

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091725\
 Data File : VN087870.D
 Acq On : 17 Sep 2025 10:55
 Operator : JC\MD
 Sample : VN0917WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 03:07:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	53476	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	296032	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	268776	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	137020	29.995	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.000%			
60) 4-Bromofluorobenzene	12.829	95	131390	30.402	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.333%			
63) Toluene-d8	10.541	98	372539	29.804	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	67104	20.190	ug/l	98
3) Chloromethane	2.383	50	58286	16.706	ug/l	98
4) Vinyl Chloride	2.536	62	66773	16.930	ug/l	99
5) Bromomethane	2.977	94	34766	15.026	ug/l	97
6) Chloroethane	3.136	64	42585	15.798	ug/l #	78
7) Trichlorofluoromethane	3.512	101	105691	18.282	ug/l	90
8) Diethyl Ether	3.965	74	41183	16.870	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	60935m	19.460	ug/l	
10) 1,1-Dichloroethene	4.336	96	58764	18.203	ug/l	88
11) Methyl Iodide	4.583	142	37791	16.537	ug/l	82
12) Methyl Acetate	5.012	43	103303	20.758	ug/l	96
13) Acrolein	4.177	56	106235m	119.897	ug/l	
14) Acrylonitrile	5.706	53	211139	98.570	ug/l	99
15) Acetone	4.424	58	61711	92.351	ug/l	97
16) Carbon Disulfide	4.700	76	156918	17.704	ug/l #	91
17) Allyl chloride	5.006	41	103203	19.572	ug/l	95
18) Methylene Chloride	5.259	84	72176m	19.737	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	66956	20.336	ug/l	97
20) Diisopropyl ether	6.653	45	227741	18.782	ug/l	98
21) 1,1-Dichloroethane	6.553	63	131509	19.805	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	80456	20.132	ug/l	96
23) tert-Butyl Alcohol	5.512	59	76053	100.440	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	236800	20.546	ug/l	100
25) Chloroform	7.947	83	139613	20.087	ug/l	94
26) Cyclohexane	8.241	56	103429	20.453	ug/l #	98
29) 1,1-Dichloropropene	8.359	75	91361	18.990	ug/l	97
30) 2-Butanone	7.465	43	314577	94.918	ug/l	99
31) 2,2-Dichloropropane	7.471	77	120804	20.830	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	120694	19.788	ug/l	99
33) Carbon Tetrachloride	8.347	117	99548	19.574	ug/l	97
34) Benzene	8.588	78	291758	18.764	ug/l	97
35) Methacrylonitrile	7.759	41	64671	18.655	ug/l	95
36) 1,2-Dichloroethane	8.653	62	109196	18.592	ug/l	100
37) Trichloroethene	9.335	130	70049	20.153	ug/l	91
38) Methylcyclohexane	9.576	83	102865	19.418	ug/l	98
39) 1,2-Dichloropropane	9.606	63	75122	18.863	ug/l	99
40) Dibromomethane	9.688	93	54595	18.421	ug/l	95
41) Bromodichloromethane	9.871	83	114152	18.845	ug/l	97
42) Vinyl Acetate	6.588	43	948262	85.635	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	119327	17.623	ug/l	95
44) Isopropyl Acetate	8.671	43	190975	17.991	ug/l	97
45) 1,4-Dioxane	9.682	88	25037	374.007	ug/l #	69
46) Methyl methacrylate	9.665	41	82471	16.855	ug/l	92
47) n-amyl Acetate	12.559	43	102030m	14.223	ug/l	
48) t-1,3-Dichloropropene	10.818	75	116022	18.442	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	118981	18.464	ug/l	91
50) 1,1,2-Trichloroethane	11.000	97	72265	18.879	ug/l	94
51) Ethyl methacrylate	10.853	69	106318	17.847	ug/l	97
52) 1,3-Dichloropropane	11.141	76	127768	19.222	ug/l	99
53) Dibromochloromethane	11.335	129	85737	19.976	ug/l	92
54) 1,2-Dibromoethane	11.447	107	75101	18.855	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	286029	83.801	ug/l	97
56) Bromoform	12.559	173	56526	20.167	ug/l	97
58) 4-Methyl-2-Pentanone	10.423	43	600838	94.543	ug/l	98
59) 2-Hexanone	11.176	43	383551	92.361	ug/l	96
61) Tetrachloroethene	11.082	164	60444	22.587	ug/l	91
62) Toluene	10.606	91	318841	19.612	ug/l	99
64) Chlorobenzene	11.870	112	206408	20.686	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	72178	20.546	ug/l	96
66) Ethyl Benzene	11.941	91	353748	20.169	ug/l	91
67) m/p-Xylenes	12.047	106	265828	40.829	ug/l	92
68) o-Xylene	12.376	106	127272	20.161	ug/l	99
69) Styrene	12.394	104	213549	19.464	ug/l	98
70) Isopropylbenzene	12.676	105	337517	21.086	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	114652	19.925	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	111015m	19.649	ug/l	
73) Bromobenzene	12.959	156	80238	20.489	ug/l	92
74) n-propylbenzene	13.012	91	418506	20.722	ug/l	98
75) 2-Chlorotoluene	13.106	91	246028	20.240	ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	279014	20.642	ug/l	96
77) t-1,4-Dichloro-2-butene	12.723	75	36499	19.139	ug/l	99
78) 4-Chlorotoluene	13.200	91	248882	20.310	ug/l	98
79) tert-butylbenzene	13.417	119	246851	21.807	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	280072	20.211	ug/l	96
81) sec-Butylbenzene	13.594	105	357039	21.444	ug/l	96
82) p-Isopropyltoluene	13.706	119	303705	22.138	ug/l	98
83) 1,3-Dichlorobenzene	13.711	146	162789	21.562	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	164451	21.731	ug/l	99
85) n-Butylbenzene	14.035	91	290663	22.042	ug/l	99
86) Hexachloroethane	14.306	117	58197	20.885	ug/l	93
87) 1,2-Dichlorobenzene	14.082	146	154091	21.640	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	25535	19.996	ug/l	88
89) 1,2,4-Trichlorobenzene	15.811	180	88968	21.968	ug/l	98
90) Hexachlorobutadiene	15.476	225	36715	27.042	ug/l	93
91) Naphthalene	15.617	128	303214	20.336	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	88968	21.968	ug/l	98

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

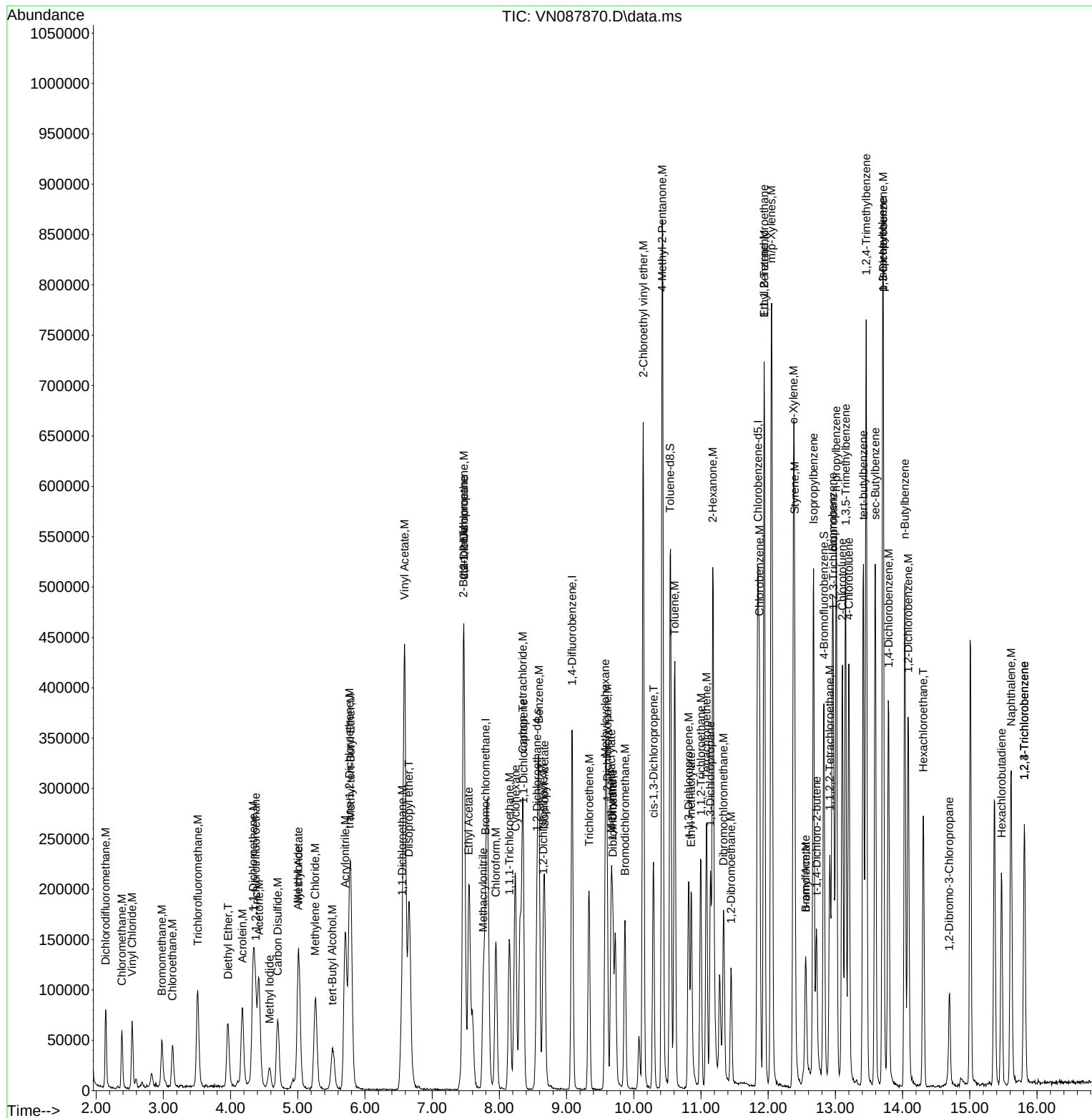
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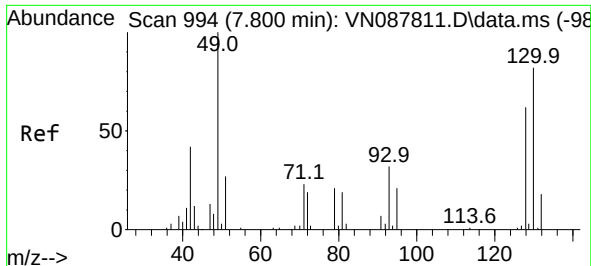
Instrument :
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 VN0917WBS01

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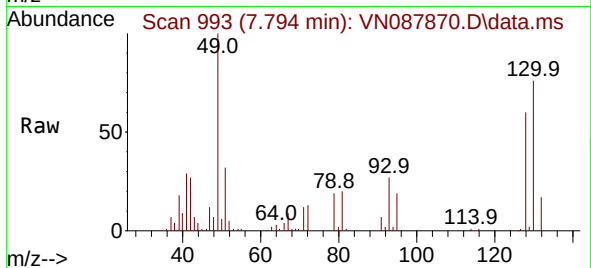
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

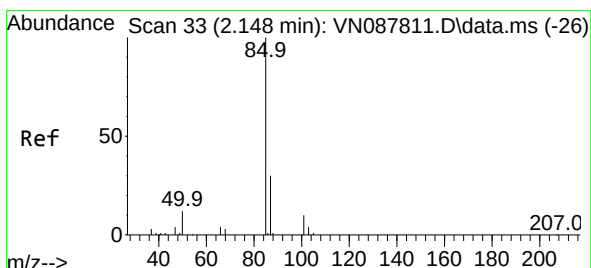
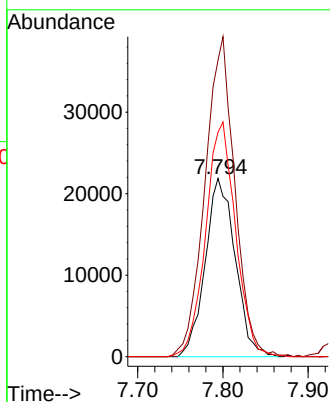
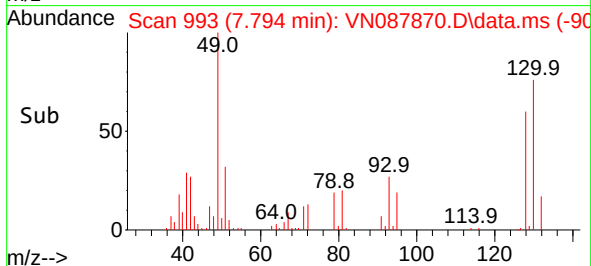
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion:128 Resp: 53470
Ion Ratio Lower Upper
128 100
49 178.2 0.0 464.3
130 131.6 0.0 300.5

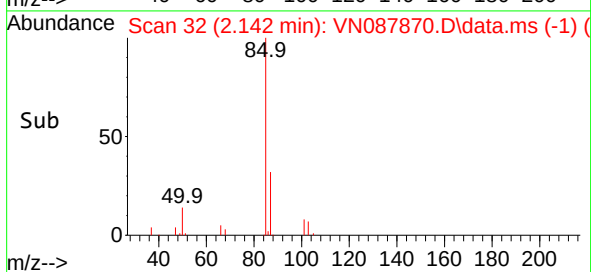
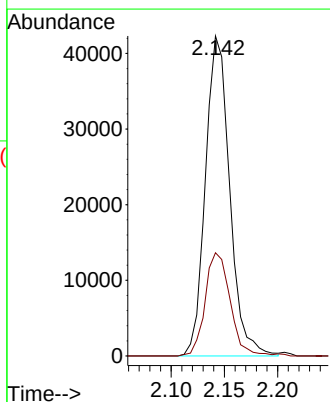
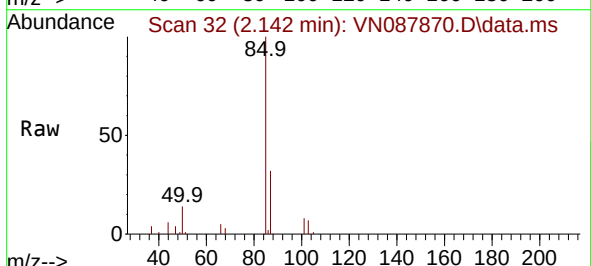
Manual Integrations
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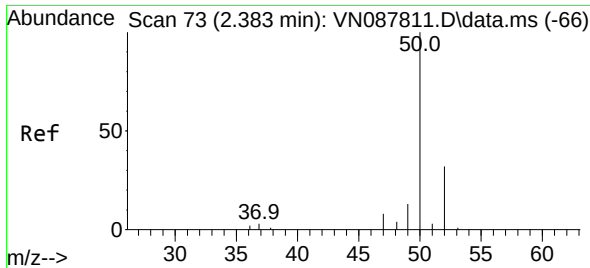
Reviewed By :John Carlone 09/18/2025
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#2
Dichlorodifluoromethane
Concen: 20.190 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

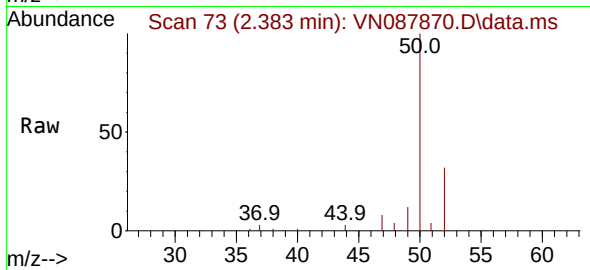
Tgt Ion: 85 Resp: 67104
Ion Ratio Lower Upper
85 100
87 32.3 16.8 50.4





#3
Chloromethane
Concen: 16.706 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

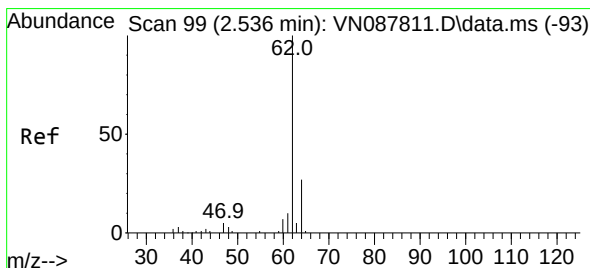
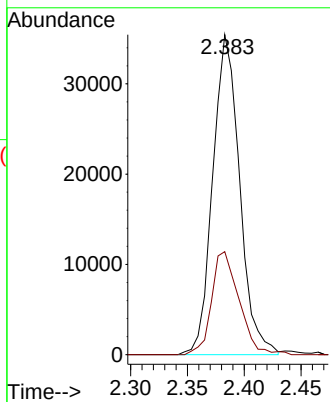
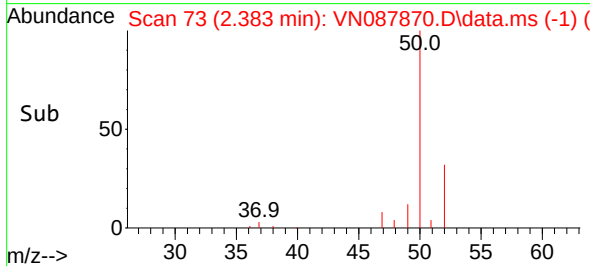
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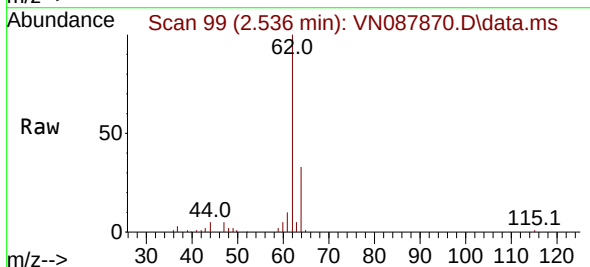
Tgt Ion: 50 Resp: 58280
Ion Ratio Lower Upper
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52 32.2 26.6 40.0

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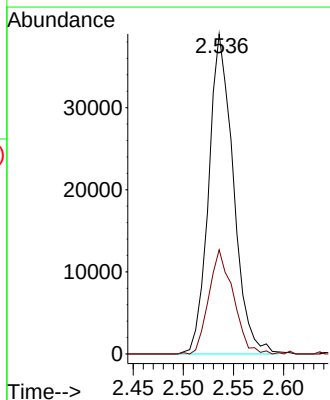
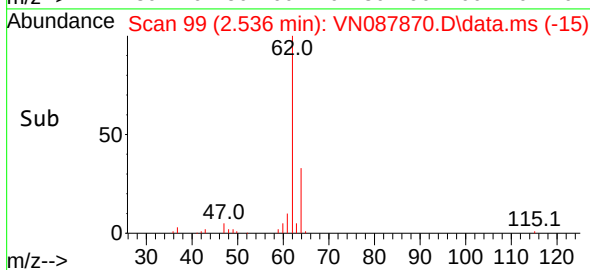
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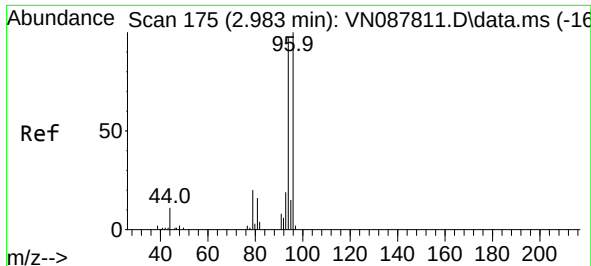


#4
Vinyl Chloride
Concen: 16.930 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087870.D
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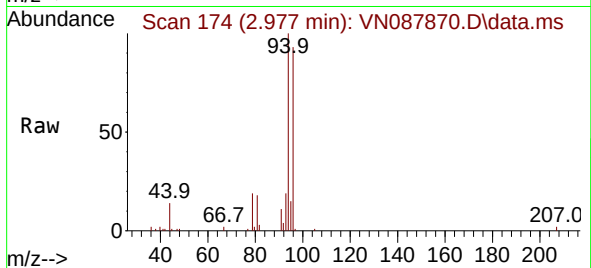
Tgt Ion: 62 Resp: 66773
Ion Ratio Lower Upper
62 100
64 32.6 25.5 38.3





#5
Bromomethane
Concen: 15.026 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

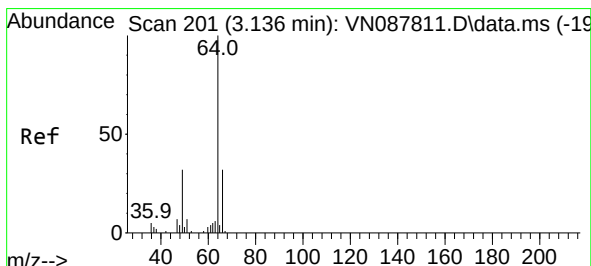
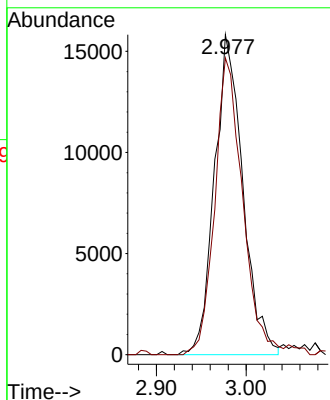
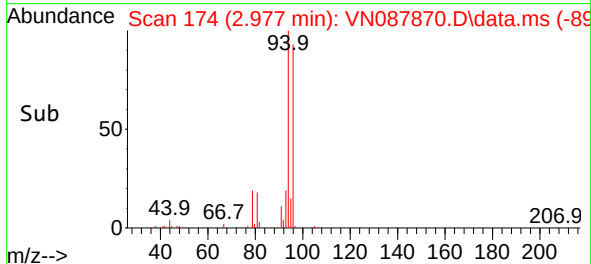
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 94 Resp: 3476
Ion Ratio Lower Upper
94 100
96 92.7 72.2 108.4

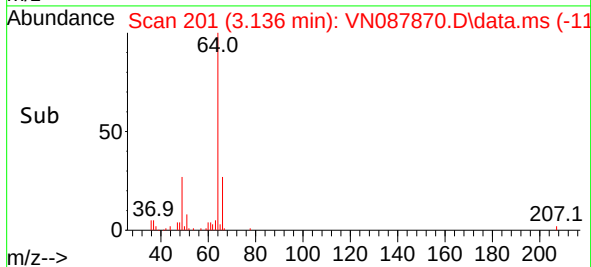
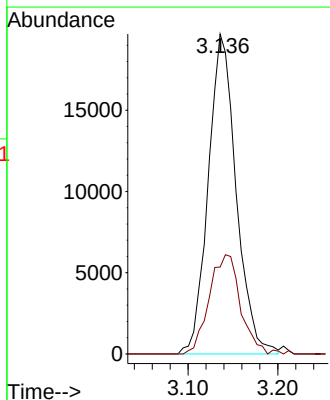
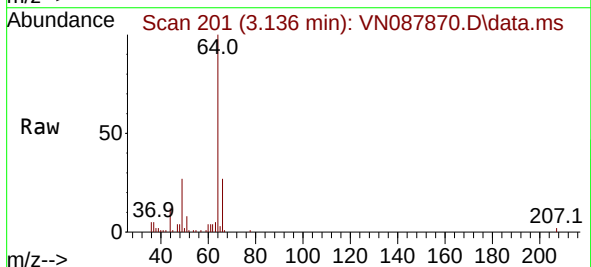
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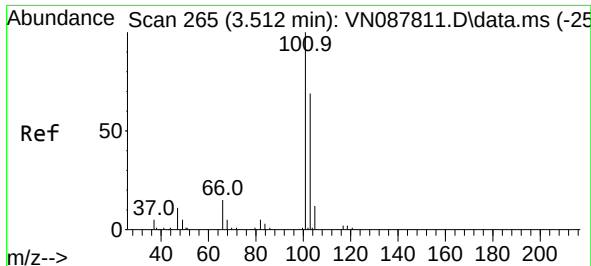
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#6
Chloroethane
Concen: 15.798 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087870.D
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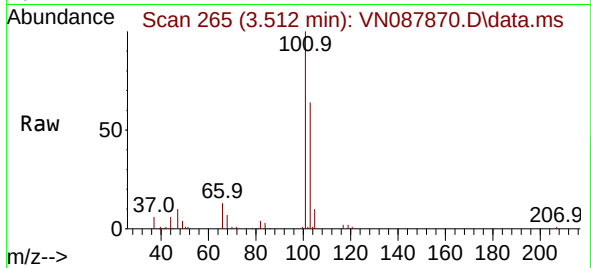
Tgt Ion: 64 Resp: 42585
Ion Ratio Lower Upper
64 100
66 27.2 32.8 49.2#





