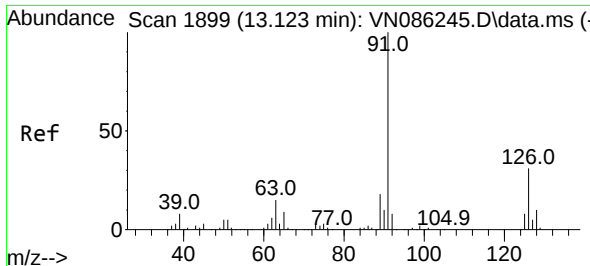


#74
n-propylbenzene
Concen: 20.823 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



Tgt Ion: 91 Resp: 278479
Ion Ratio Lower Upper
91 100
120 21.8 0.0 44.0





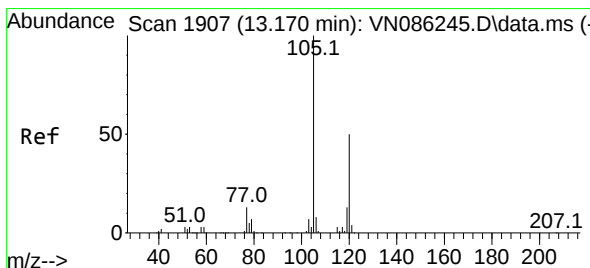
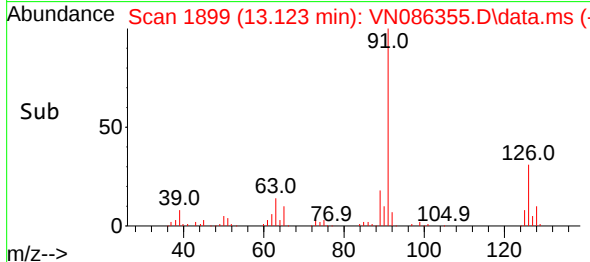
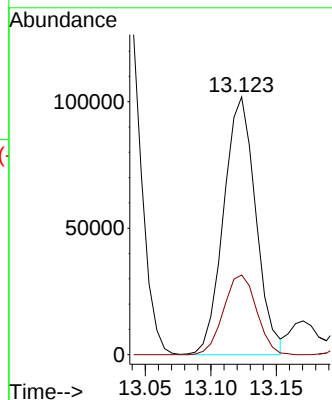
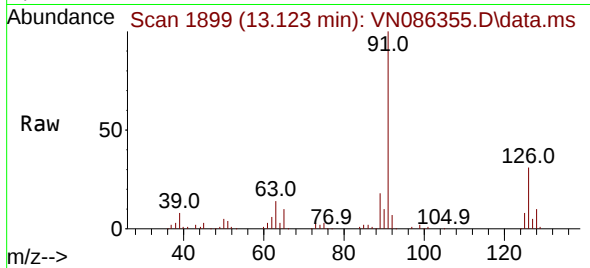
#75
2-Chlorotoluene
Concen: 20.687 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion: 91 Resp: 173900
Ion Ratio Lower Upper
91 100
126 31.7 0.0 63.4

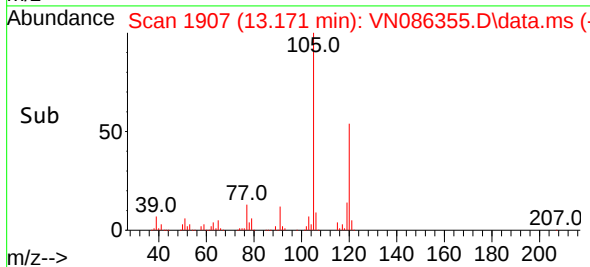
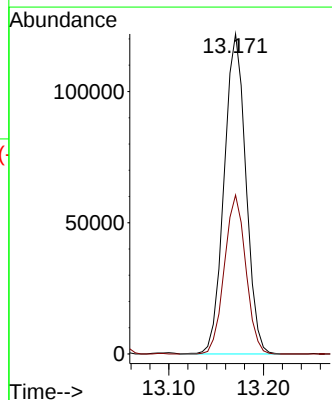
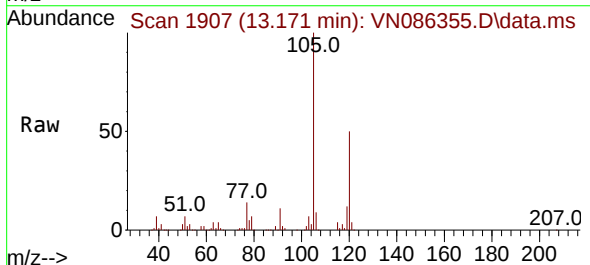
Manual Integrations
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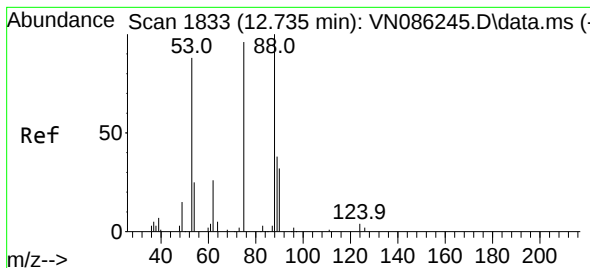
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.870 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion:105 Resp: 194170
Ion Ratio Lower Upper
105 100
120 48.7 0.0 98.0