#7
 Trichlorofluoromethane
 Concen: 18.282 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VN087870.D
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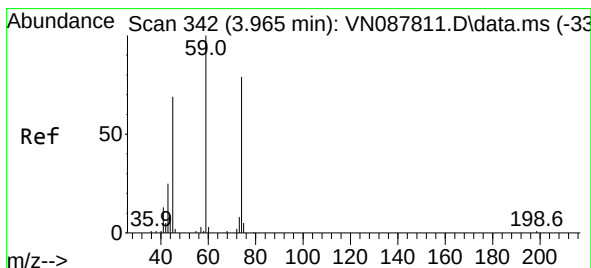
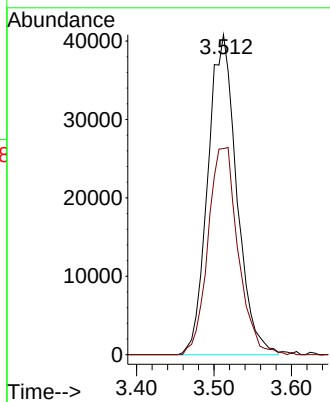
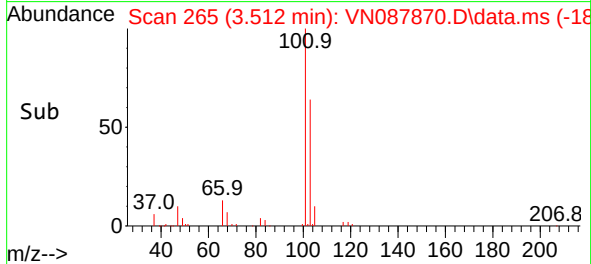
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Tgt Ion:101 Resp: 10569
 Ion Ratio Lower Upper
 101 100
 103 64.4 45.7 68.5

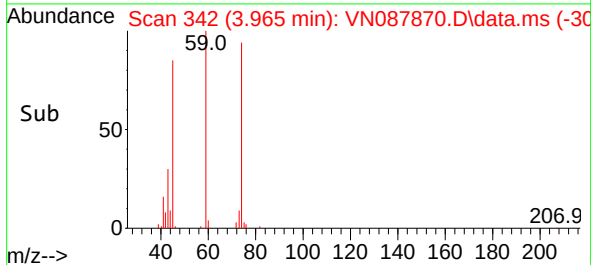
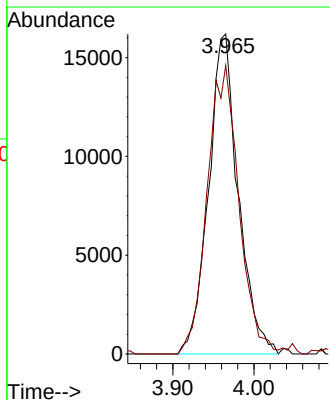
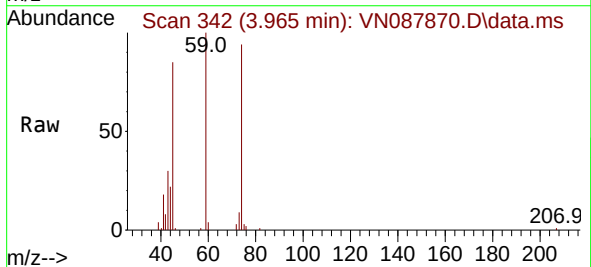
Manual Integrations
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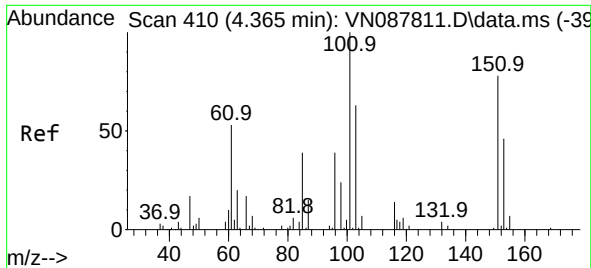
Reviewed By :John Carlone 09/18/2025
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#8
 Diethyl Ether
 Concen: 16.870 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

Tgt Ion: 74 Resp: 41183
 Ion Ratio Lower Upper
 74 100
 45 95.1 20.4 183.8





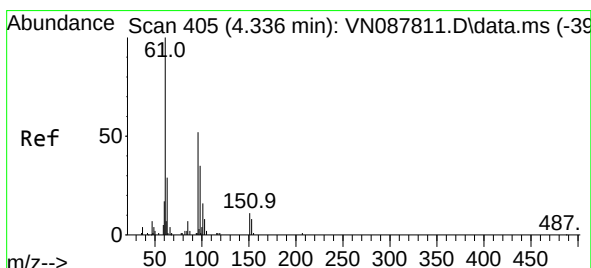
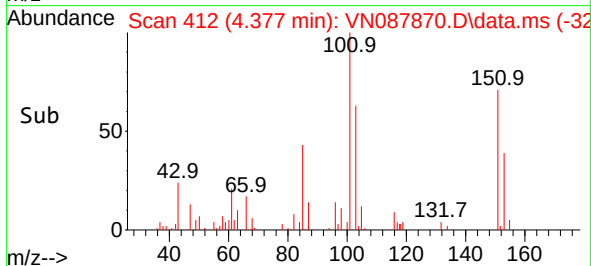
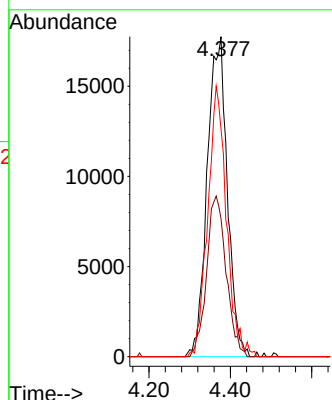
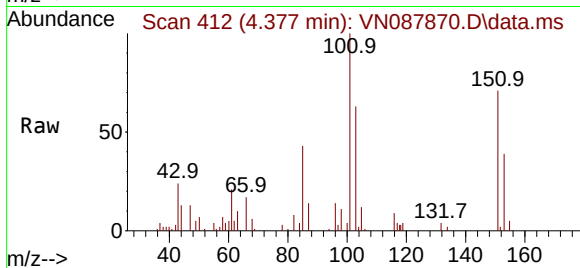
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.460 ug/l m
RT: 4.377 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion:101 Resp: 6093
Ion Ratio Lower Upper
101 100
85 48.8 0.0 95.6
151 77.0 0.0 85.8

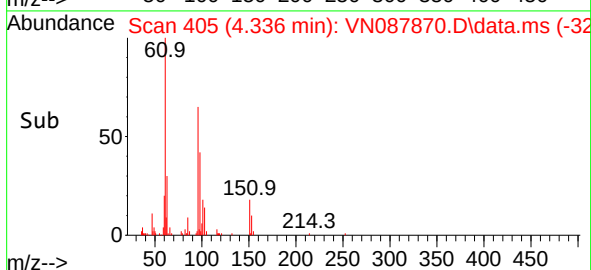
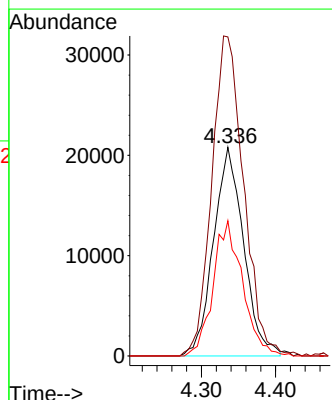
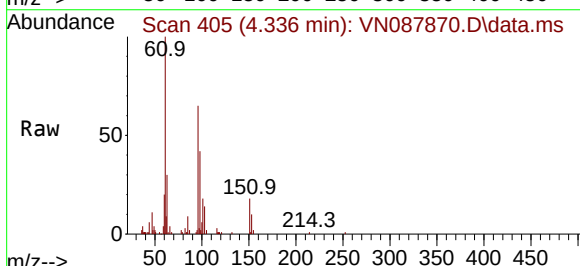
Manual Integrations
APPROVED

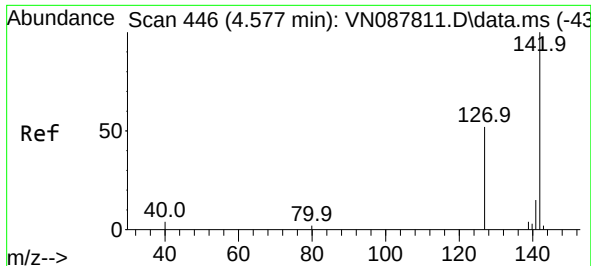
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#10
1,1-Dichloroethene
Concen: 18.203 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

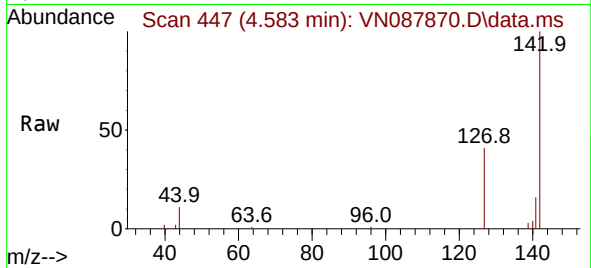
Tgt Ion: 96 Resp: 58764
Ion Ratio Lower Upper
96 100
61 153.0 135.9 203.9
98 64.8 59.2 88.8





#11
Methyl Iodide
Concen: 16.537 ug/l
RT: 4.583 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

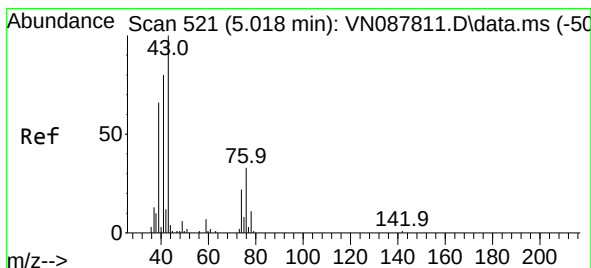
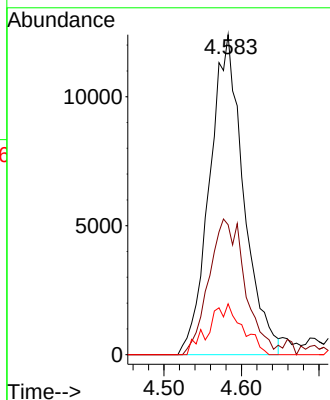
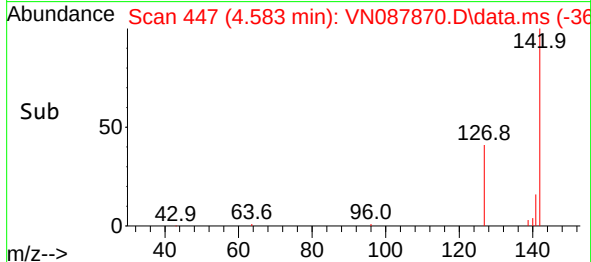
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion:142 Resp: 3779
Ion Ratio Lower Upper
142 100
127 40.1 27.9 83.7
141 16.3 9.6 28.8

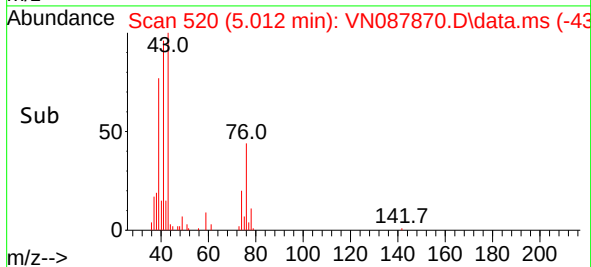
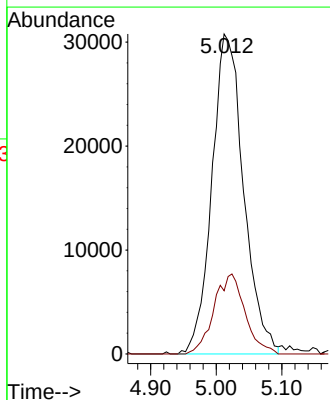
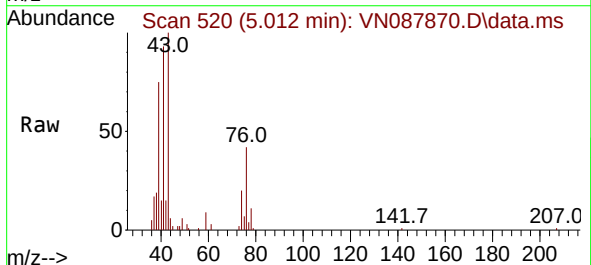
Manual Integrations
APPROVED

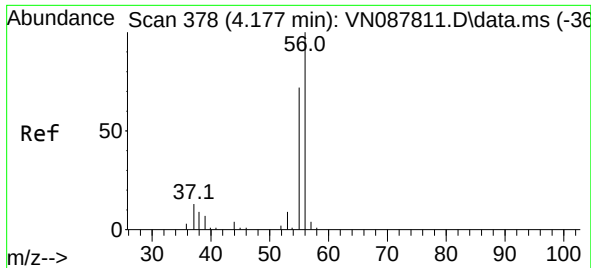
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#12
Methyl Acetate
Concen: 20.758 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

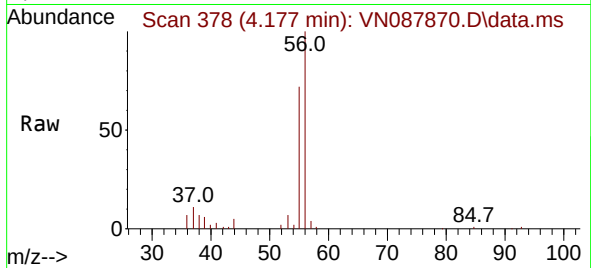
Tgt Ion: 43 Resp: 103303
Ion Ratio Lower Upper
43 100
74 20.0 17.5 26.3





#13
Acrolein
Concen: 119.897 ug/l m
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

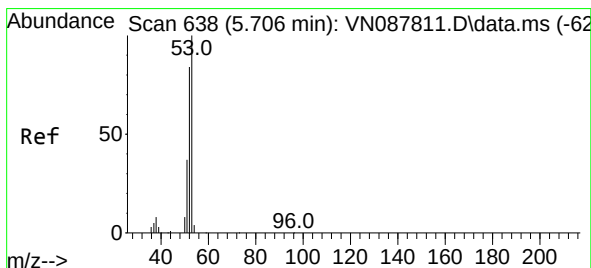
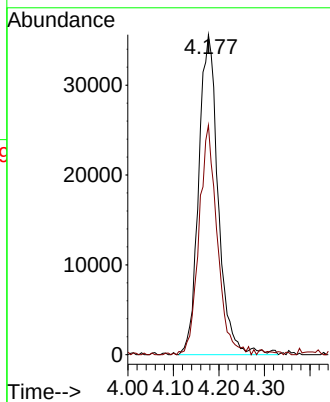
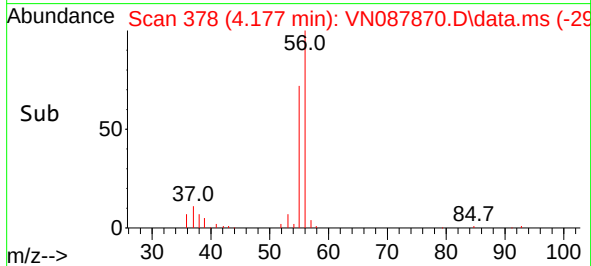
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 56 Resp: 106235
Ion Ratio Lower Upper
56 100
55 0.3 28.6 42.8

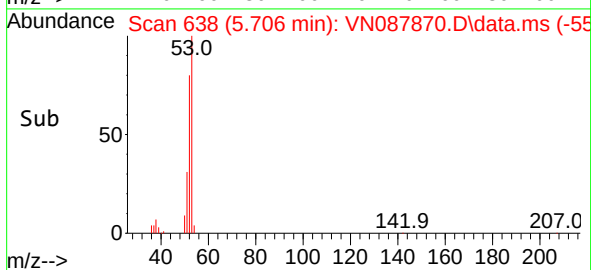
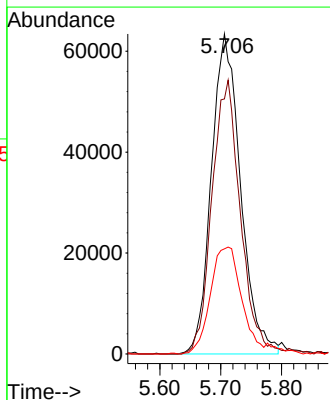
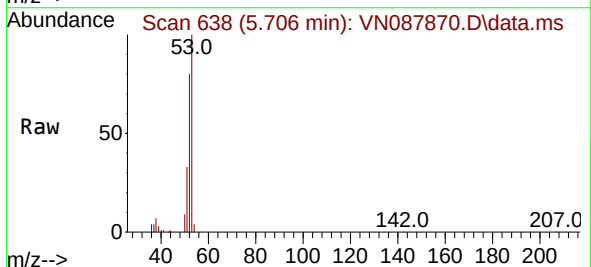
Manual Integrations
APPROVED

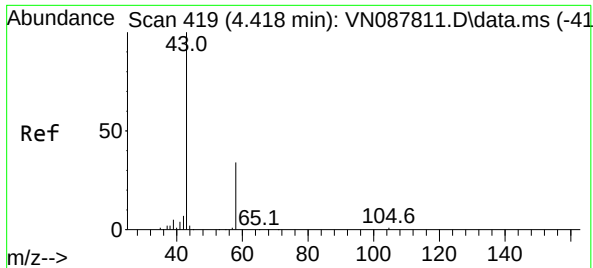
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#14
Acrylonitrile
Concen: 98.570 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.012 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion: 53 Resp: 211139
Ion Ratio Lower Upper
53 100
52 83.1 40.9 122.7
51 35.5 18.1 54.1





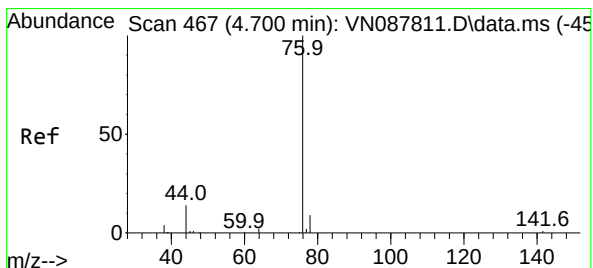
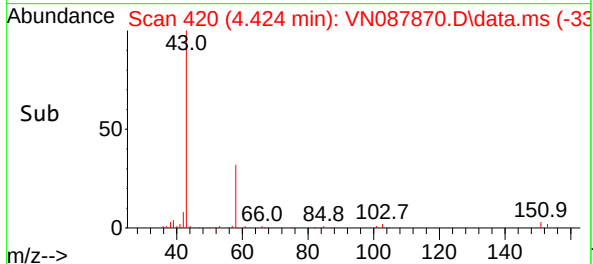
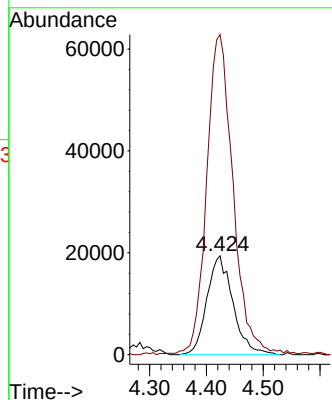
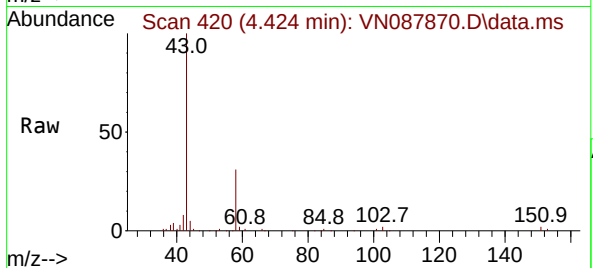
#15
Acetone
Concen: 92.351 ug/l
RT: 4.424 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion: 58 Resp: 61711
Ion Ratio Lower Upper
58 100
43 319.7 250.6 376.0

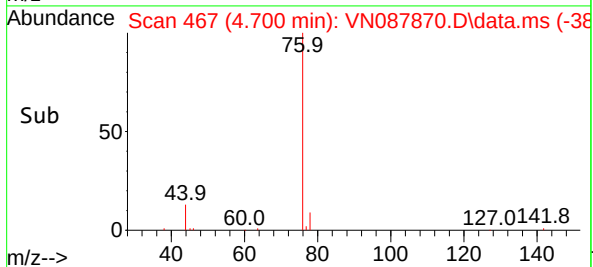
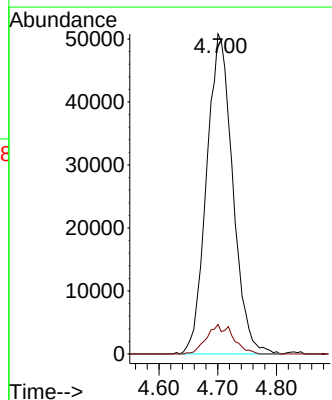
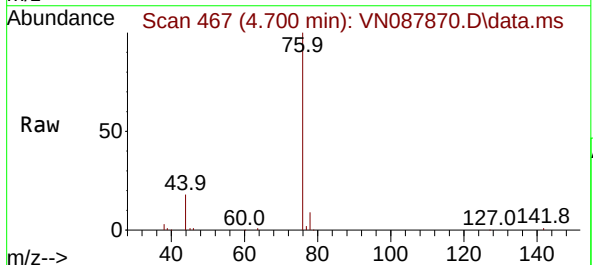
Manual Integrations
APPROVED

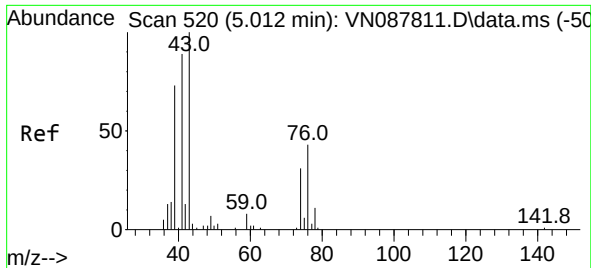
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#16
Carbon Disulfide
Concen: 17.704 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

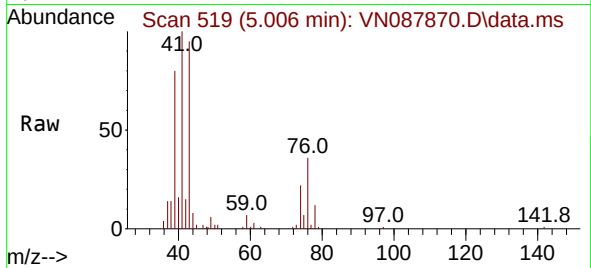
Tgt Ion: 76 Resp: 156918
Ion Ratio Lower Upper
76 100
78 9.2 5.0 7.6#





#17
 Allyl chloride
 Concen: 19.572 ug/l
 RT: 5.006 min Scan# 519
 Delta R.T. -0.012 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

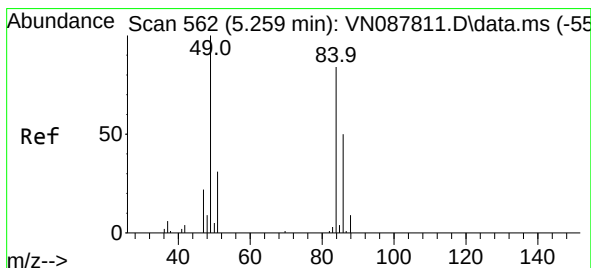
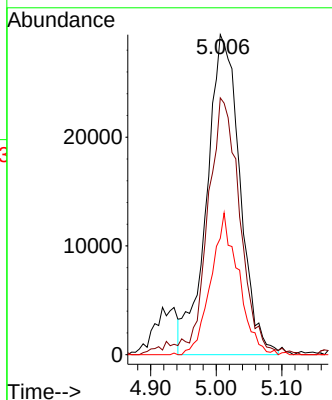
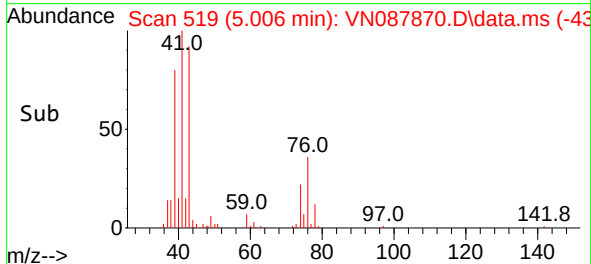
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01



Tgt Ion: 41 Resp: 10320
 Ion Ratio Lower Upper
 41 100
 39 80.0 36.7 110.1
 76 36.8 18.3 54.8

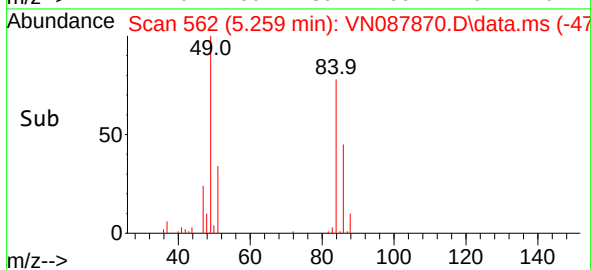
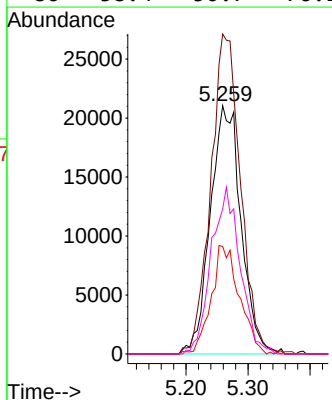
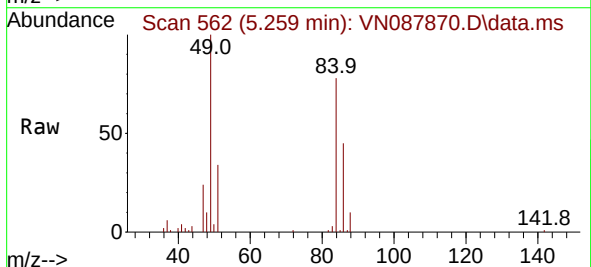
Manual Integrations
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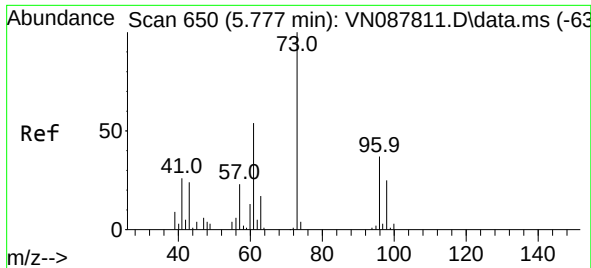
Reviewed By :John Carlone 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#18
 Methylene Chloride
 Concen: 19.737 ug/l m
 RT: 5.259 min Scan# 562
 Delta R.T. -0.006 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

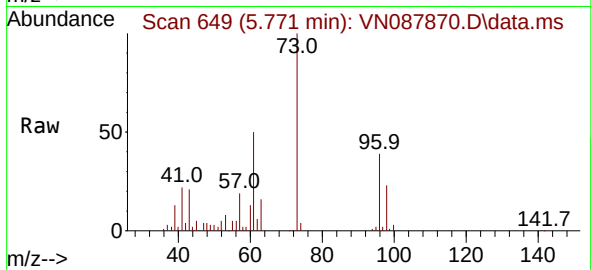
Tgt Ion: 84 Resp: 72176
 Ion Ratio Lower Upper
 84 100
 49 128.9 114.1 171.1
 51 43.3 30.2 45.4
 86 58.4 50.7 76.1





#19
trans-1,2-Dichloroethene
Concen: 20.336 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

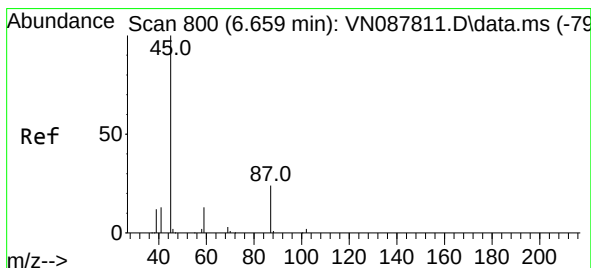
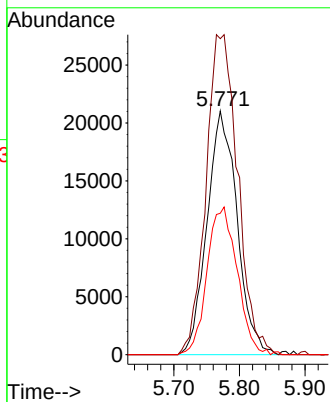
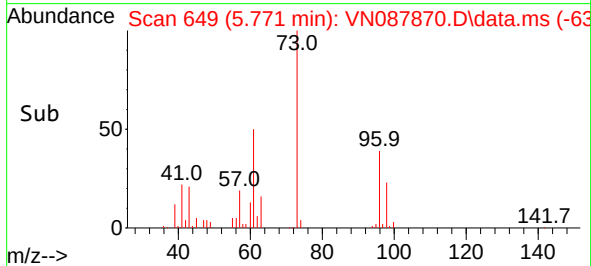
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 96 Resp: 66950
Ion Ratio Lower Upper
96 100
61 129.7 106.4 159.6
98 58.1 48.9 73.3

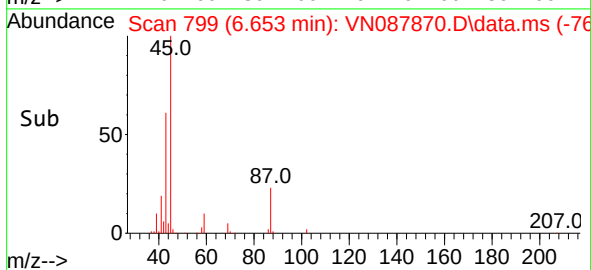
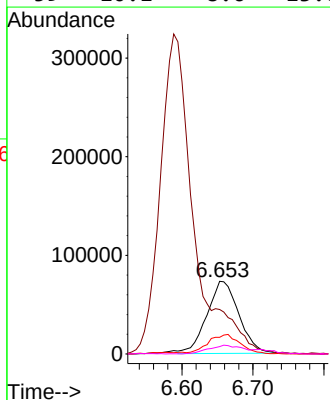
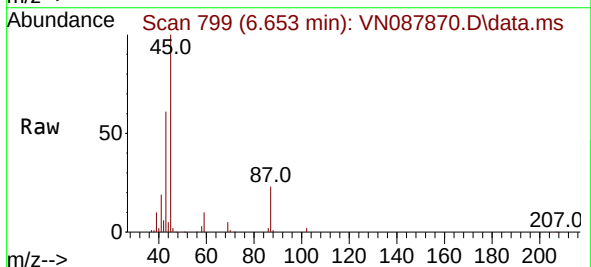
Manual Integrations
APPROVED

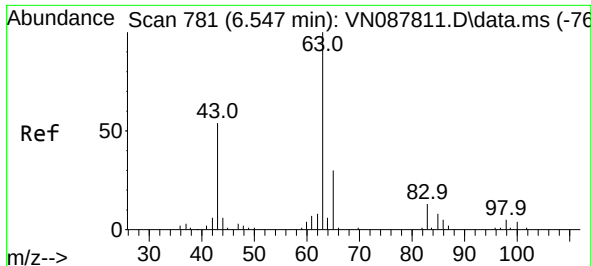
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#20
Diisopropyl ether
Concen: 18.782 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion: 45 Resp: 227741
Ion Ratio Lower Upper
45 100
43 60.3 49.5 74.3
87 22.7 18.8 28.2
59 10.1 8.6 13.0





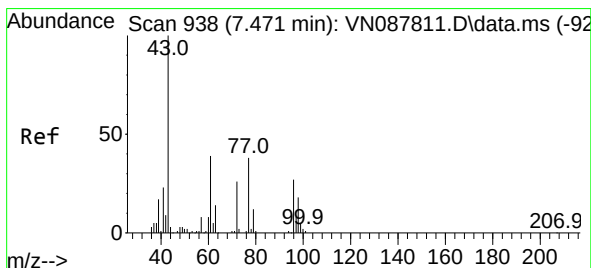
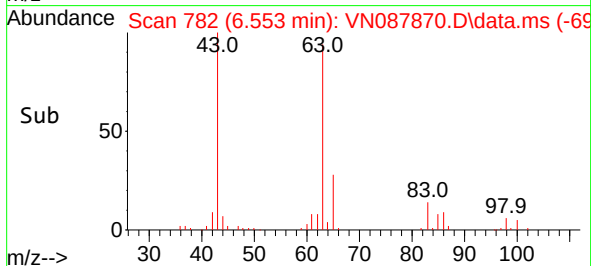
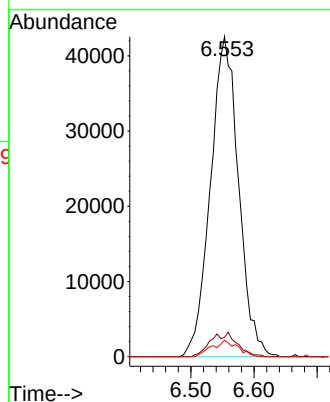
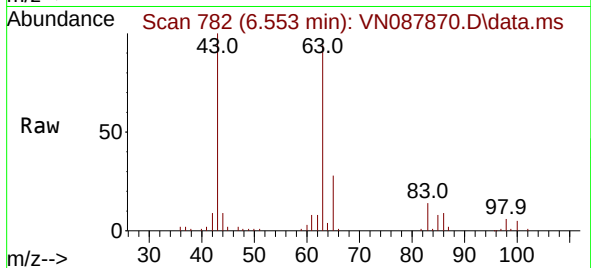
#21
1,1-Dichloroethane
Concen: 19.805 ug/l
RT: 6.553 min Scan# 781
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion: 63 Resp: 131509
Ion Ratio Lower Upper
63 100
98 6.1 2.9 8.8
100 5.2 1.8 5.3

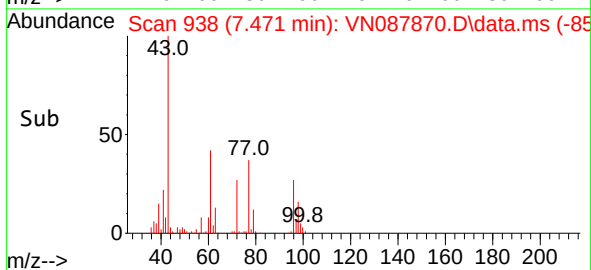
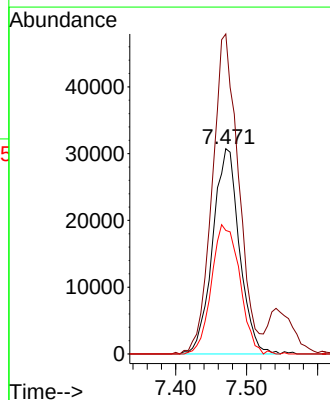
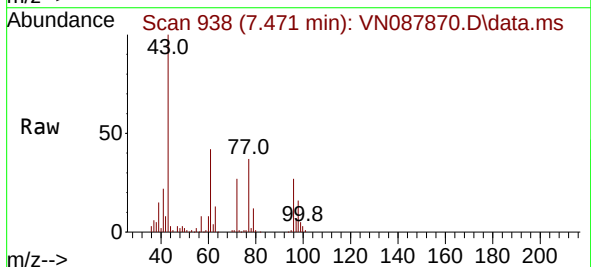
Manual Integrations
APPROVED

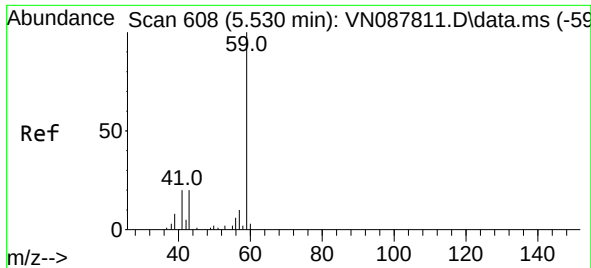
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#22
cis-1,2-Dichloroethene
Concen: 20.132 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion: 96 Resp: 80456
Ion Ratio Lower Upper
96 100
61 154.4 118.2 177.2
98 66.2 51.6 77.4





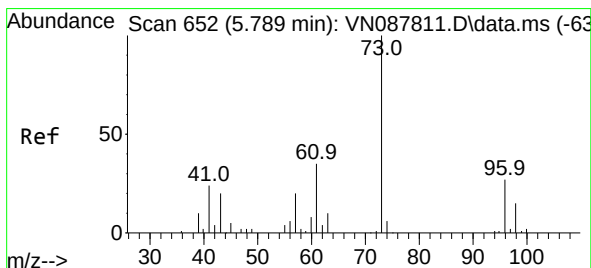
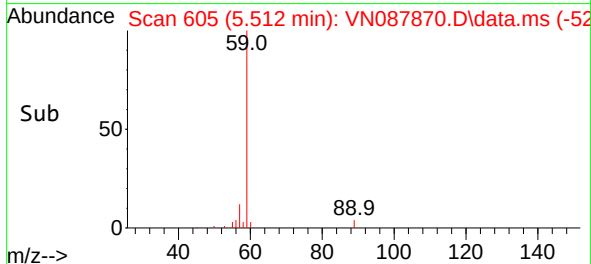
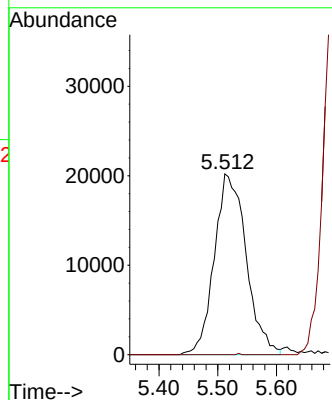
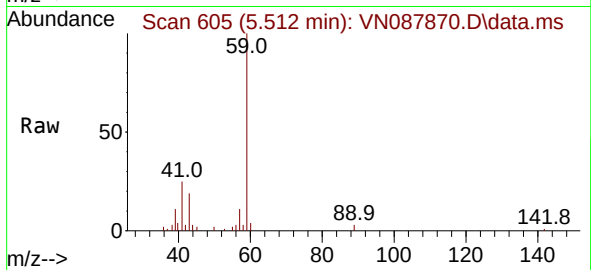
#23
tert-Butyl Alcohol
Concen: 100.440 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion: 59 Resp: 7605
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

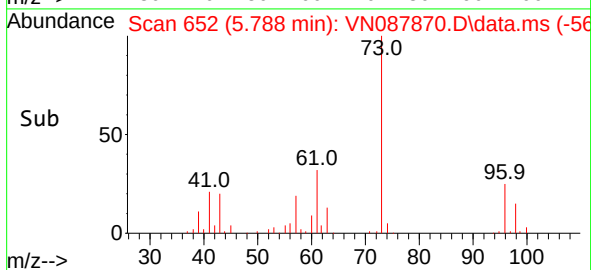
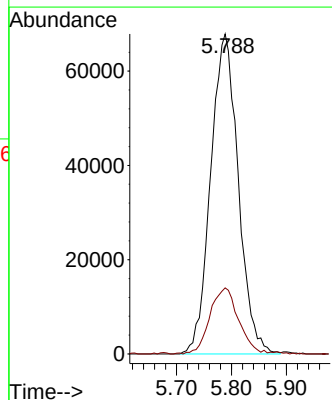
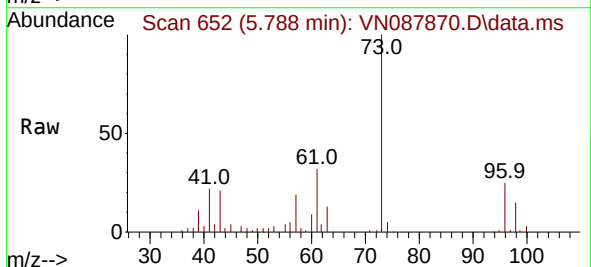
Manual Integrations
APPROVED

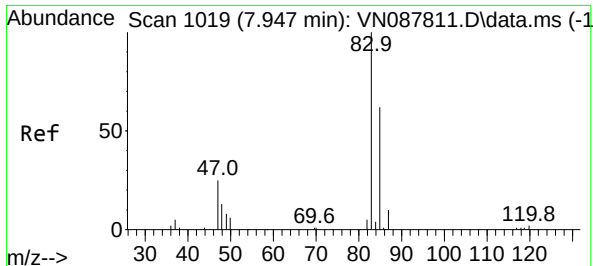
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#24
Methyl tert-Butyl Ether
Concen: 20.546 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion: 73 Resp: 236800
Ion Ratio Lower Upper
73 100
43 21.2 16.8 25.2





#25

Chloroform

Concen: 20.087 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tgt Ion: 83 Resp: 13961

Ion Ratio Lower Upper

83 100

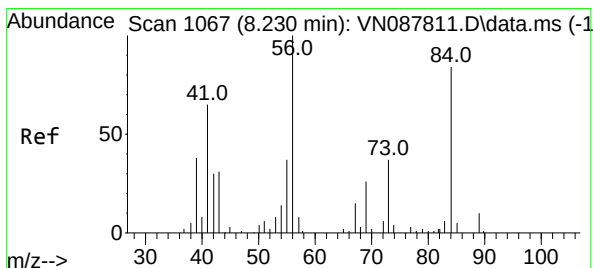
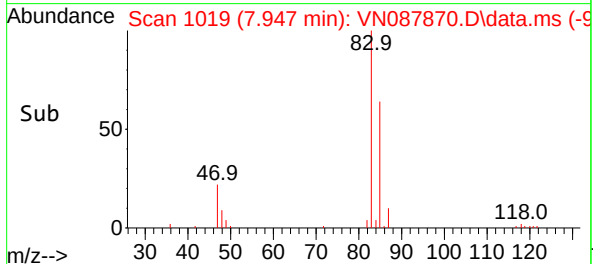
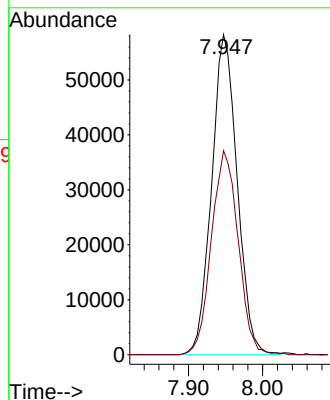
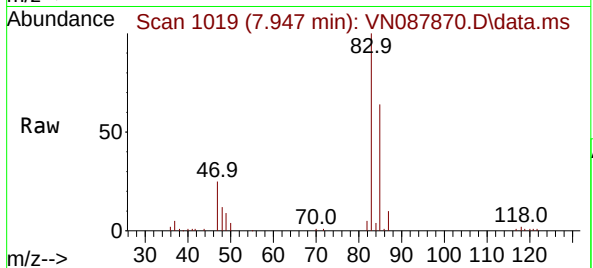
85 63.8 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#26

Cyclohexane

Concen: 20.453 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

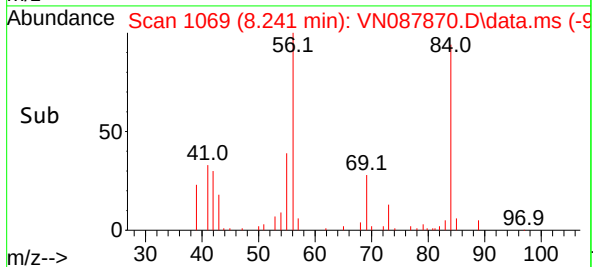
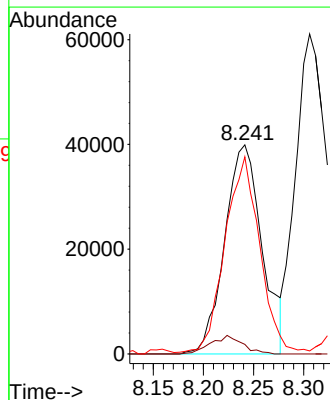
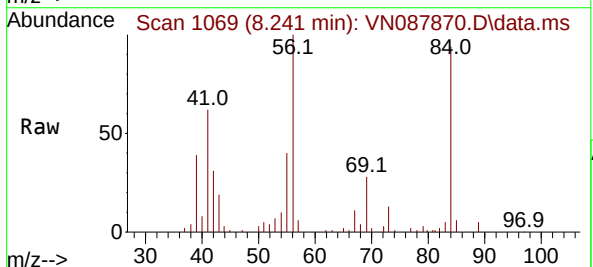
Tgt Ion: 56 Resp: 103429