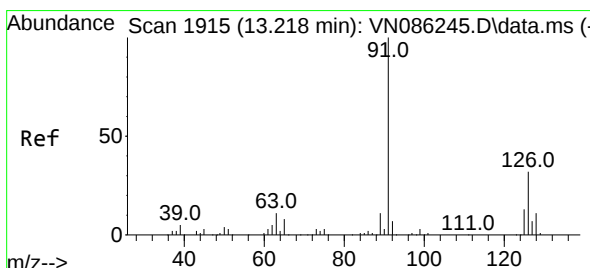
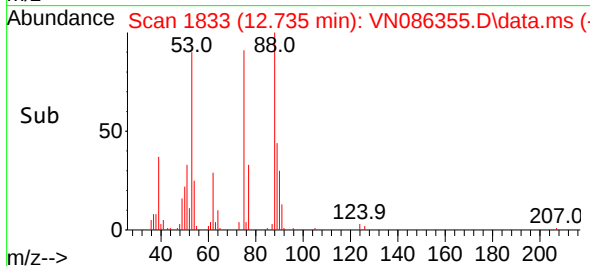
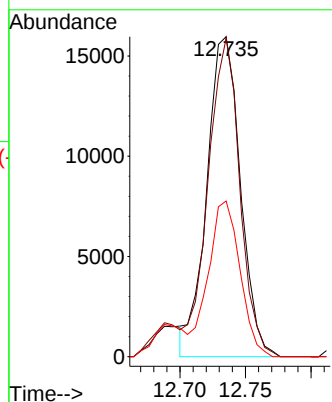
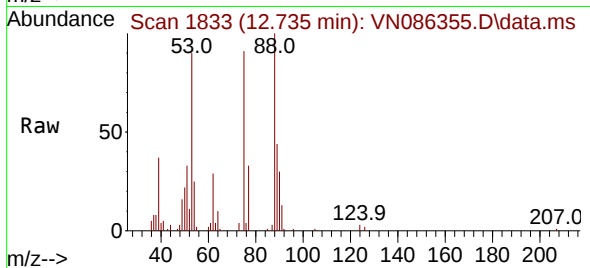
#77
t-1,4-Dichloro-2-butene
Concen: 18.399 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion: 75 Resp: 28469
Ion Ratio Lower Upper
75 100
53 99.5 46.4 139.2
89 48.7 22.5 67.5

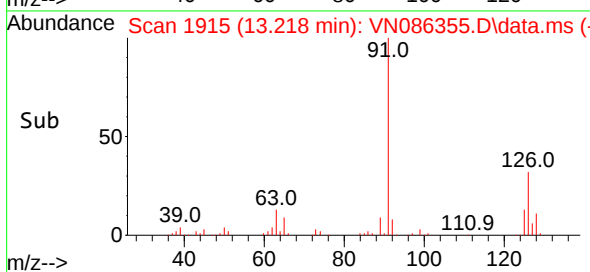
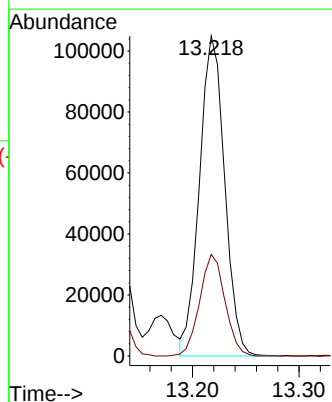
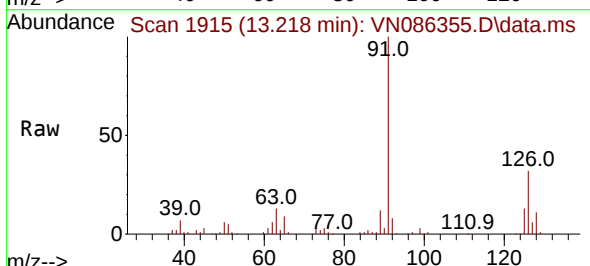
Manual Integrations
APPROVED

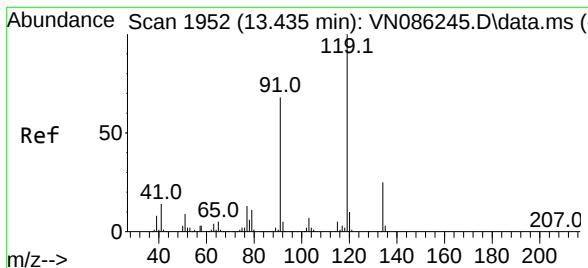
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#78
4-Chlorotoluene
Concen: 20.578 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

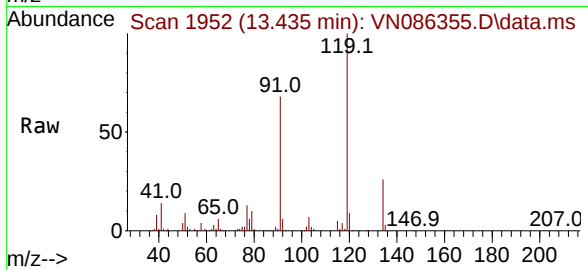
Tgt Ion: 91 Resp: 172758
Ion Ratio Lower Upper
91 100
126 31.8 0.0 63.2