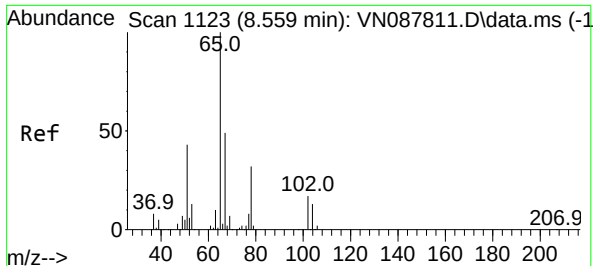
Ion Ratio Lower Upper

56 100

89 7.6 0.0 0.0#

84 88.7 69.4 104.2





#27

1,2-Dichloroethane-d4

Concen: 29.995 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087870.D

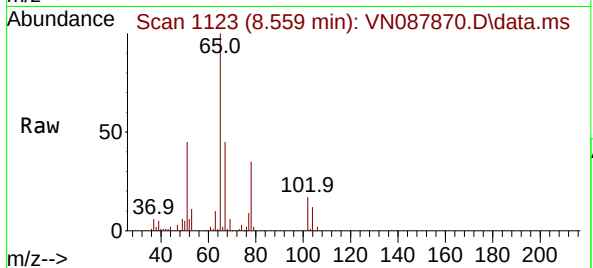
Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01



Tgt Ion: 65 Resp: 137020

Ion Ratio Lower Upper

65 100

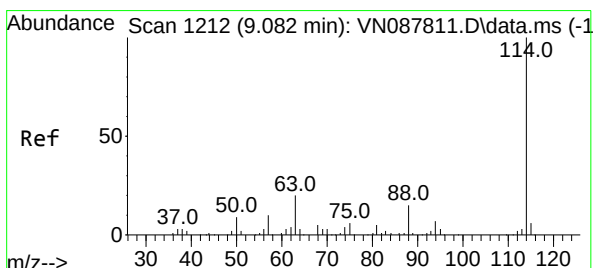
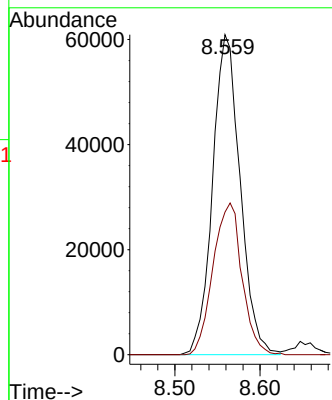
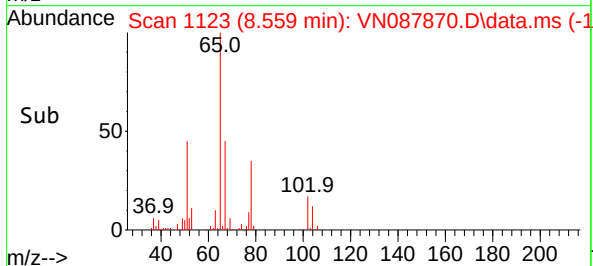
67 49.6 39.6 59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

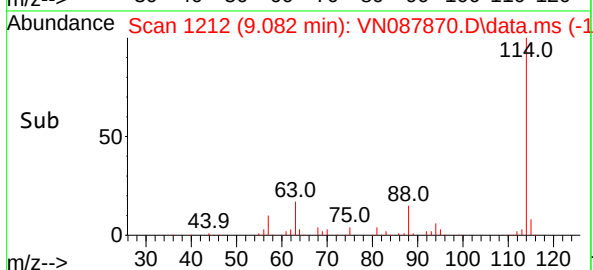
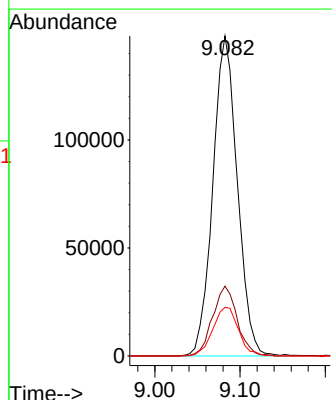
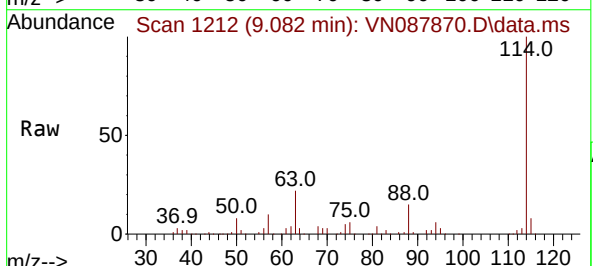
Tgt Ion:114 Resp: 296032

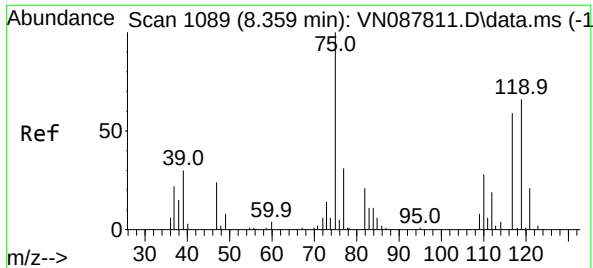
Ion Ratio Lower Upper

114 100

63 21.9 18.3 27.5

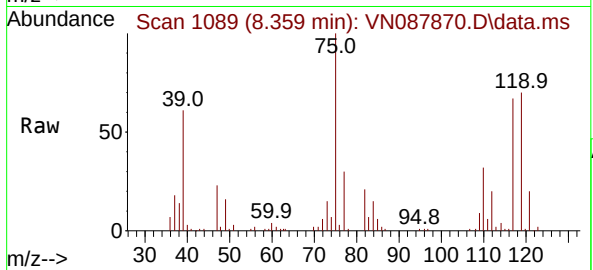
88 15.9 12.4 18.6





#29
1,1-Dichloropropene
Concen: 18.990 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

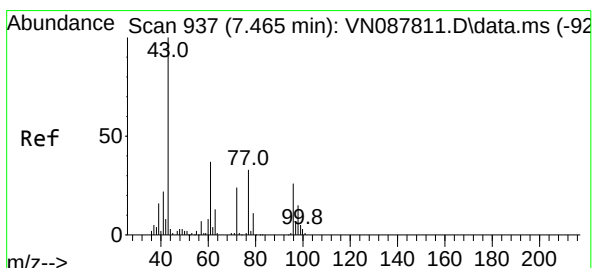
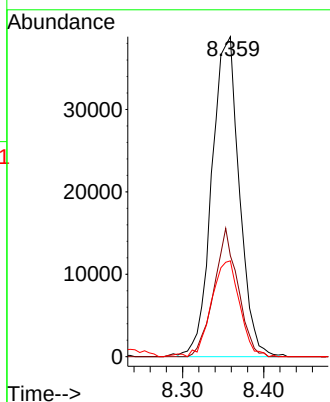
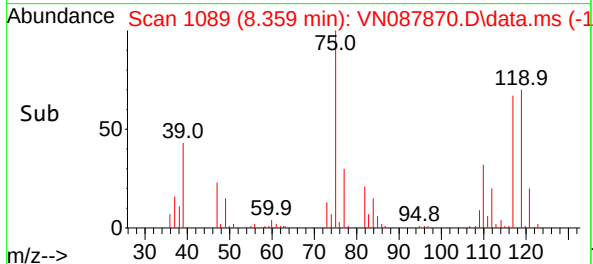
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



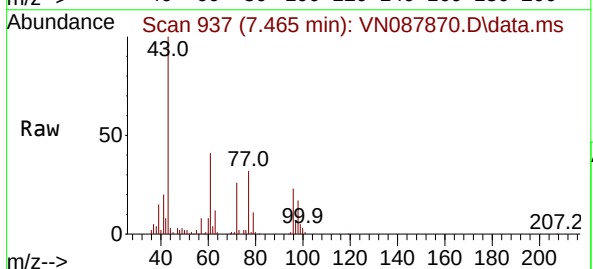
Tgt Ion: 75 Resp: 9136
Ion Ratio Lower Upper
75 100
110 35.2 0.0 64.4
77 30.5 0.0 62.2

Manual Integrations
APPROVED

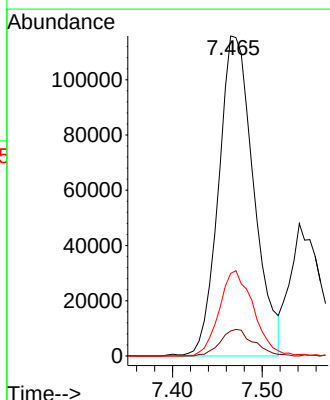
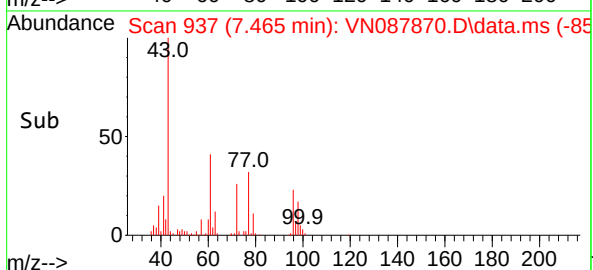
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

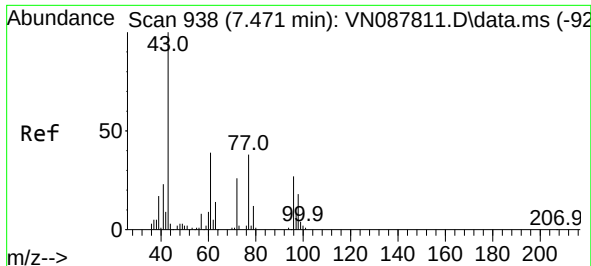


#30
2-Butanone
Concen: 94.918 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



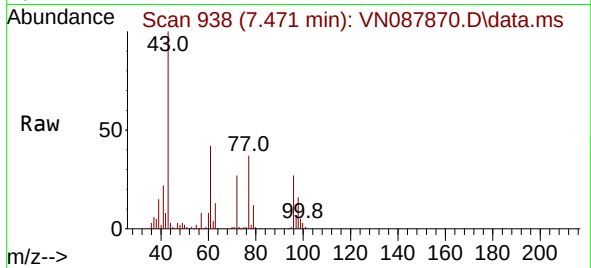
Tgt Ion: 43 Resp: 314577
Ion Ratio Lower Upper
43 100
57 7.9 6.3 9.5
72 26.0 21.4 32.2





#31
2,2-Dichloropropane
Concen: 20.830 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

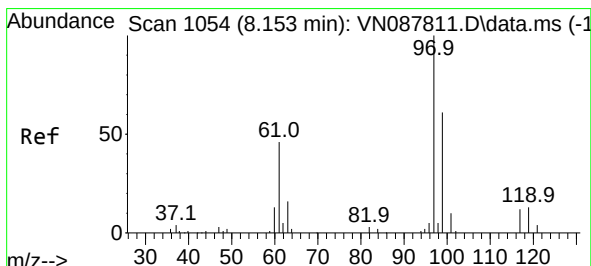
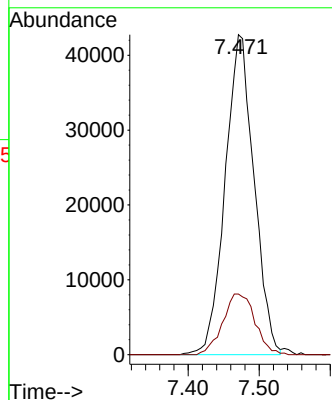
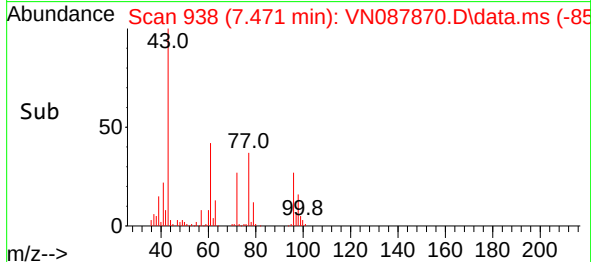
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



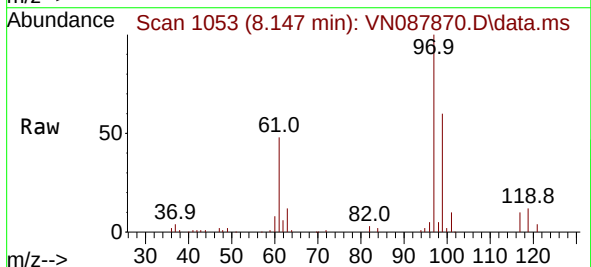
Tgt Ion: 77 Resp: 120804
Ion Ratio Lower Upper
77 100
97 21.2 17.1 25.7

Manual Integrations
APPROVED

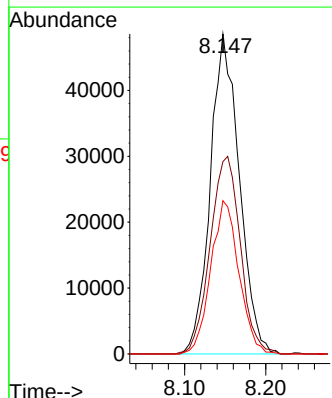
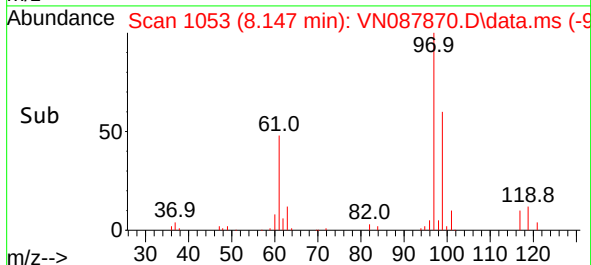
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

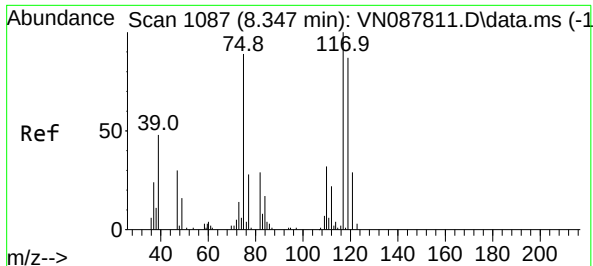


#32
1,1,1-Trichloroethane
Concen: 19.788 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



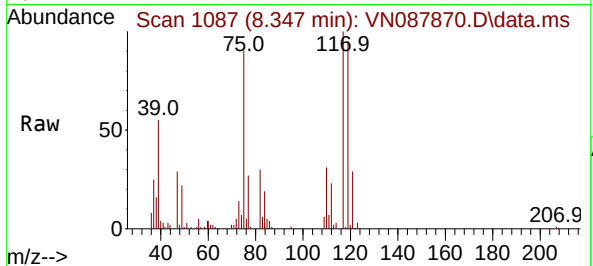
Tgt Ion: 97 Resp: 120694
Ion Ratio Lower Upper
97 100
99 64.3 52.2 78.4
61 46.4 37.9 56.9





#33
Carbon Tetrachloride
Concen: 19.574 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

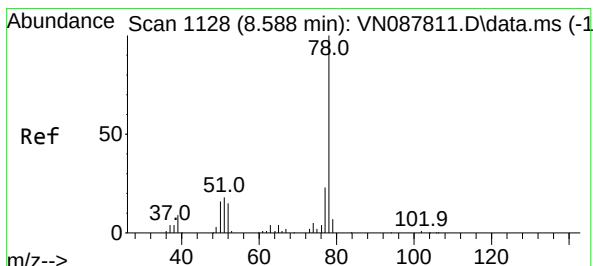
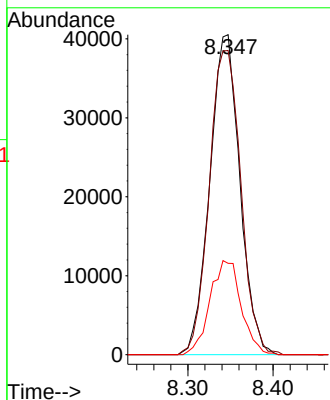
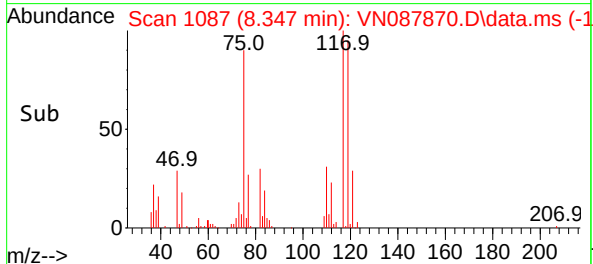
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion:117 Resp: 99548
Ion Ratio Lower Upper
117 100
119 95.1 77.3 115.9
121 28.5 26.6 39.8

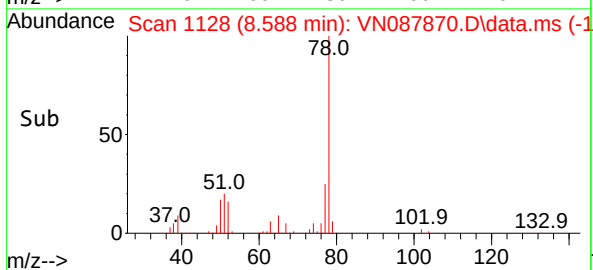
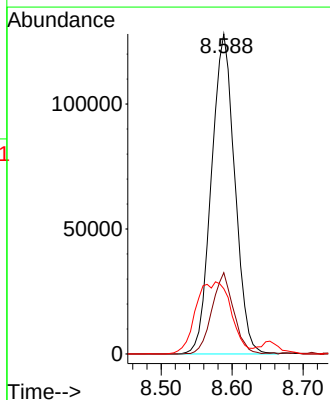
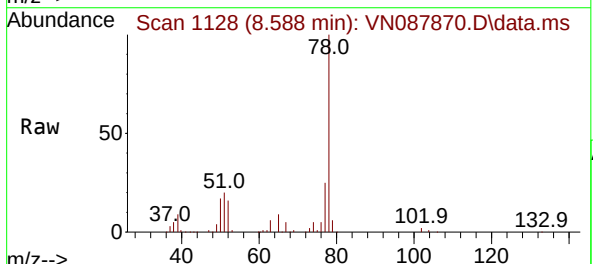
Manual Integrations
APPROVED

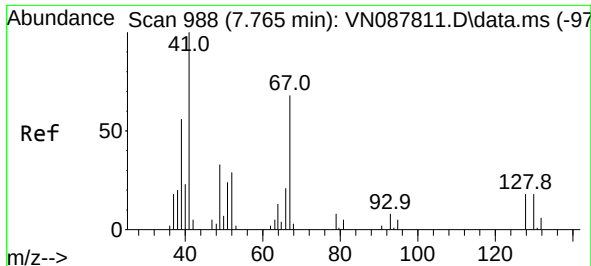
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#34
Benzene
Concen: 18.764 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

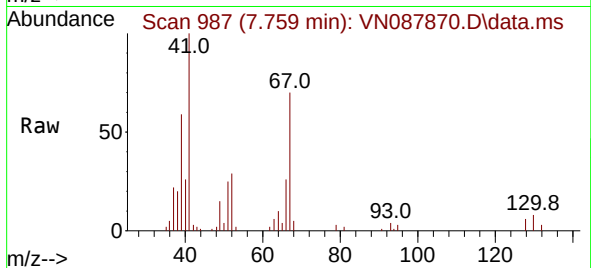
Tgt Ion: 78 Resp: 291758
Ion Ratio Lower Upper
78 100
77 25.4 20.3 30.5
51 19.4 18.0 27.0





#35
Methacrylonitrile
Concen: 18.655 ug/l
RT: 7.759 min Scan# 987
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

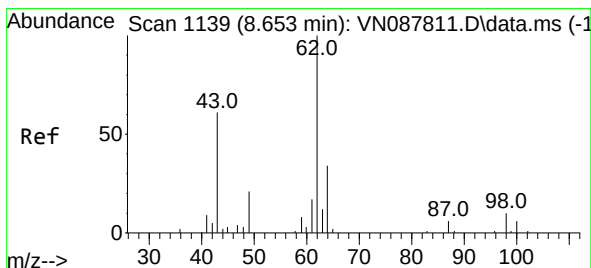
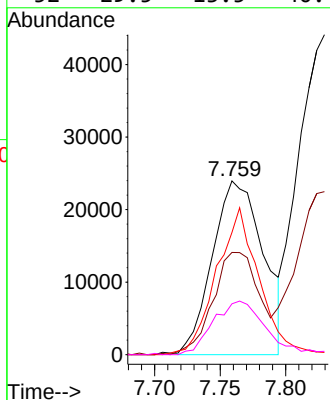
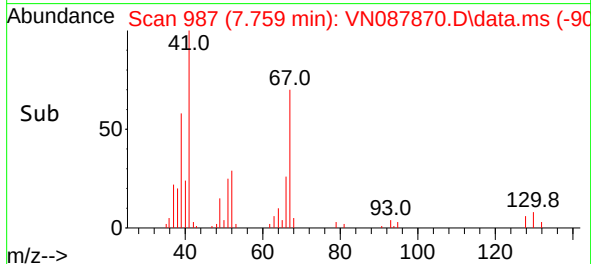
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



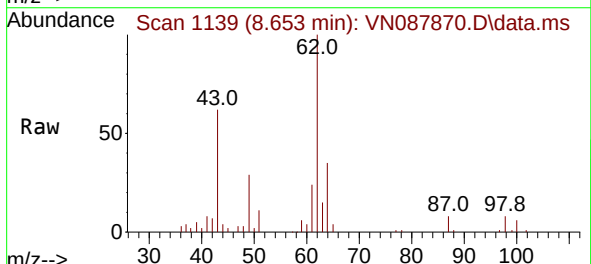
Tgt Ion: 41 Resp: 6467
Ion Ratio Lower Upper
41 100
39 57.4 27.1 81.2
67 68.8 32.1 96.5
52 29.5 13.5 40.4

Manual Integrations
APPROVED

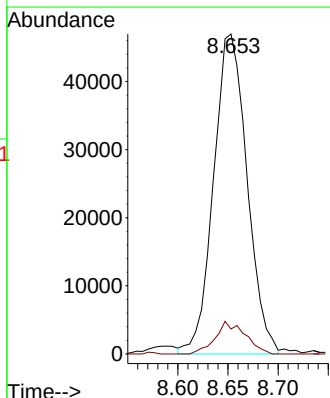
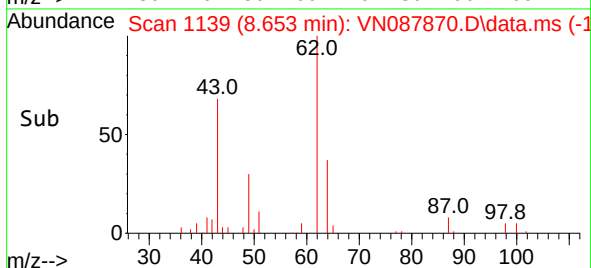
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

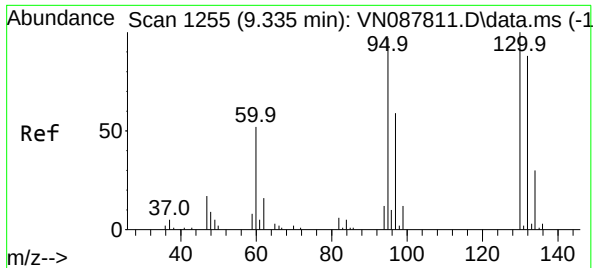


#36
1,2-Dichloroethane
Concen: 18.592 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



Tgt Ion: 62 Resp: 109196
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8





#37

Trichloroethene

Concen: 20.153 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tgt Ion:130 Resp: 70049

Ion Ratio Lower Upper

130 100

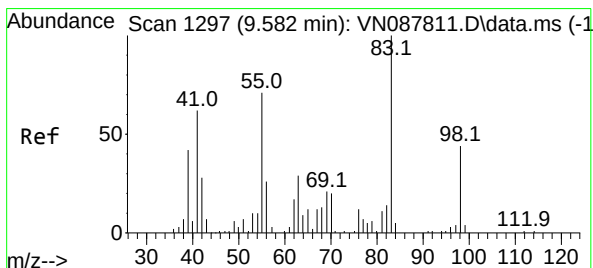
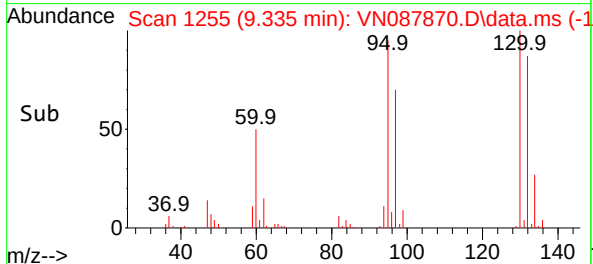
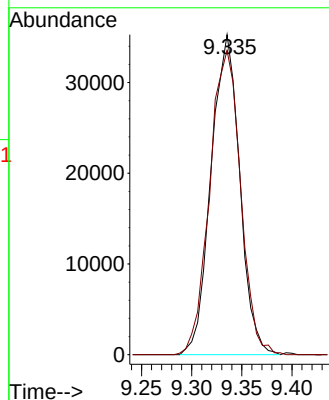
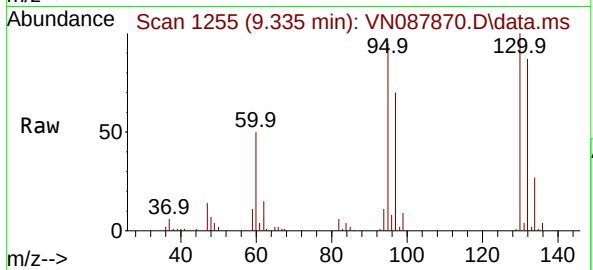
95 94.6 82.7 124.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#38

Methylcyclohexane

Concen: 19.418 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

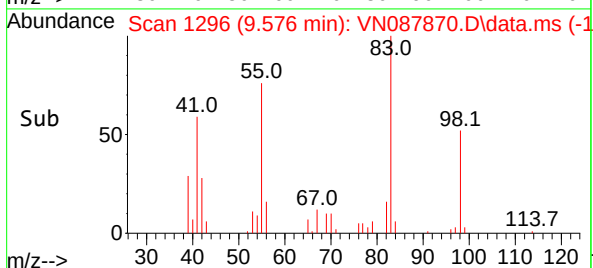
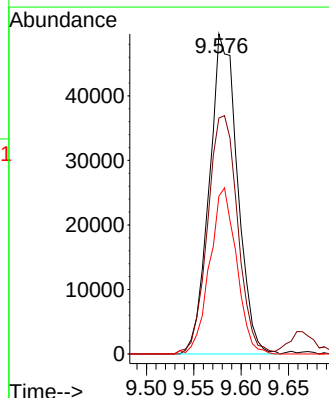
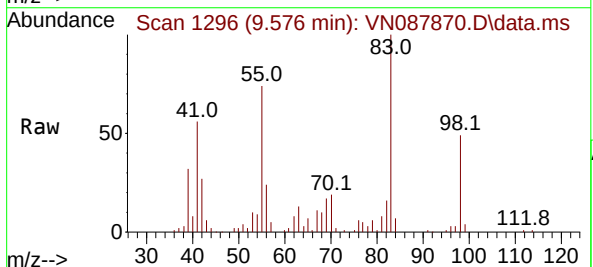
Tgt Ion: 83 Resp: 102865

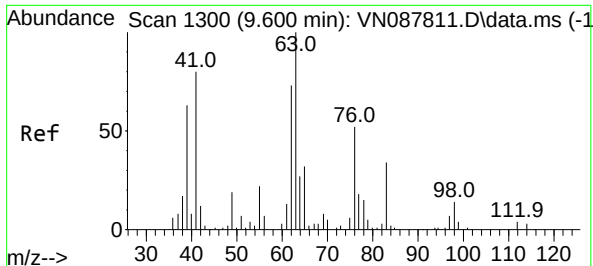
Ion Ratio Lower Upper

83 100

55 79.2 40.4 121.1

98 49.4 24.0 72.0





#39

1,2-Dichloropropane

Concen: 18.863 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tgt Ion: 63 Resp: 7512

Ion Ratio Lower Upper

63 100

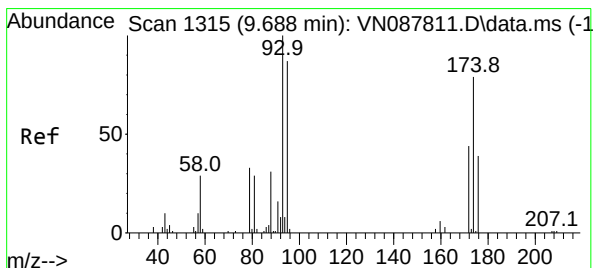
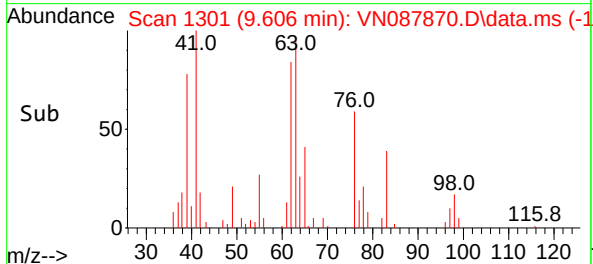
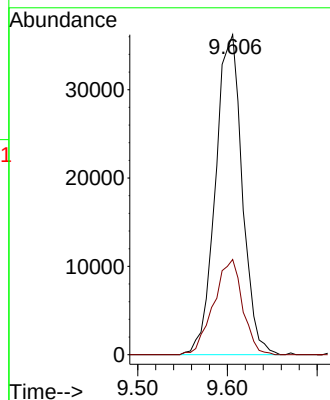
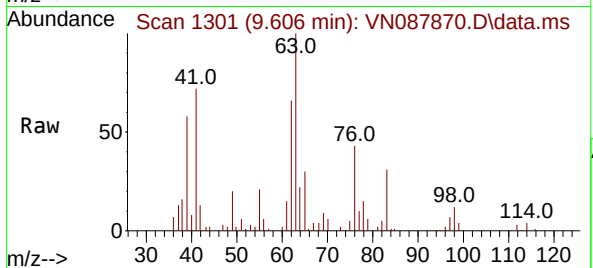
65 29.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#40

Dibromomethane

Concen: 18.421 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

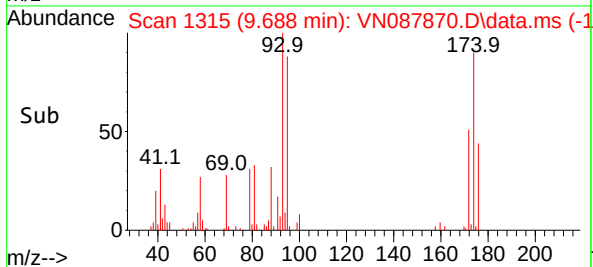
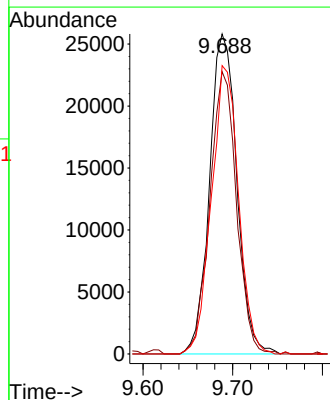
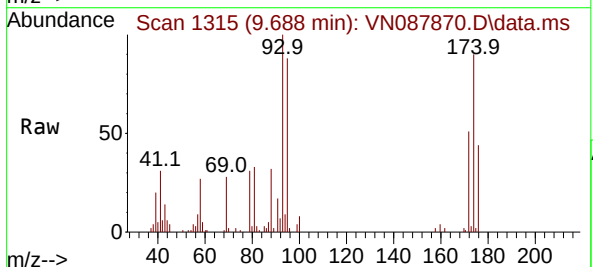
Tgt Ion: 93 Resp: 54595

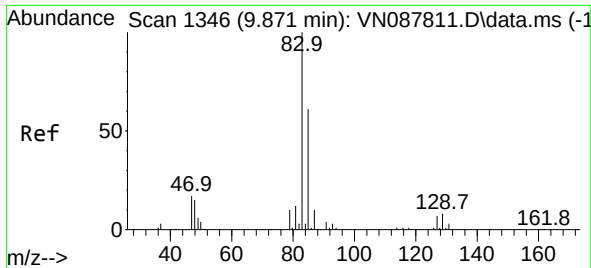
Ion Ratio Lower Upper

93 100

95 85.6 0.0 168.4

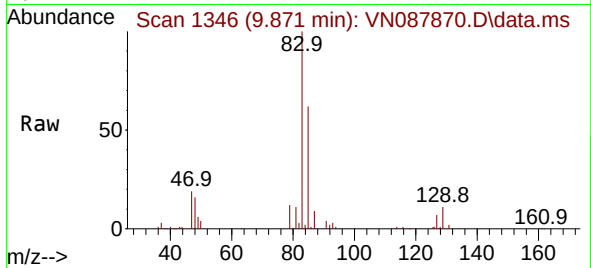
174 89.3 0.0 162.8





#41
Bromodichloromethane
Concen: 18.845 ug/l
RT: 9.871 min Scan# 114152
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

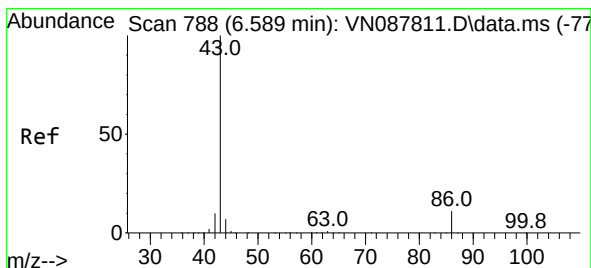
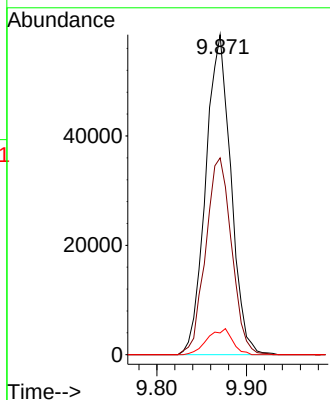
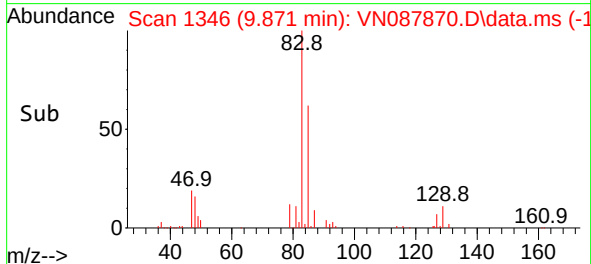
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



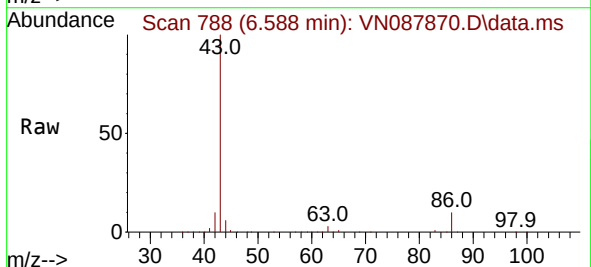
Tgt Ion: 83 Resp: 114152
Ion Ratio Lower Upper
83 100
85 61.5 47.3 70.9
127 6.8 5.2 7.8

Manual Integrations
APPROVED

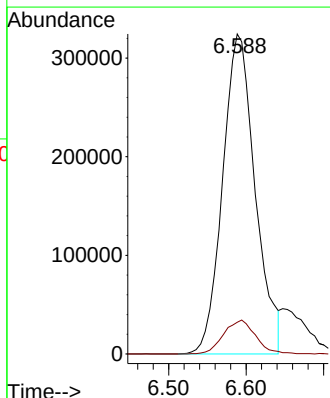
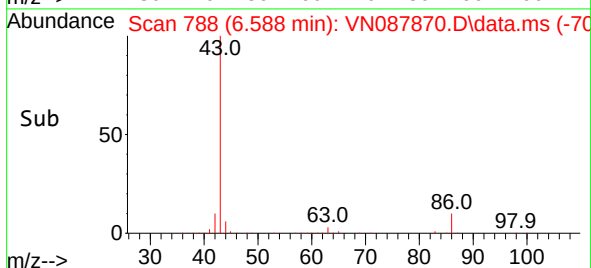
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

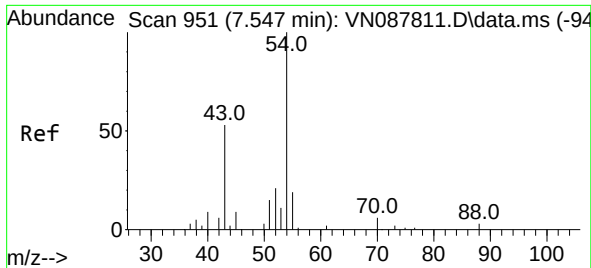


#42
Vinyl Acetate
Concen: 85.635 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



Tgt Ion: 43 Resp: 948262
Ion Ratio Lower Upper
43 100
86 10.4 7.7 11.5





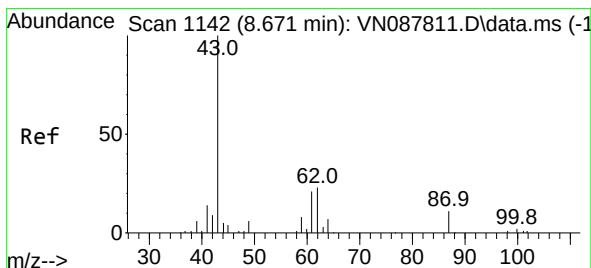
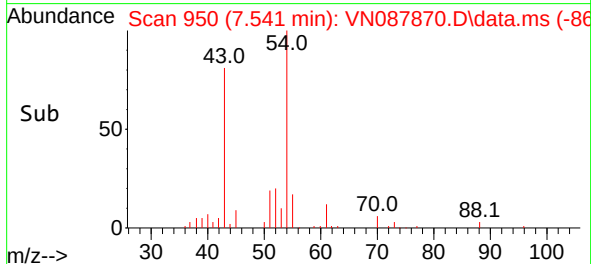
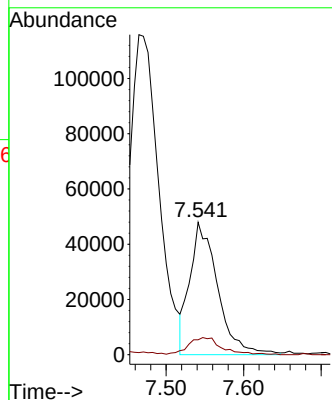
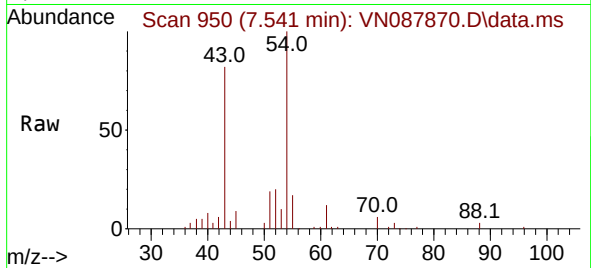
#43
Ethyl Acetate
Concen: 17.623 ug/l
RT: 7.541 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion: 43 Resp: 11932
Ion Ratio Lower Upper
43 100
45 15.1 10.5 15.7

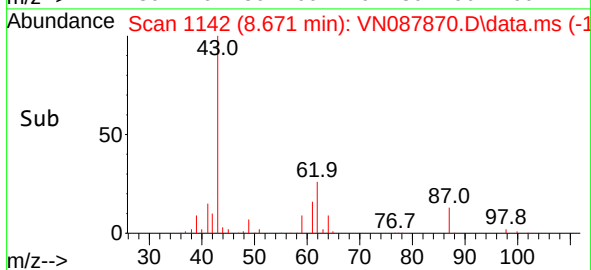
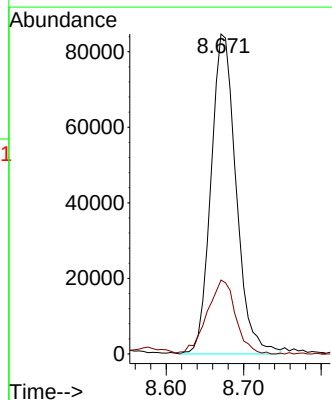
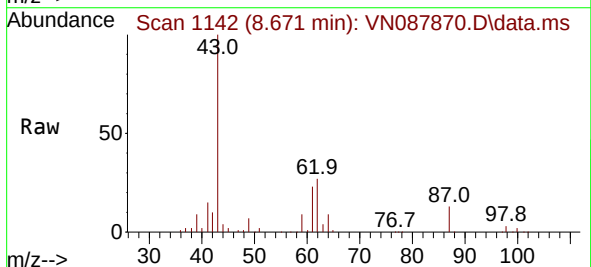
Manual Integrations
APPROVED

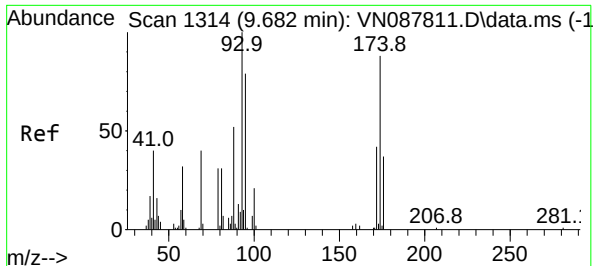
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#44
Isopropyl Acetate
Concen: 17.991 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

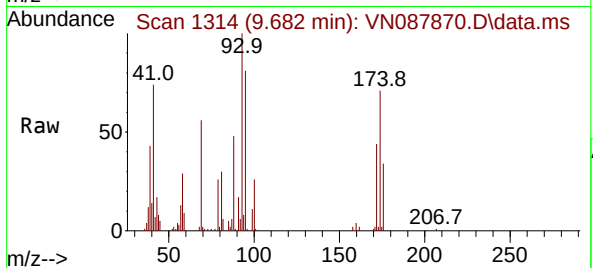
Tgt Ion: 43 Resp: 190975
Ion Ratio Lower Upper
43 100
61 26.1 19.5 29.3





#45
1,4-Dioxane
Concen: 374.007 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

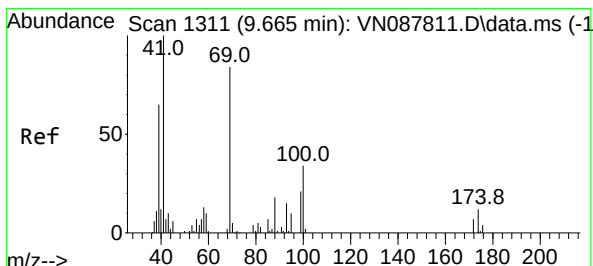
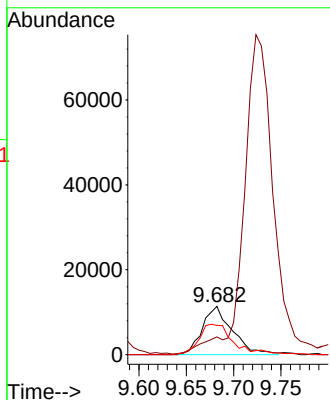
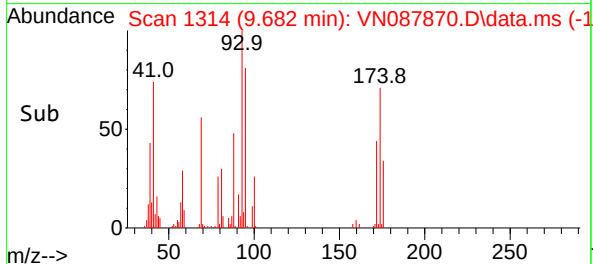
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



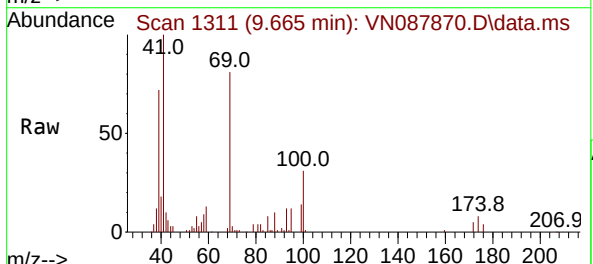
Tgt Ion: 88 Resp: 2503
Ion Ratio Lower Upper
88 100
43 26.9 23.6 35.4
58 40.6 60.5 90.7

Manual Integrations
APPROVED

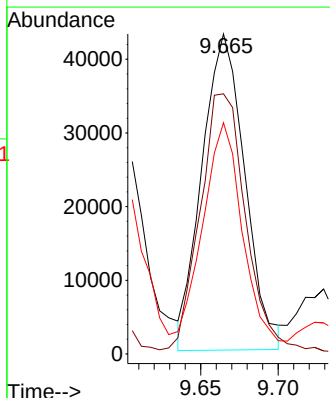
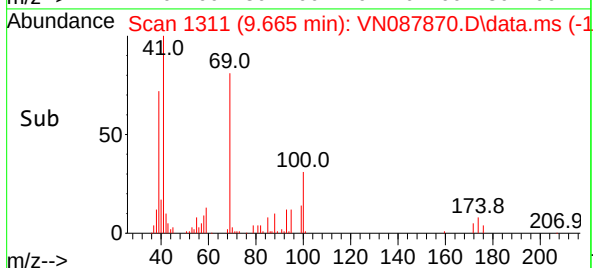
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

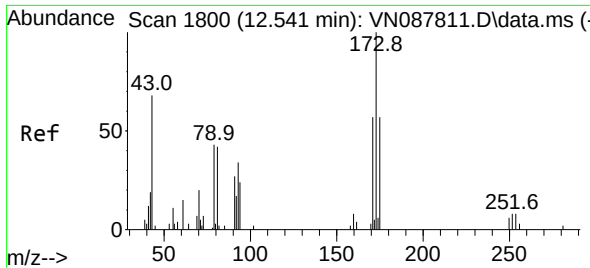


#46
Methyl methacrylate
Concen: 16.855 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



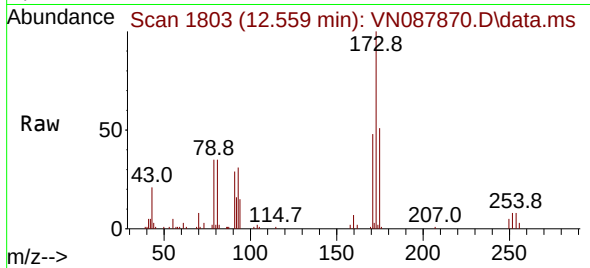
Tgt Ion: 41 Resp: 82471
Ion Ratio Lower Upper
41 100
69 83.8 40.3 120.9
39 74.8 31.9 95.9