#79
tert-butylbenzene
Concen: 20.799 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

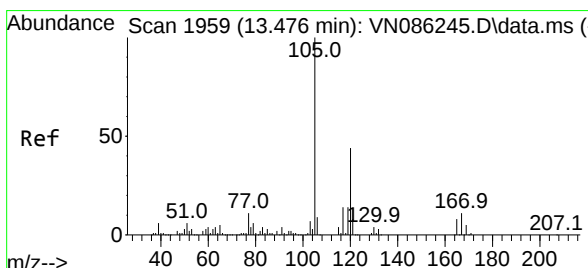
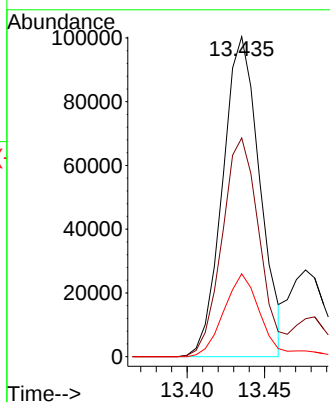
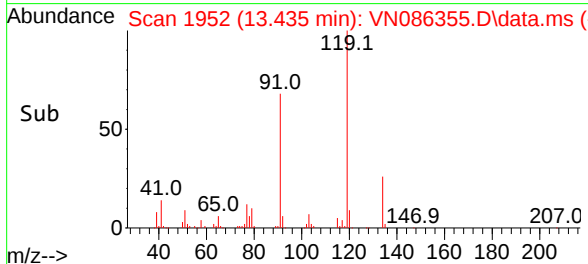
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



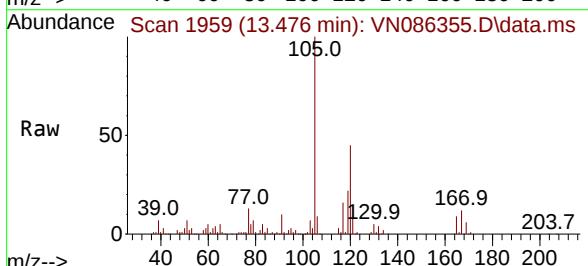
Tgt Ion:119 Resp: 16744
Ion Ratio Lower Upper
119 100
91 69.2 0.0 136.6
134 24.8 0.0 49.4

Manual Integrations
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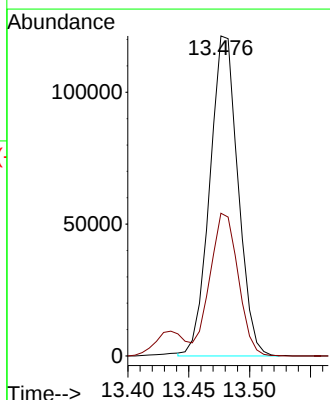
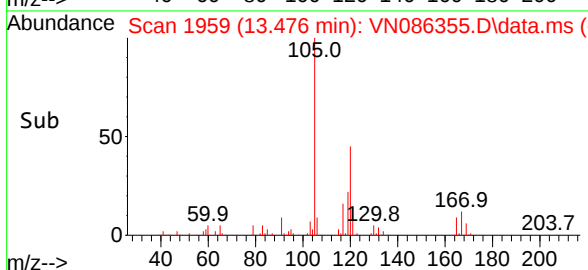
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

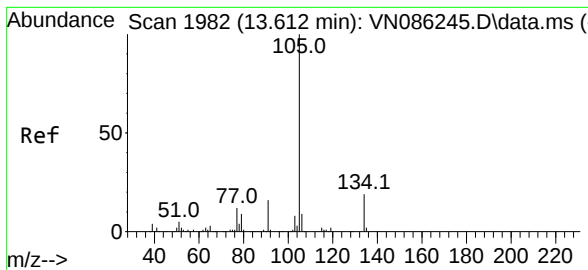


#80
1,2,4-Trimethylbenzene
Concen: 20.755 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



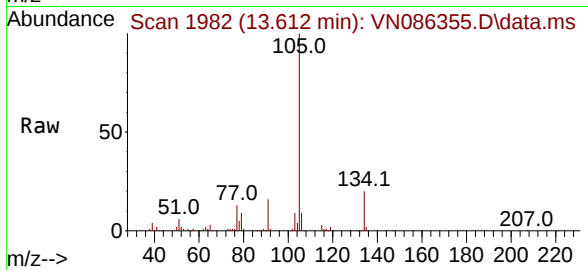
Tgt Ion:105 Resp: 195810
Ion Ratio Lower Upper
105 100
120 44.5 0.0 91.0





#81
 sec-Butylbenzene
 Concen: 21.377 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14

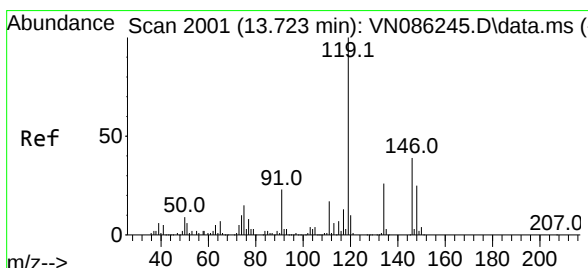
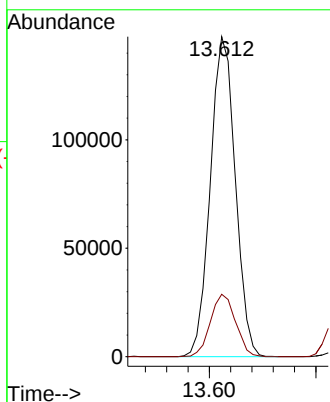
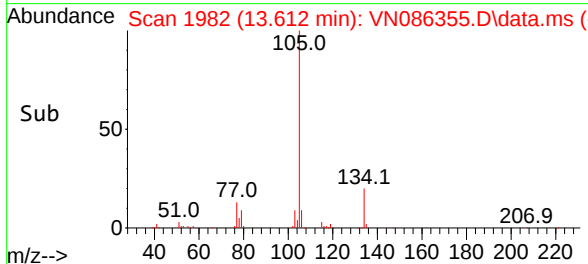
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBS01



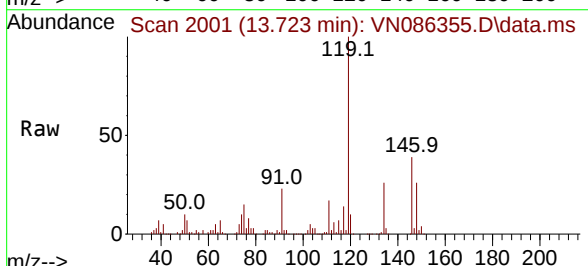
Tgt Ion:105 Resp: 240060
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.6

Manual Integrations
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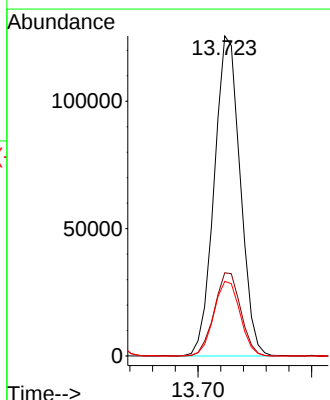
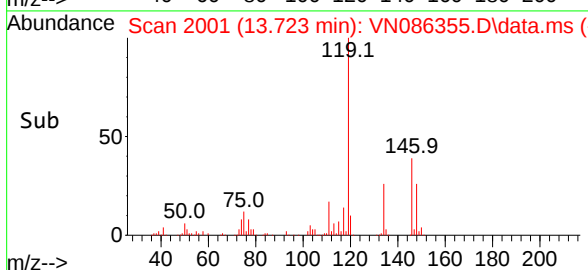
Reviewed By :John Carlone 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

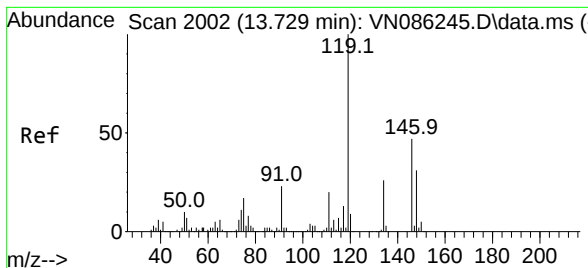


#82
 p-Isopropyltoluene
 Concen: 21.326 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086355.D
 Acq: 21 Apr 2025 12:14



Tgt Ion:119 Resp: 199781
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 51.6
 91 23.6 0.0 48.2





#83

1,3-Dichlorobenzene

Concen: 21.582 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01

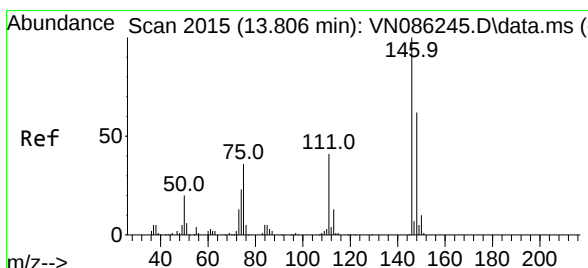
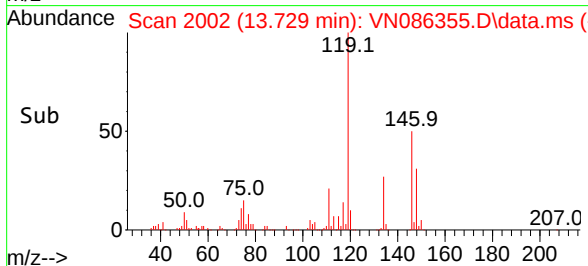
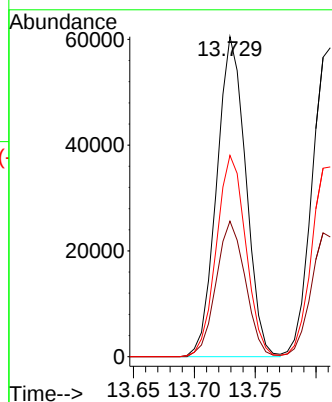
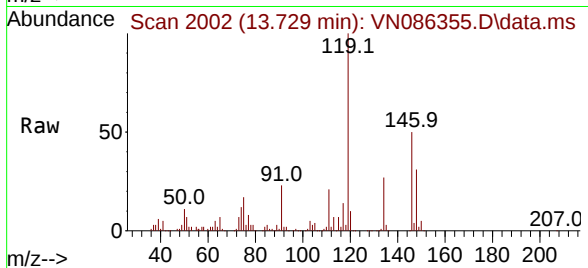
Tgt Ion:146 Resp: 100640
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.7 65.1
 148 63.6 32.3 96.8