#47
n-amy1 Acetate
Concen: 14.223 ug/l m
RT: 12.559 min Scan# 1
Delta R.T. -0.112 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

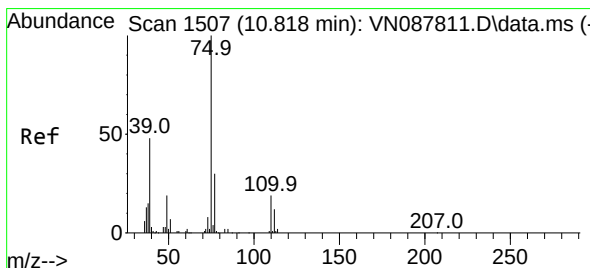
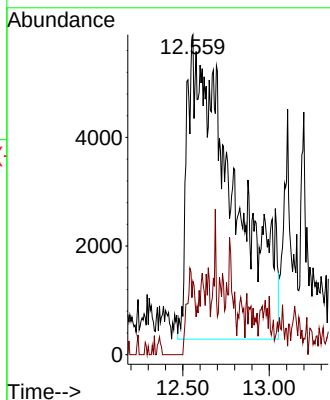
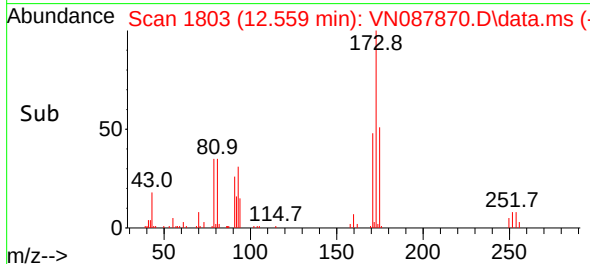
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 43 Resp: 102030
Ion Ratio Lower Upper
43 100
55 0.0 0.7 1.1

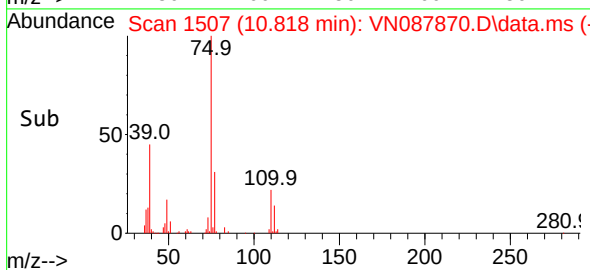
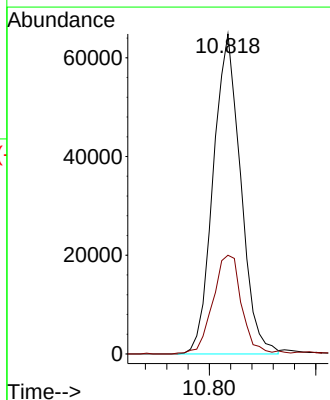
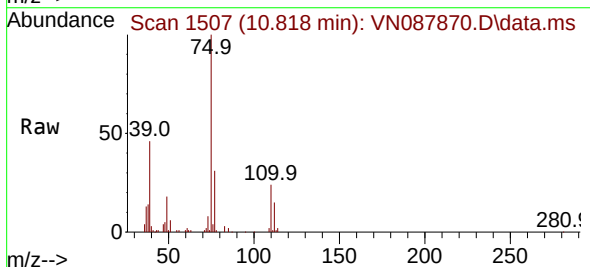
Manual Integrations
APPROVED

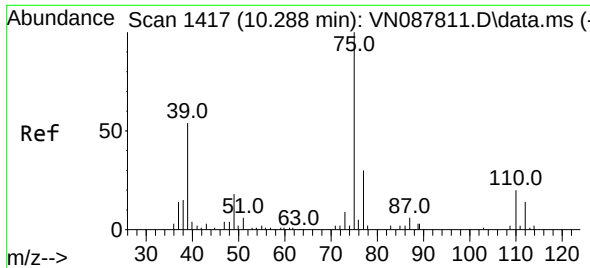
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#48
t-1,3-Dichloropropene
Concen: 18.442 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

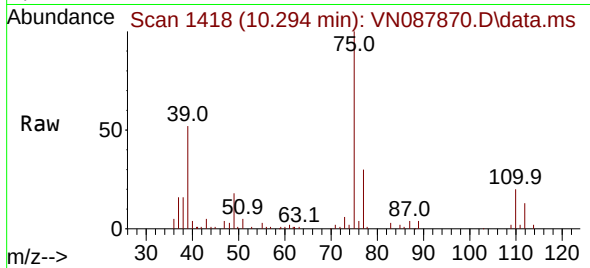
Tgt Ion: 75 Resp: 116022
Ion Ratio Lower Upper
75 100
77 30.5 24.7 37.1





#49
 cis-1,3-Dichloropropene
 Concen: 18.464 ug/l
 RT: 10.294 min Scan# 1417
 Delta R.T. 0.006 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

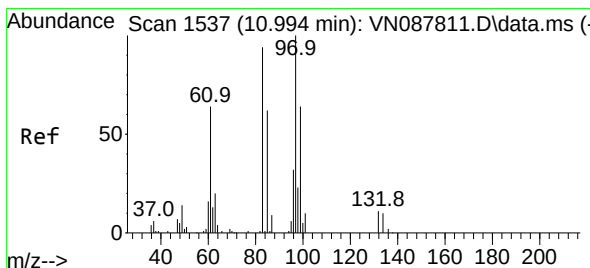
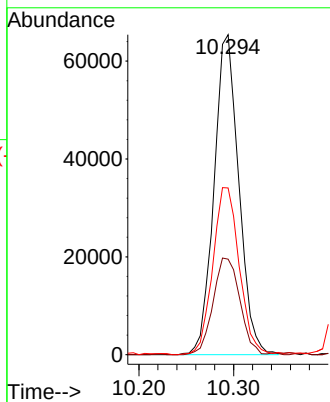
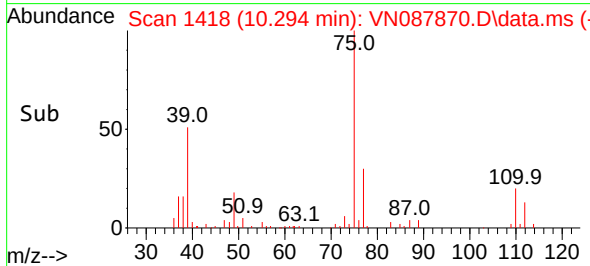
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01



Tgt Ion: 75 Resp: 11898
 Ion Ratio Lower Upper
 75 100
 77 29.9 27.8 41.6
 39 52.1 47.6 71.4

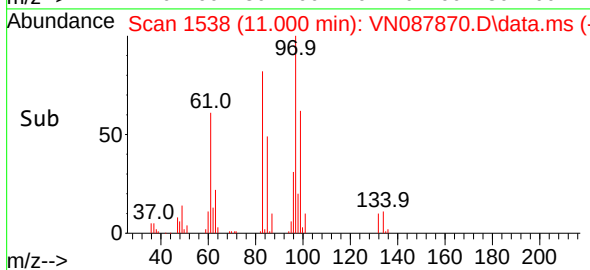
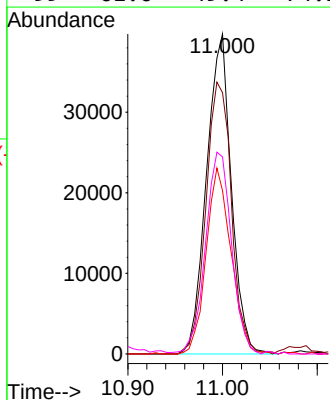
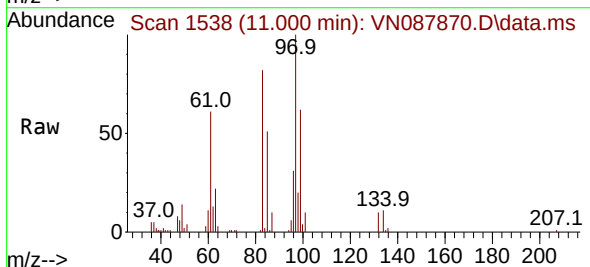
Manual Integrations
 APPROVED

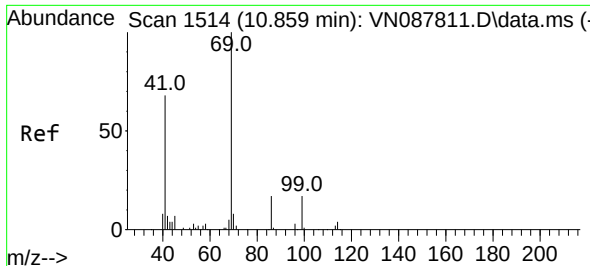
Reviewed By :John Carlone 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#50
 1,1,2-Trichloroethane
 Concen: 18.879 ug/l
 RT: 11.000 min Scan# 1538
 Delta R.T. 0.006 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

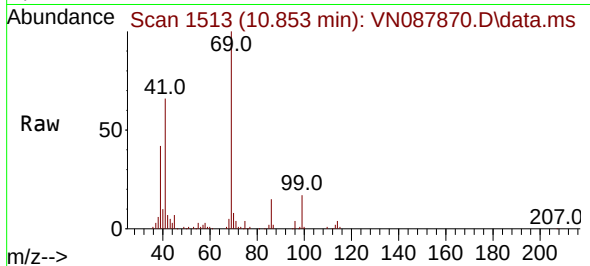
Tgt Ion: 97 Resp: 72265
 Ion Ratio Lower Upper
 97 100
 83 81.7 70.5 105.7
 85 51.0 46.3 69.5
 99 61.6 49.4 74.2





#51
Ethyl methacrylate
Concen: 17.847 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

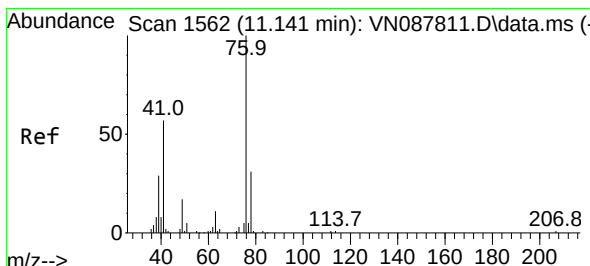
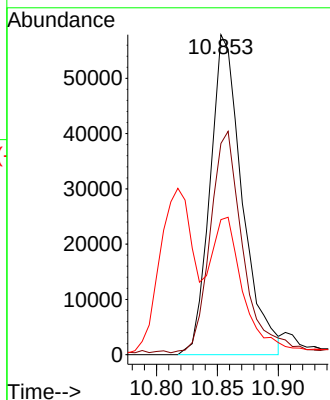
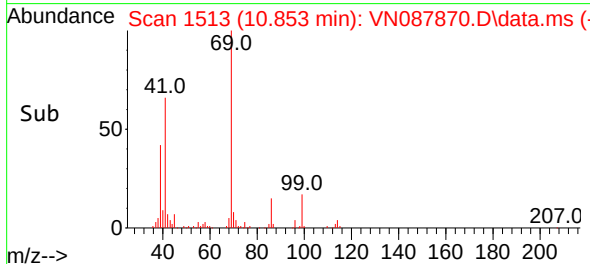
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 69 Resp: 106318
Ion Ratio Lower Upper
69 100
41 64.8 33.7 101.0
39 38.4 20.3 60.9

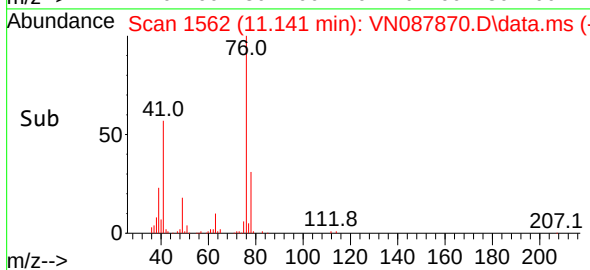
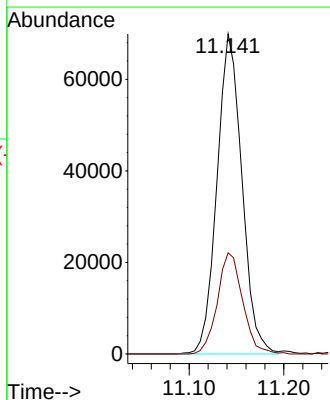
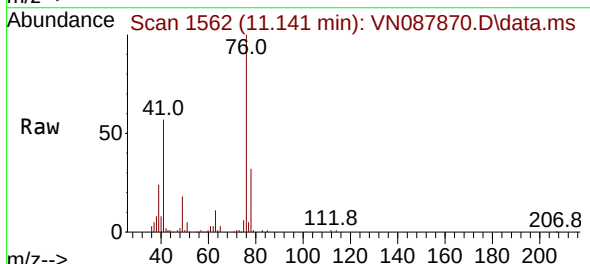
Manual Integrations
APPROVED

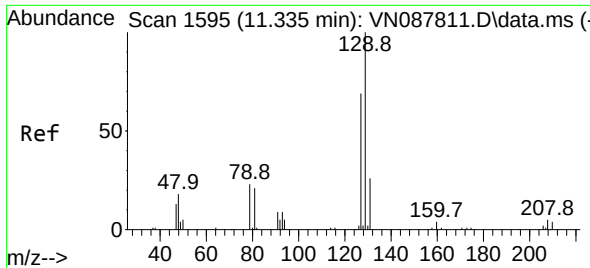
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#52
1,3-Dichloropropane
Concen: 19.222 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

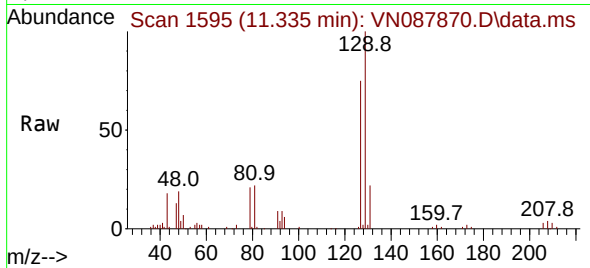
Tgt Ion: 76 Resp: 127768
Ion Ratio Lower Upper
76 100
78 32.0 0.0 65.2





#53
Dibromochloromethane
Concen: 19.976 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

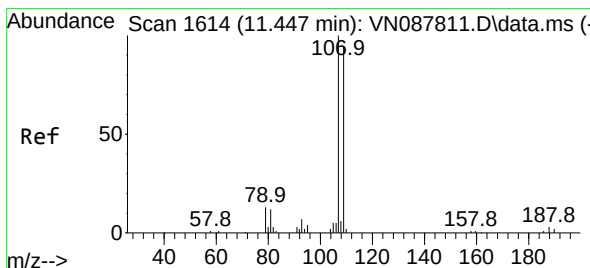
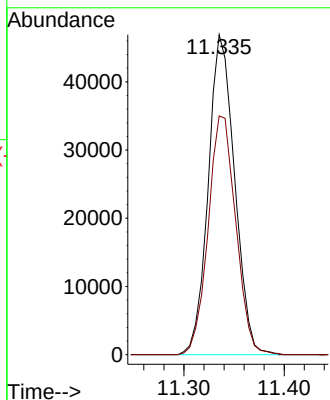
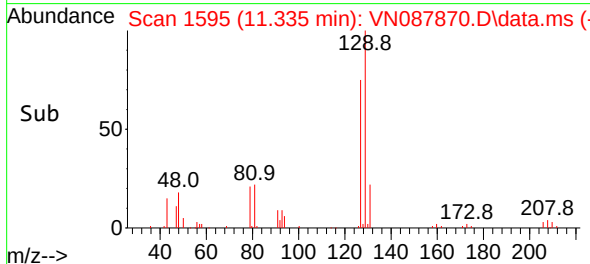
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



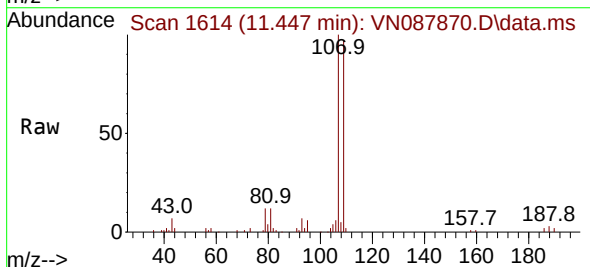
Tgt Ion:129 Resp: 8573
Ion Ratio Lower Upper
129 100
127 78.2 42.6 128.0

Manual Integrations
APPROVED

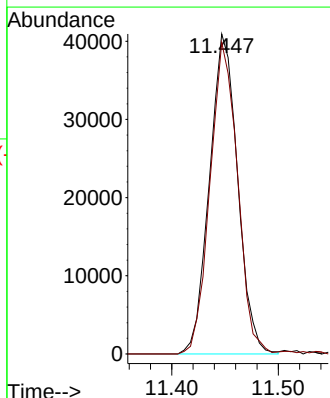
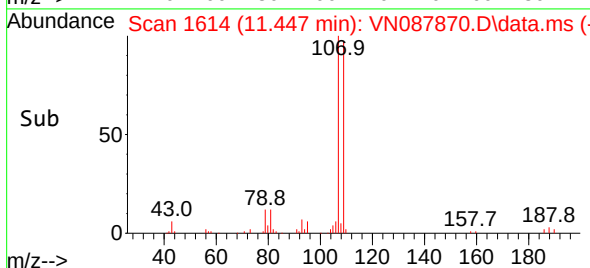
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

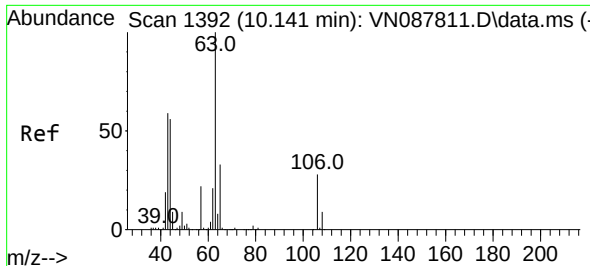


#54
1,2-Dibromoethane
Concen: 18.855 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



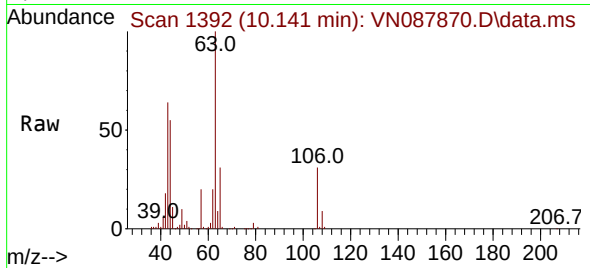
Tgt Ion:107 Resp: 75101
Ion Ratio Lower Upper
107 100
109 95.0 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 83.801 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

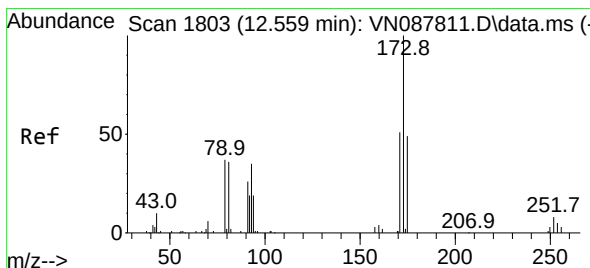
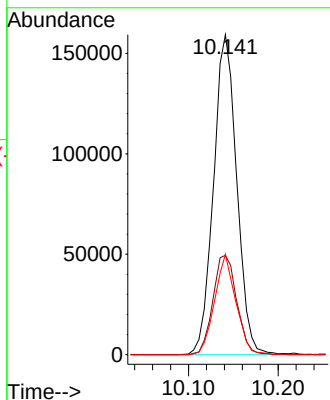
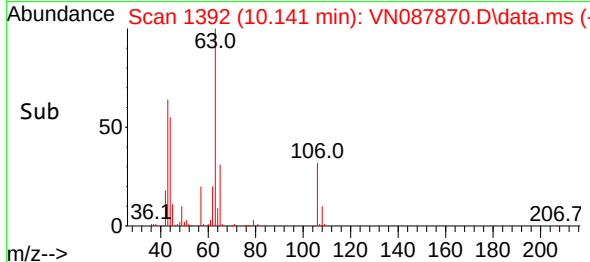
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 63 Resp: 286029
Ion Ratio Lower Upper
63 100
65 31.9 26.6 40.0
106 28.7 21.1 31.7

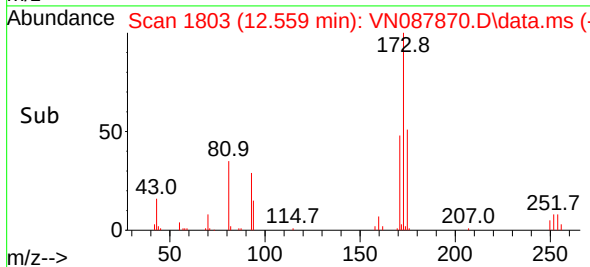
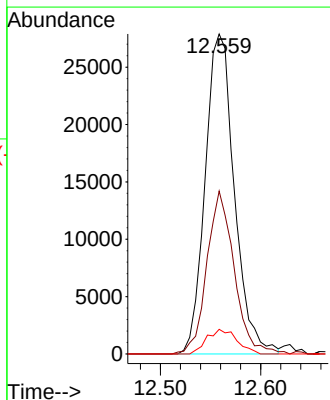
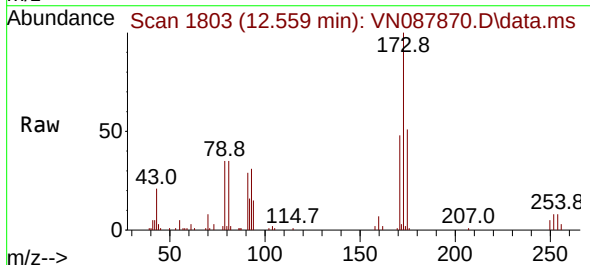
Manual Integrations
APPROVED

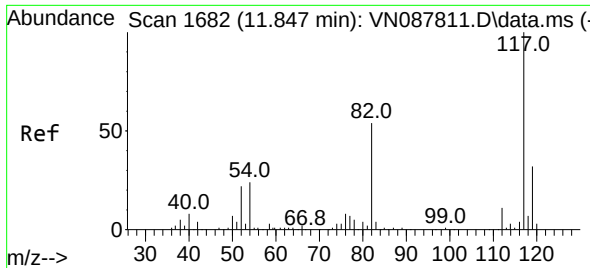
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#56
Bromoform
Concen: 20.167 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

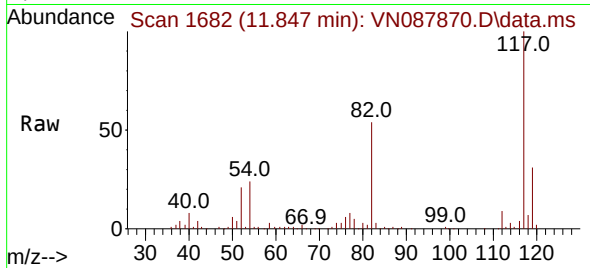
Tgt Ion:173 Resp: 56526
Ion Ratio Lower Upper
173 100
175 47.5 39.8 59.6
254 7.9 6.2 9.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