Manual Integrations

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Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#84

1,4-Dichlorobenzene

Concen: 21.321 ug/l

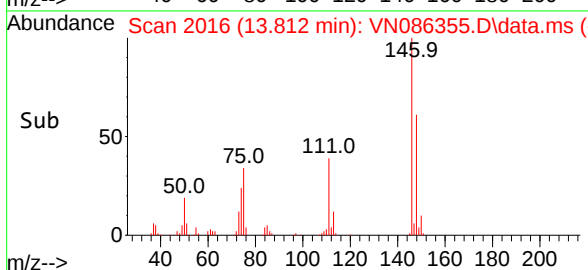
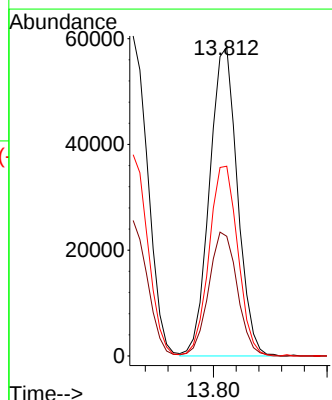
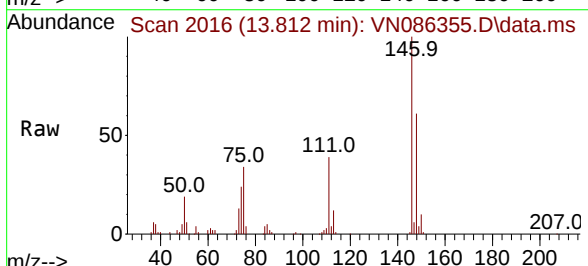
RT: 13.812 min Scan# 2016

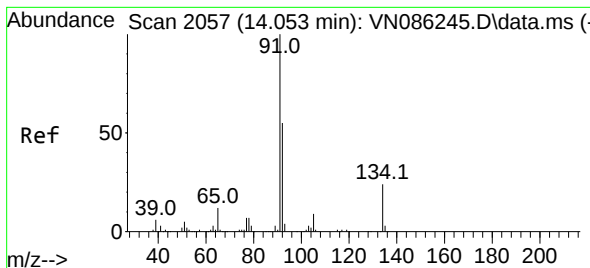
Delta R.T. 0.006 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Tgt Ion:146 Resp: 99747
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.4
 148 63.1 31.9 95.5





#85

n-Butylbenzene

Concen: 21.067 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01

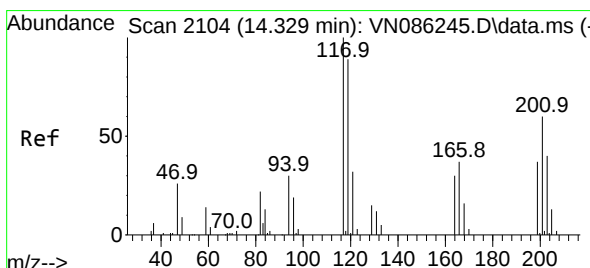
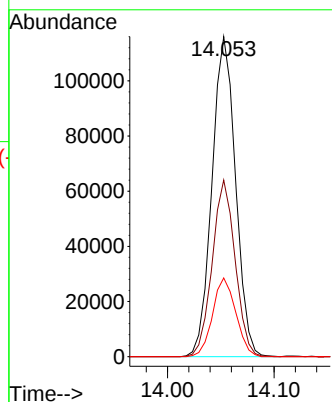
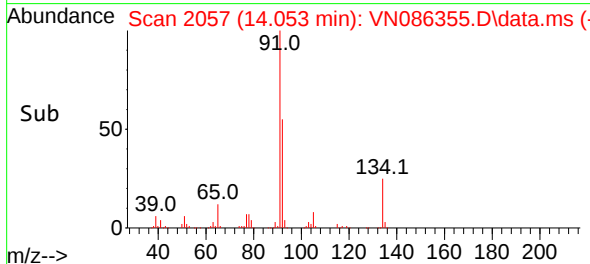
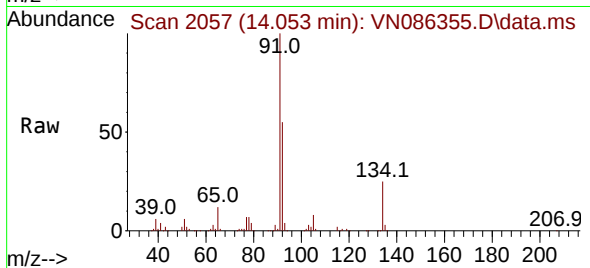
Tgt Ion:	91	Resp:	178040
Ion Ratio	Lower	Upper	
91	100		
92	53.7	0.0	109.4
134	24.2	0.0	48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#86