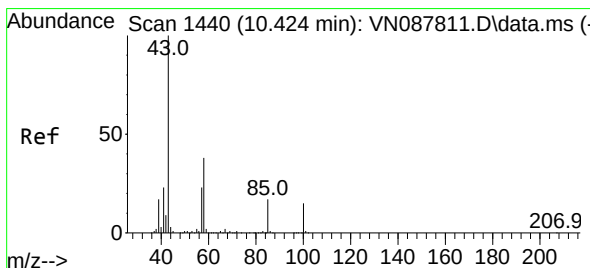
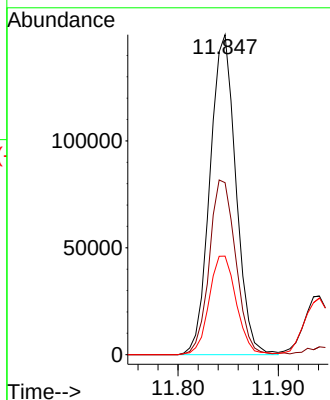
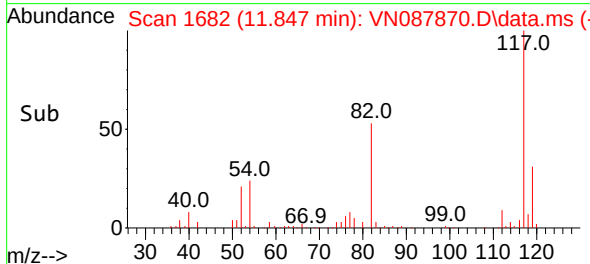
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



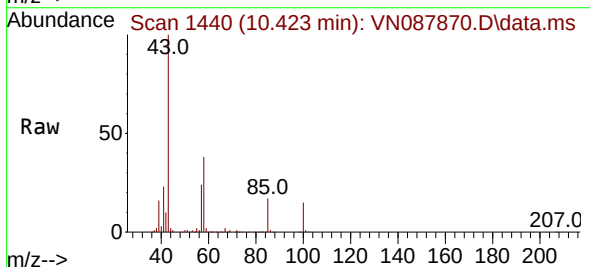
Tgt Ion:117 Resp: 268770
Ion Ratio Lower Upper
117 100
82 55.6 45.9 68.9
119 32.3 25.3 37.9

Manual Integrations
APPROVED

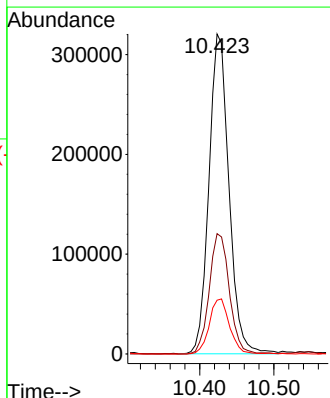
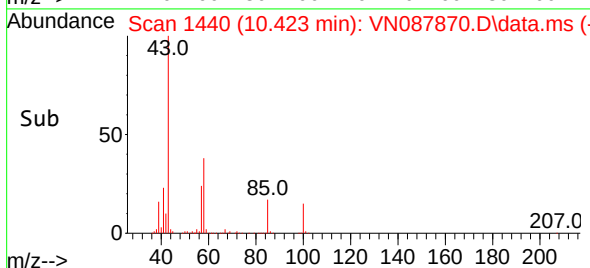
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

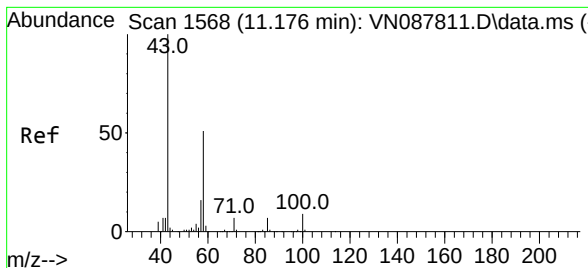


#58
4-Methyl-2-Pentanone
Concen: 94.543 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



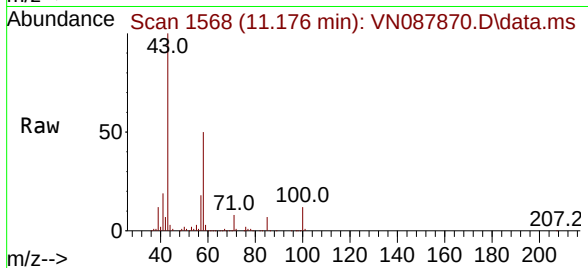
Tgt Ion: 43 Resp: 600838
Ion Ratio Lower Upper
43 100
58 37.6 29.6 44.4
85 17.4 13.0 19.4





#59
2-Hexanone
Concen: 92.361 ug/l
RT: 11.176 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

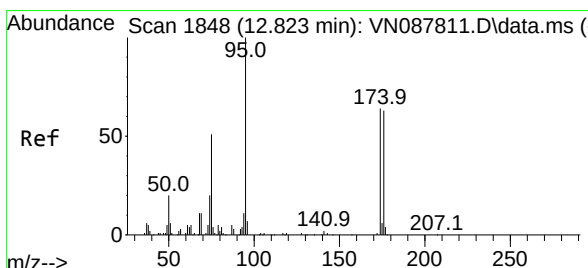
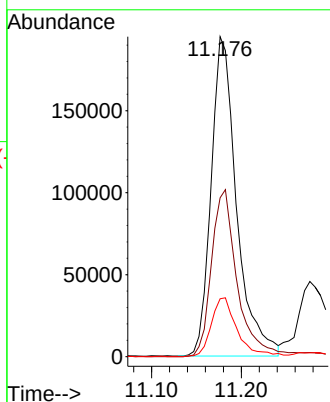
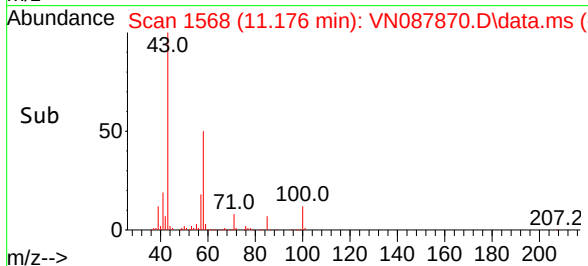
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



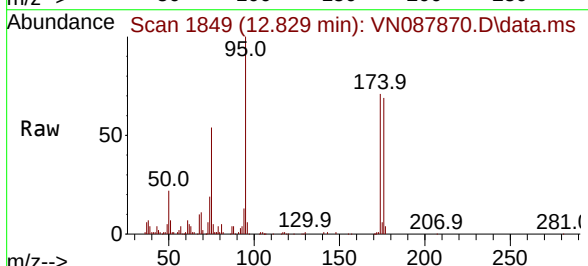
Tgt Ion: 43 Resp: 38355
Ion Ratio Lower Upper
43 100
58 53.0 40.2 60.4
57 18.8 13.7 20.5

Manual Integrations
APPROVED

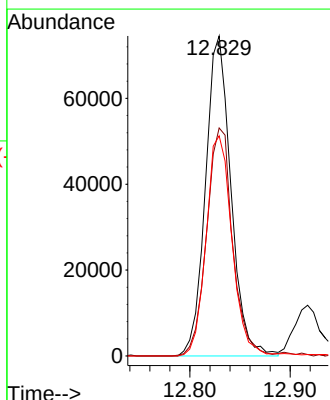
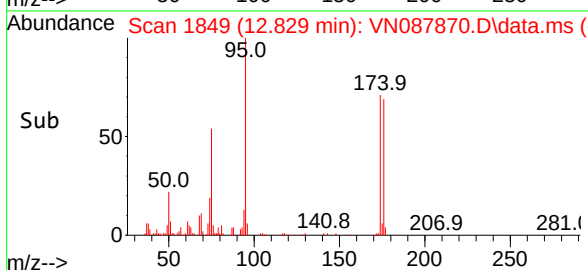
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

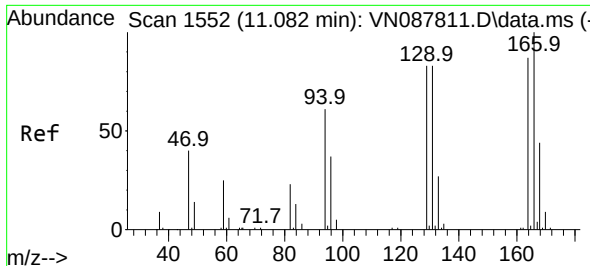


#60
4-Bromofluorobenzene
Concen: 30.402 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



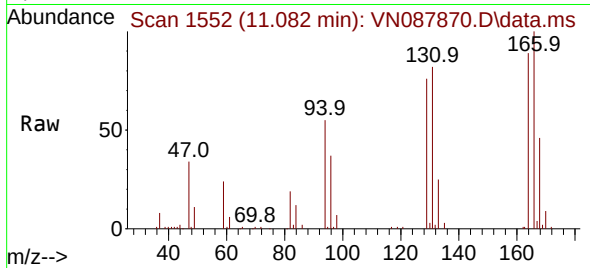
Tgt Ion: 95 Resp: 131390
Ion Ratio Lower Upper
95 100
174 72.9 55.4 83.0
176 69.7 51.5 77.3





#61
Tetrachloroethene
Concen: 22.587 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

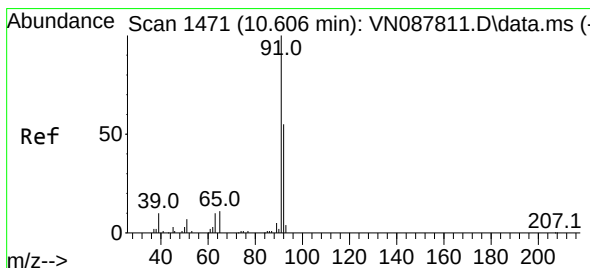
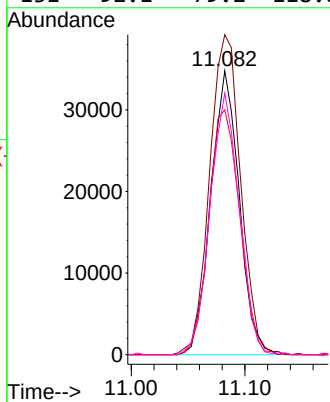
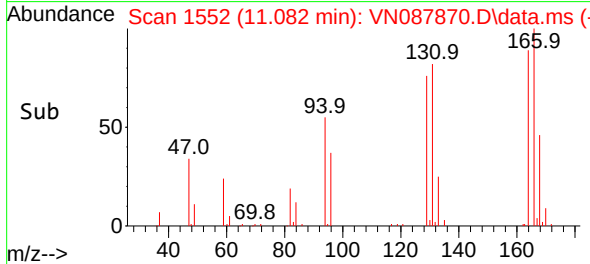
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



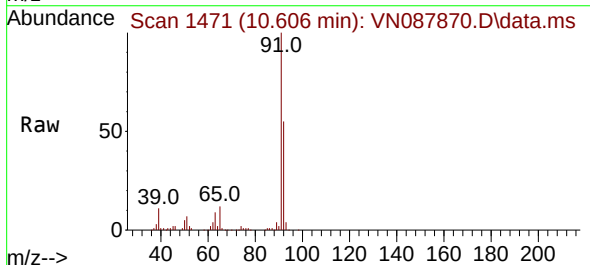
Tgt Ion:164 Resp: 60444
Ion Ratio Lower Upper
164 100
166 112.1 97.3 145.9
129 86.2 78.6 117.8
131 92.1 79.2 118.8

Manual Integrations
APPROVED

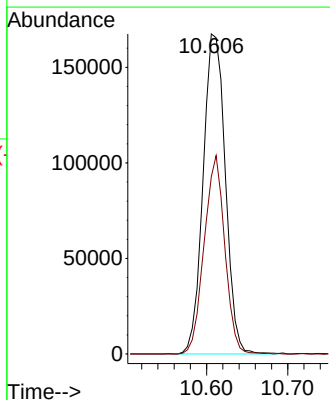
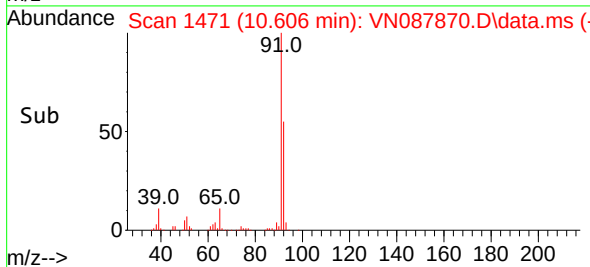
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

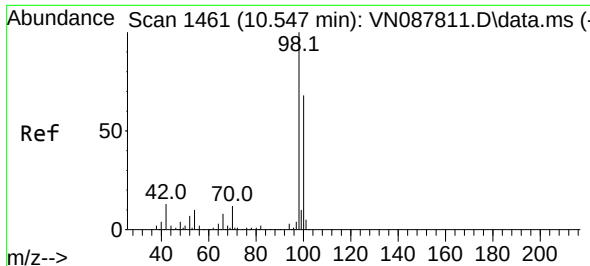


#62
Toluene
Concen: 19.612 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



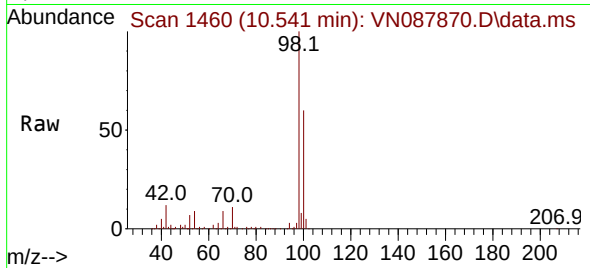
Tgt Ion: 91 Resp: 318841
Ion Ratio Lower Upper
91 100
92 57.5 45.4 68.0





#63
Toluene-d8
Concen: 29.804 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

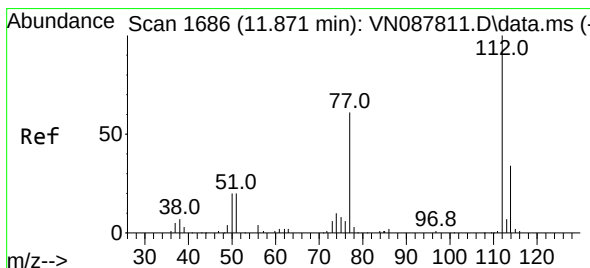
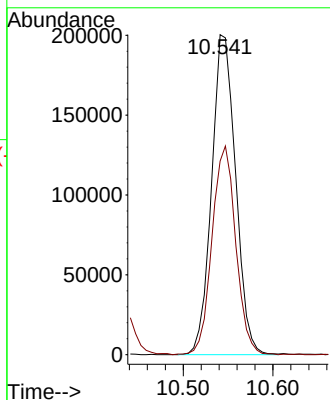
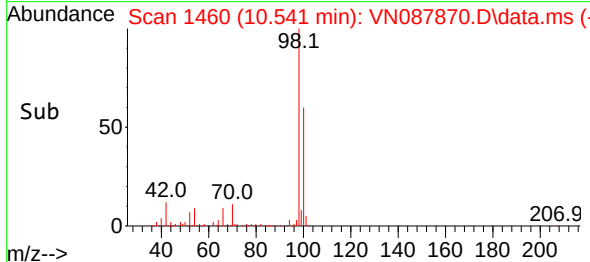
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion: 98 Resp: 372539
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

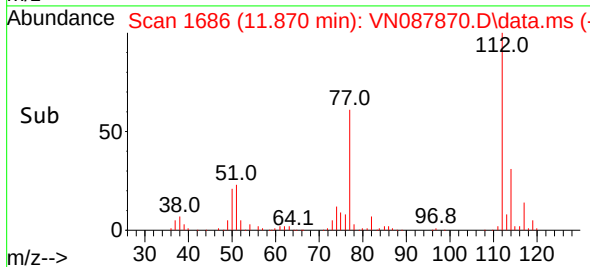
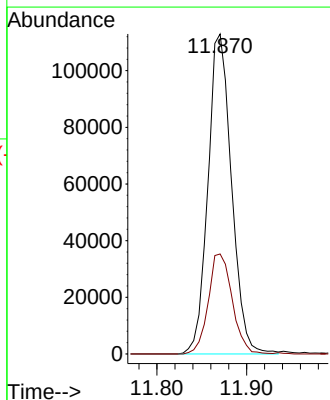
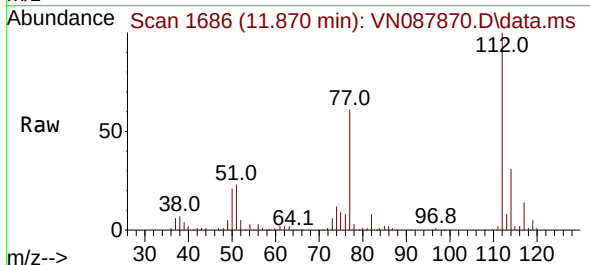
Manual Integrations
APPROVED

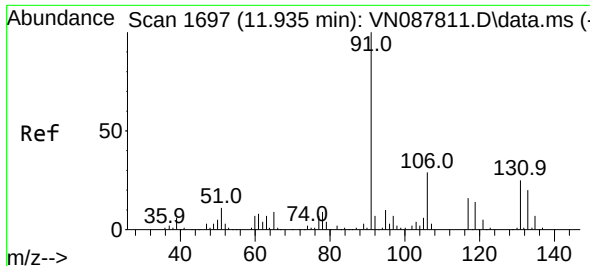
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#64
Chlorobenzene
Concen: 20.686 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion:112 Resp: 206408
Ion Ratio Lower Upper
112 100
114 31.2 23.5 35.3





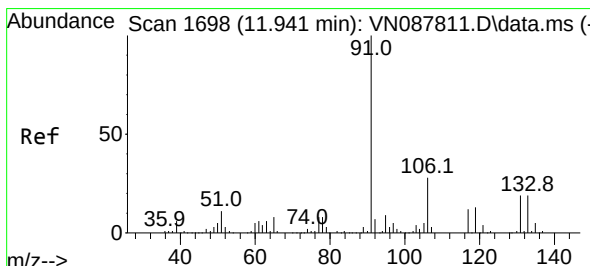
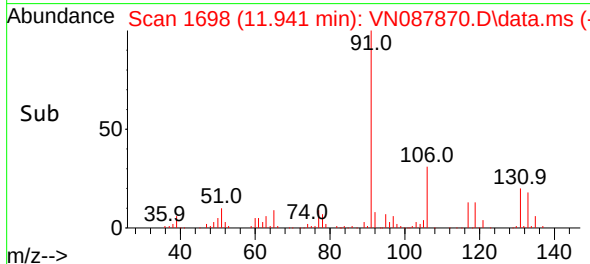
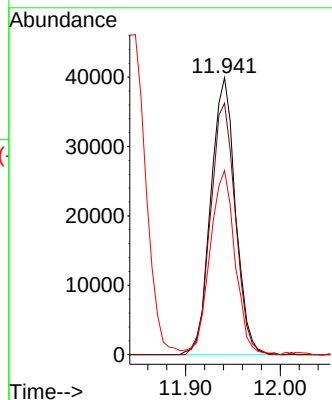
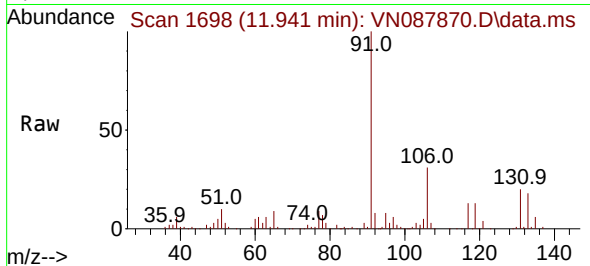
#65
1,1,1,2-Tetrachloroethane
Concen: 20.546 ug/l
RT: 11.941 min Scan# 1697
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion:131 Resp: 72178
Ion Ratio Lower Upper
131 100
133 91.9 0.0 195.8
119 67.9 0.0 139.0

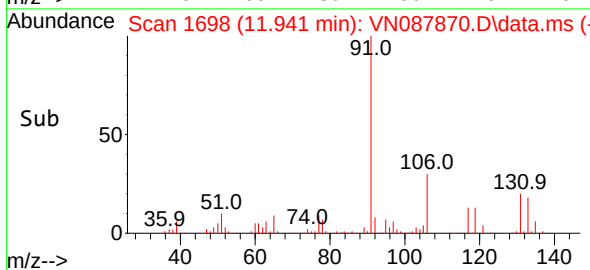
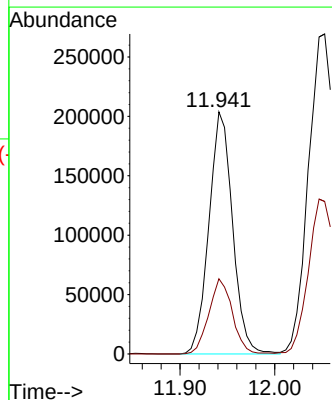
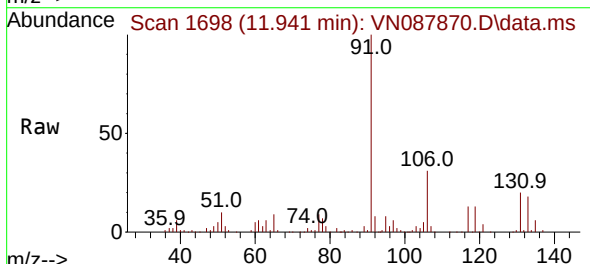
Manual Integrations
APPROVED

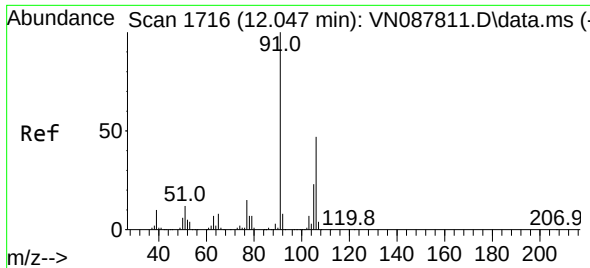
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#66
Ethyl Benzene
Concen: 20.169 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

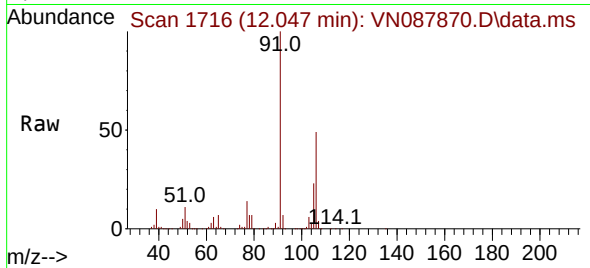
Tgt Ion: 91 Resp: 353748
Ion Ratio Lower Upper
91 100
106 31.1 21.3 31.9





#67
m/p-Xylenes
Concen: 40.829 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