Hexachloroethane

Concen: 20.351 ug/l

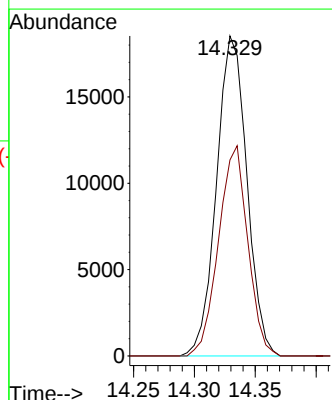
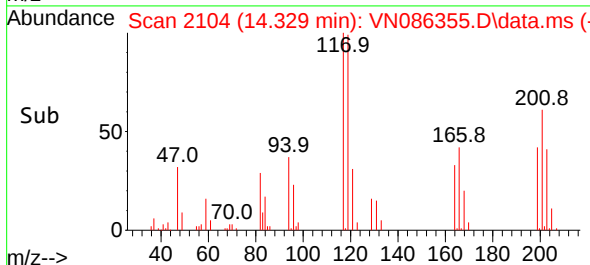
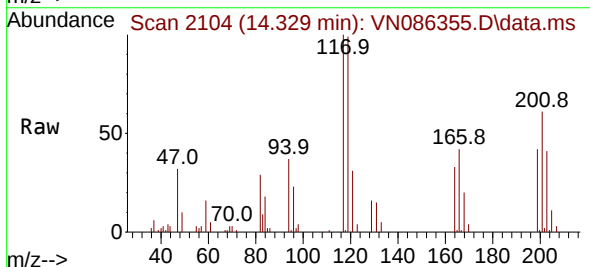
RT: 14.329 min Scan# 2104

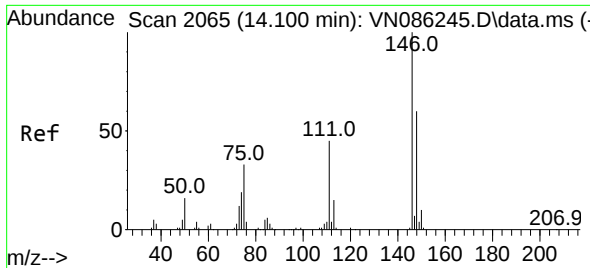
Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Tgt Ion:	117	Resp:	32160
Ion Ratio	Lower	Upper	
117	100		
201	63.2	30.9	92.8





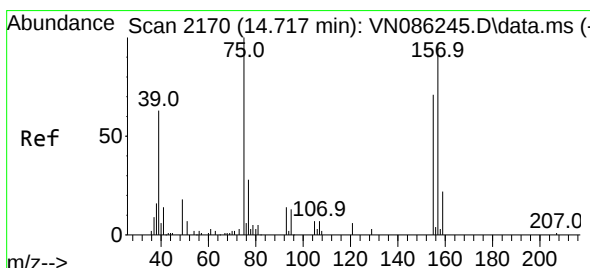
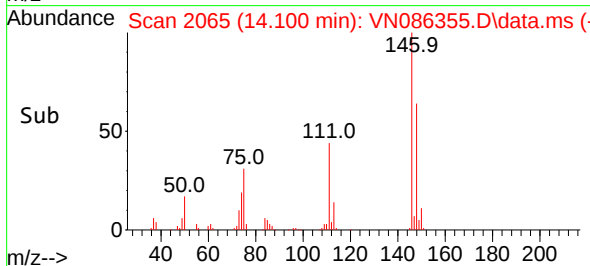
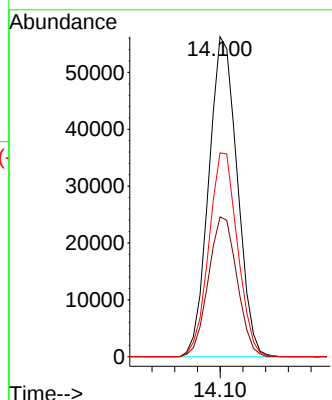
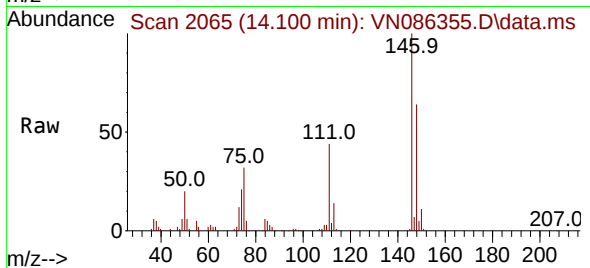
#87
1,2-Dichlorobenzene
Concen: 21.303 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01

Tgt Ion:146 Resp: 9809
Ion Ratio Lower Upper
146 100
111 44.0 22.7 68.0
148 64.2 31.8 95.3

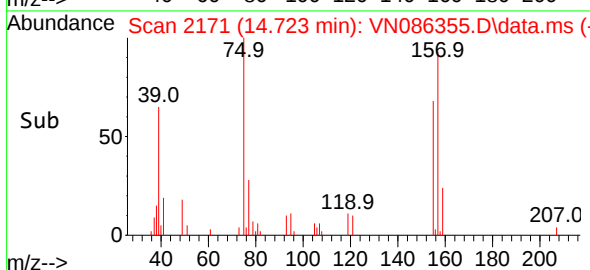
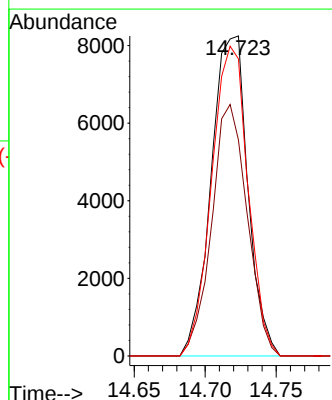
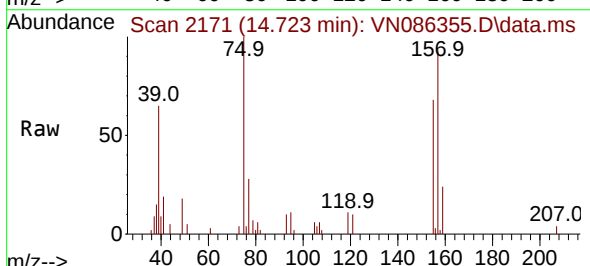
Manual Integrations
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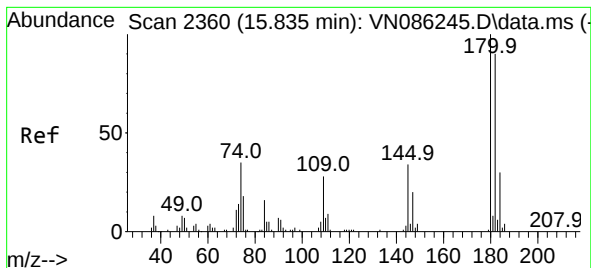
Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 20.205 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

Tgt Ion: 75 Resp: 14836
Ion Ratio Lower Upper
75 100
155 76.0 60.3 90.5
157 95.9 79.0 118.4





#89

1,2,4-Trichlorobenzene

Concen: 20.586 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBS01

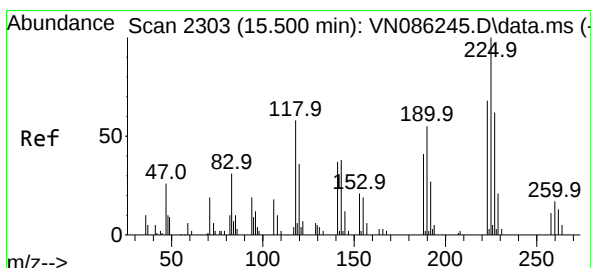
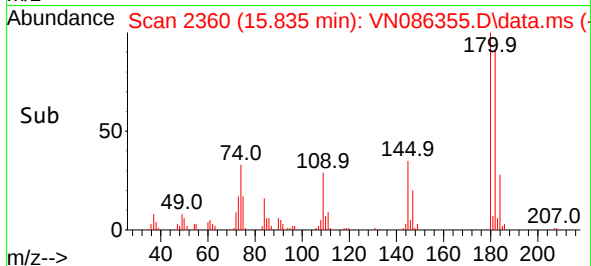
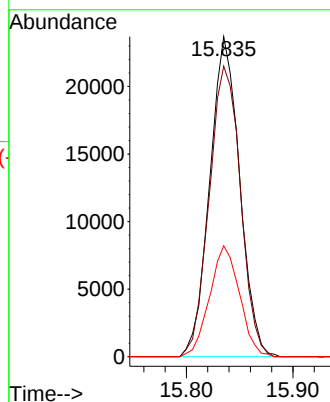
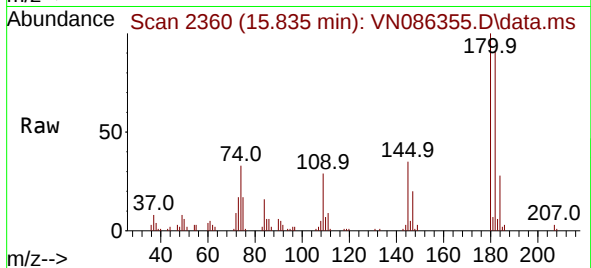
Tgt Ion:	180	Resp:	4612
Ion Ratio	Lower	Upper	
180	100		
182	94.8	75.1	112.7
145	34.7	27.1	40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/22/2025

Supervised By :Mahesh Dadoda 04/22/2025



#90

Hexachlorobutadiene

Concen: 20.835 ug/l

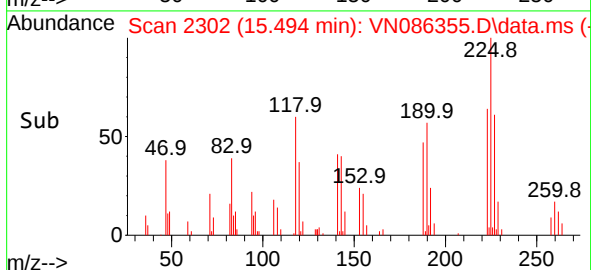
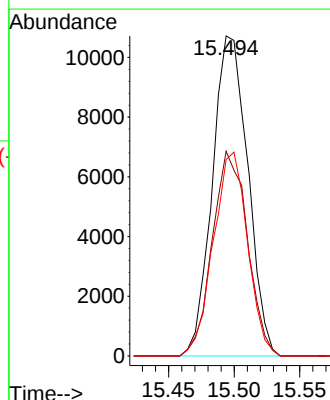
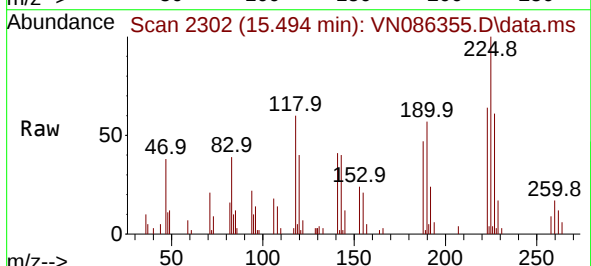
RT: 15.494 min Scan# 2302

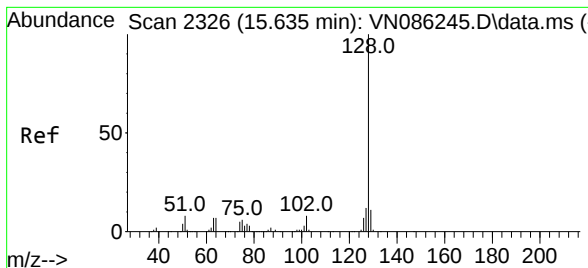
Delta R.T. -0.006 min

Lab File: VN086355.D

Acq: 21 Apr 2025 12:14

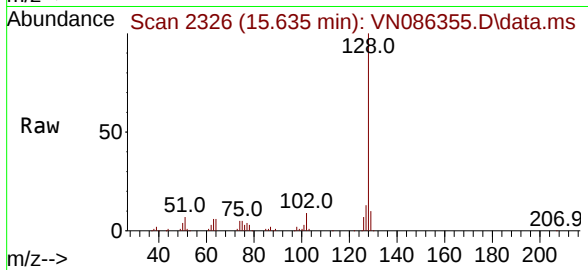
Tgt Ion:	225	Resp:	20154
Ion Ratio	Lower	Upper	
225	100		
223	63.2	0.0	130.0
227	61.5	0.0	123.2





#91
Naphthalene
Concen: 18.695 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14

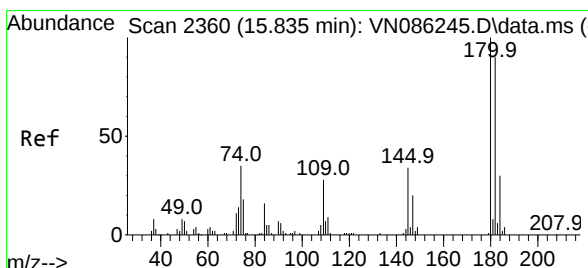
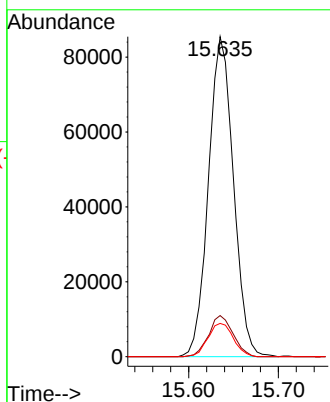
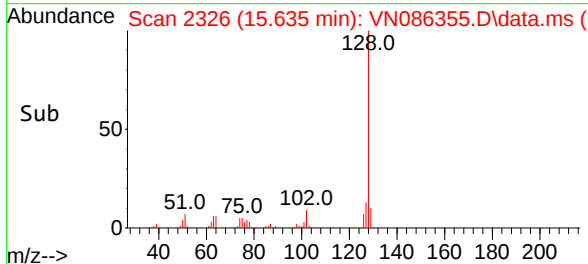
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBS01



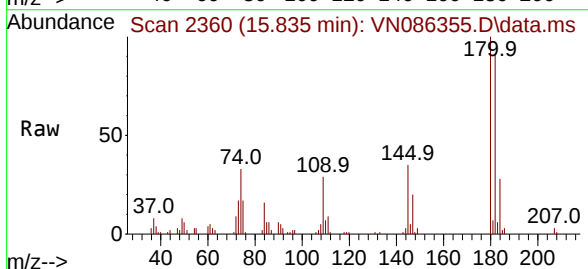
Tgt Ion:128 Resp: 16514
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.6 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.586 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086355.D
Acq: 21 Apr 2025 12:14



Tgt Ion:180 Resp: 46122
Ion Ratio Lower Upper
180 100
182 94.8 0.0 187.8
145 34.7 0.0 67.8