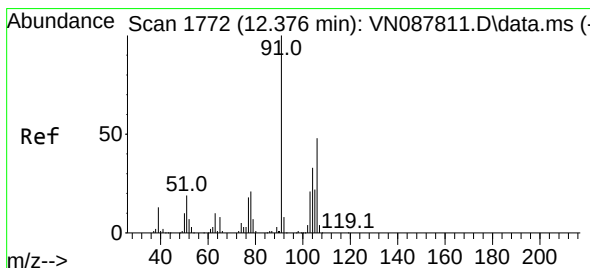
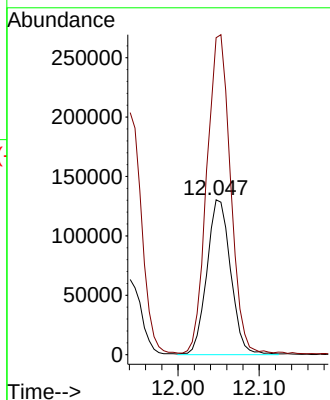
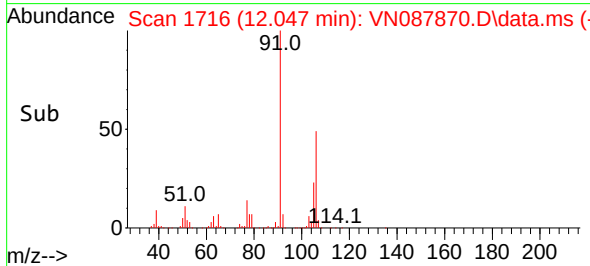
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion:106 Resp: 265828
Ion Ratio Lower Upper
106 100
91 204.9 174.3 261.5

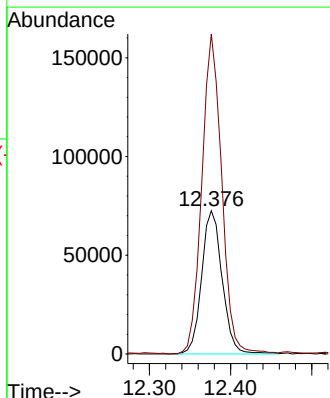
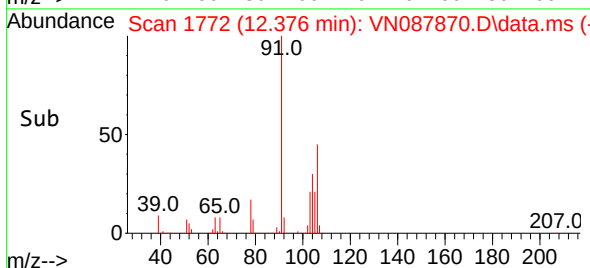
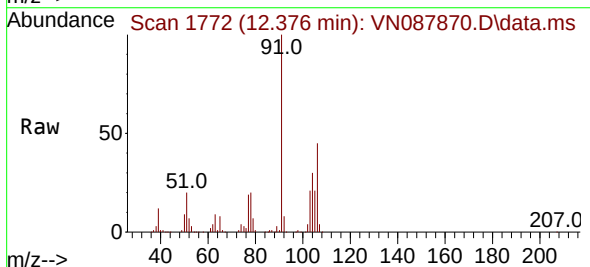
Manual Integrations
APPROVED

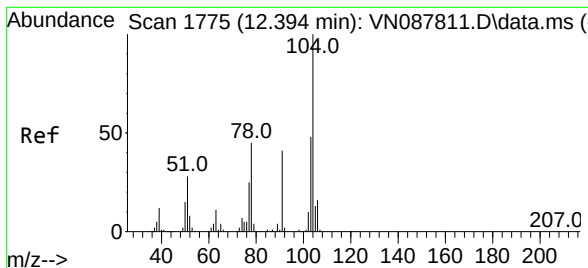
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#68
o-Xylene
Concen: 20.161 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion:106 Resp: 127272
Ion Ratio Lower Upper
106 100
91 217.1 107.7 323.3





#69

Styrene

Concen: 19.464 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

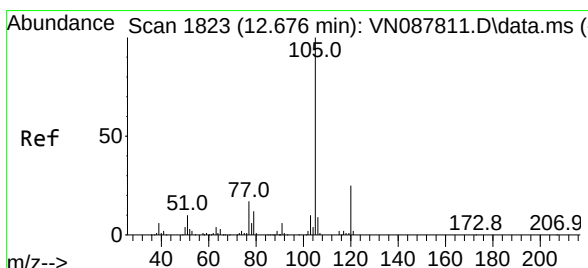
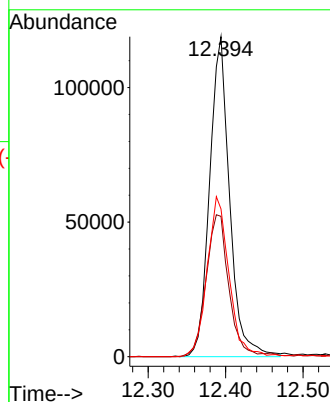
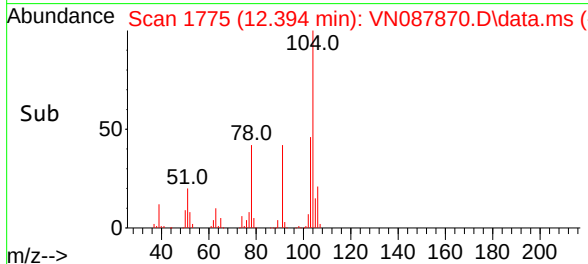
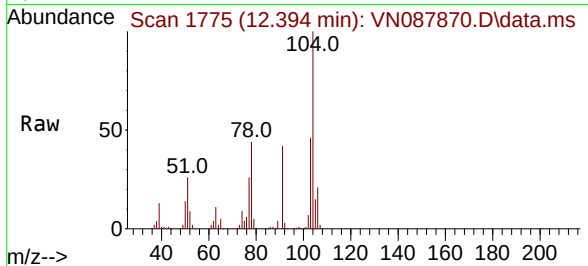
Tgt Ion:	104	Resp:	213549
Ion Ratio	Lower	Upper	
104	100		
78	49.9	41.0	61.6
103	54.5	44.6	66.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#70

Isopropylbenzene

Concen: 21.086 ug/l

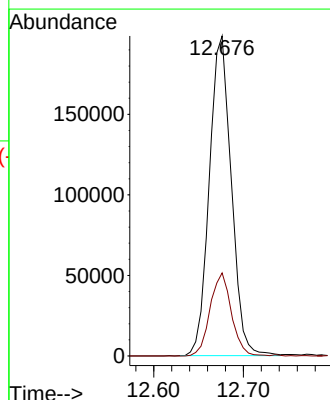
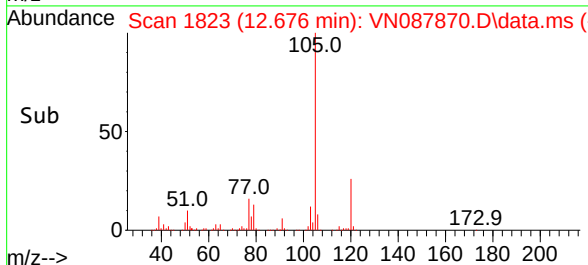
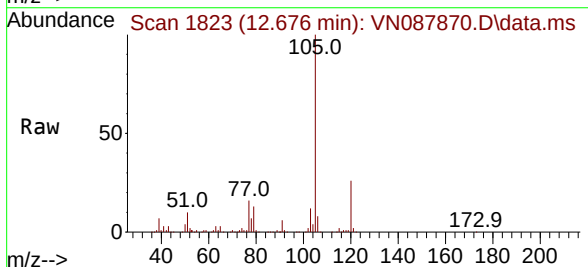
RT: 12.676 min Scan# 1823

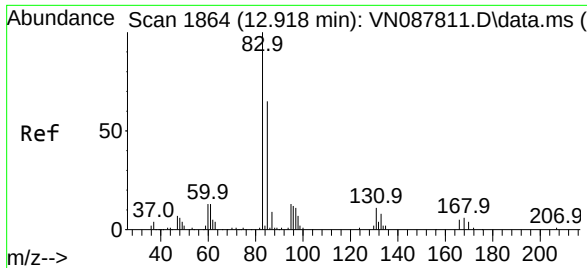
Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

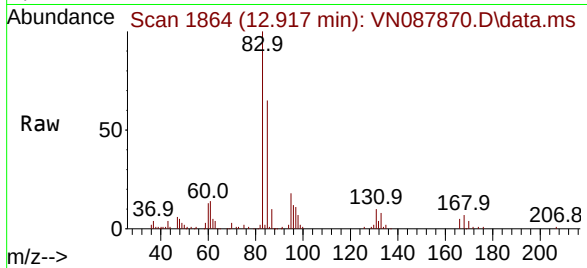
Tgt Ion:	105	Resp:	337517
Ion Ratio	Lower	Upper	
105	100		
120	25.2	17.4	32.4





#71
1,1,2,2-Tetrachloroethane
Concen: 19.925 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

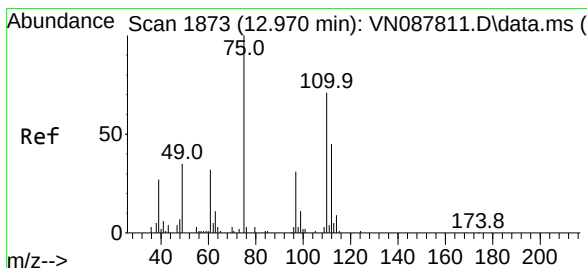
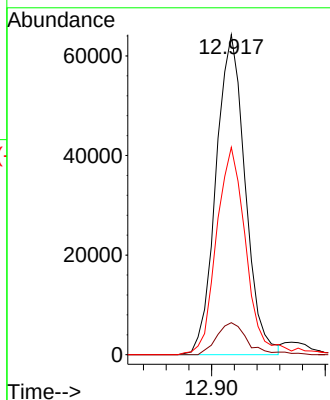
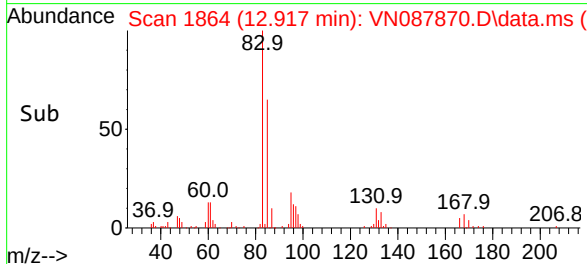
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



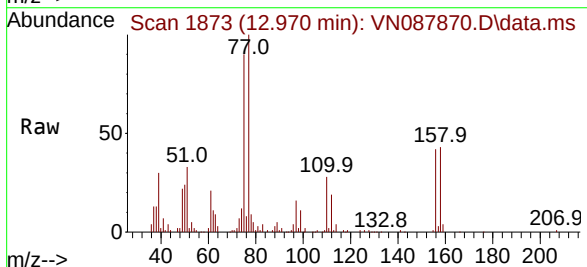
Tgt Ion: 83 Resp: 114652
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 65.1 31.9 95.7

Manual Integrations
APPROVED

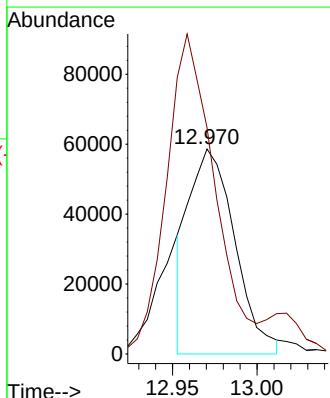
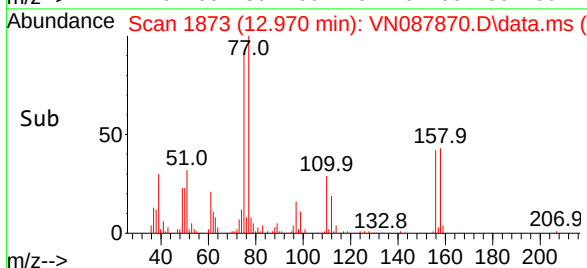
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

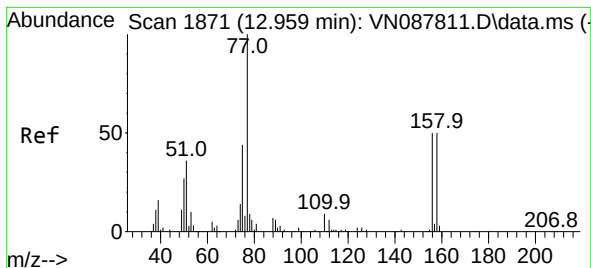


#72
1,2,3-Trichloropropane
Concen: 19.649 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



Tgt Ion: 75 Resp: 111015
Ion Ratio Lower Upper
75 100
77 164.1 0.0 378.8





#73

Bromobenzene

Concen: 20.489 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

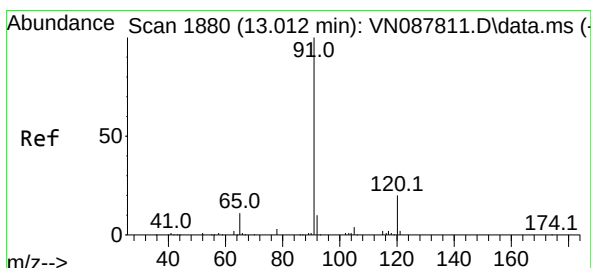
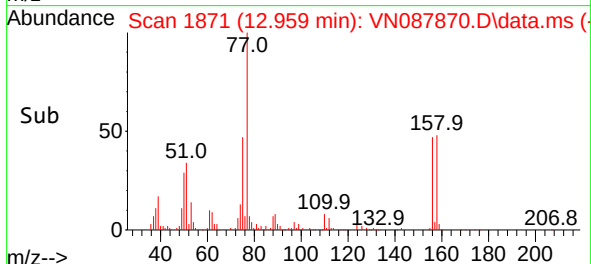
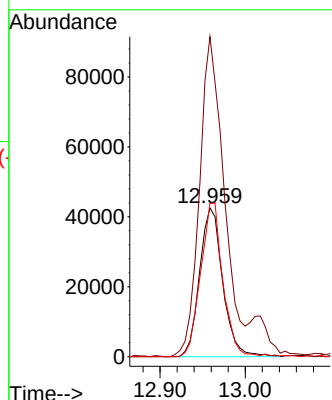
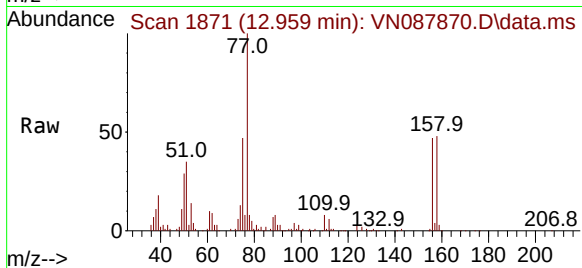
Tgt Ion:	156	Resp:	80238
Ion Ratio	Lower	Upper	
156	100		
77	227.0	0.0	484.2
158	99.1	0.0	186.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#74

n-propylbenzene

Concen: 20.722 ug/l

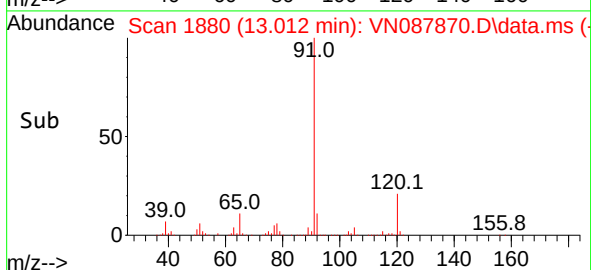
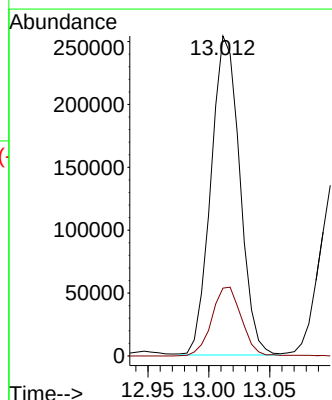
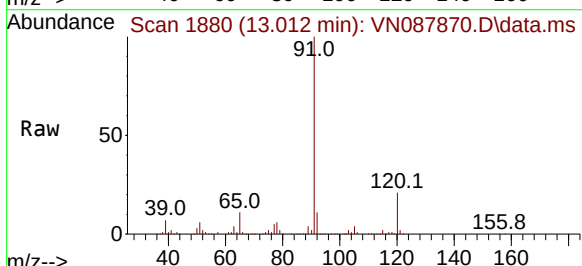
RT: 13.012 min Scan# 1880

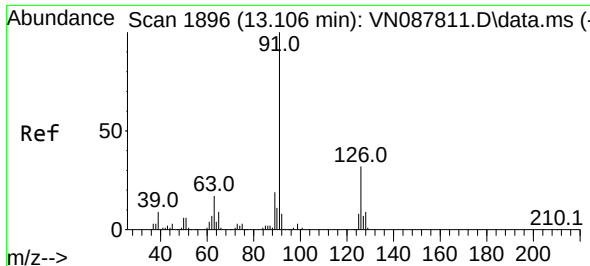
Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Tgt Ion:	91	Resp:	418506
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	42.2





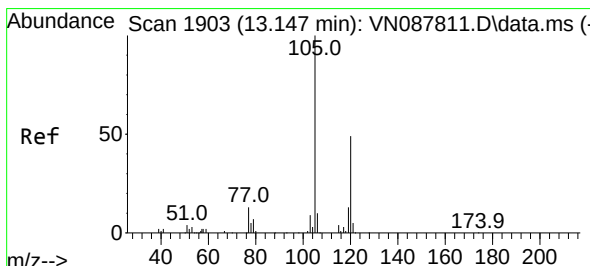
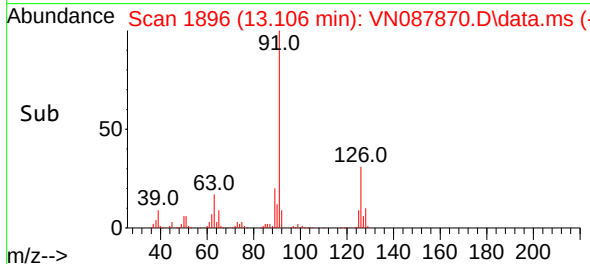
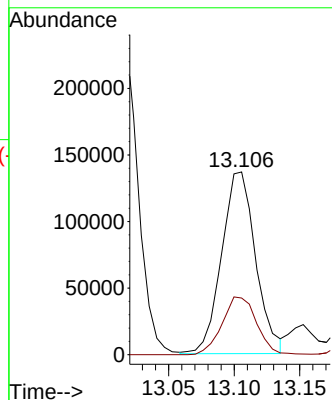
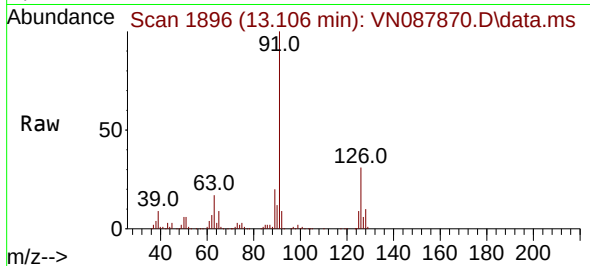
#75
2-Chlorotoluene
Concen: 20.240 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion: 91 Resp: 246028
Ion Ratio Lower Upper
91 100
126 32.4 0.0 60.4

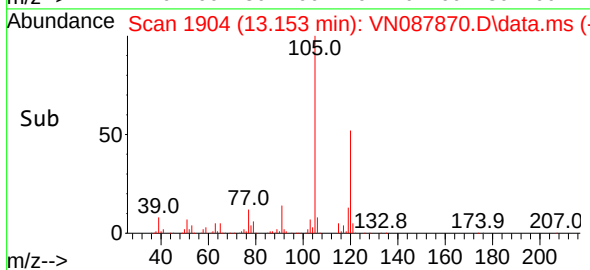
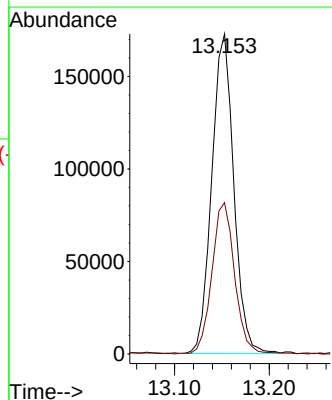
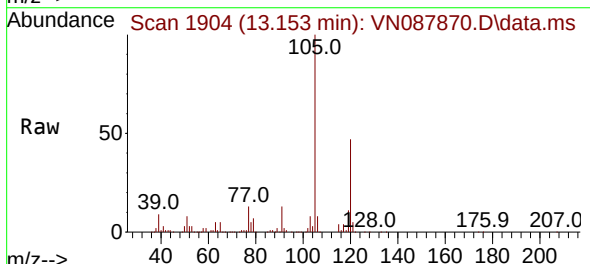
Manual Integrations
APPROVED

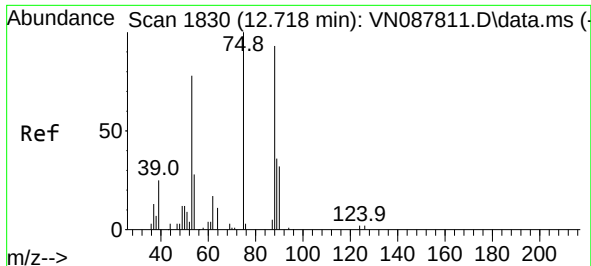
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.642 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion:105 Resp: 279014
Ion Ratio Lower Upper
105 100
120 49.0 0.0 92.6





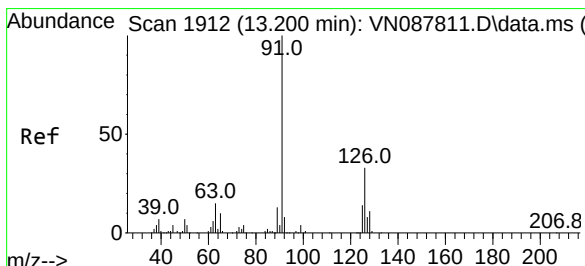
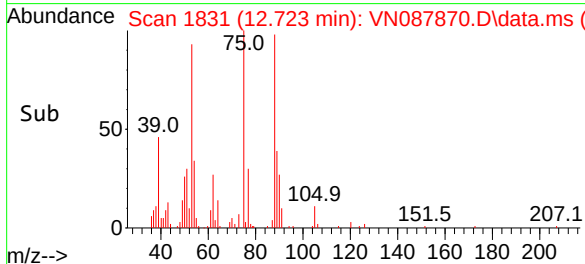
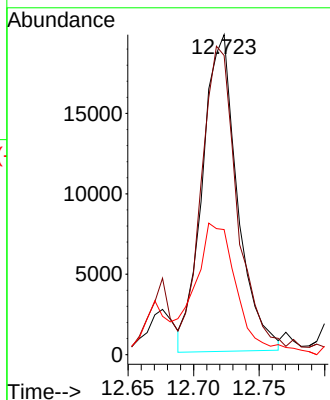
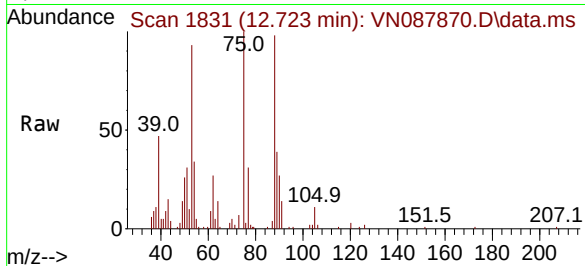
#77
t-1,4-Dichloro-2-butene
Concen: 19.139 ug/l
RT: 12.723 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tgt Ion: 75 Resp: 3649
Ion Ratio Lower Upper
75 100
53 92.4 45.3 135.9
89 37.6 18.8 56.3

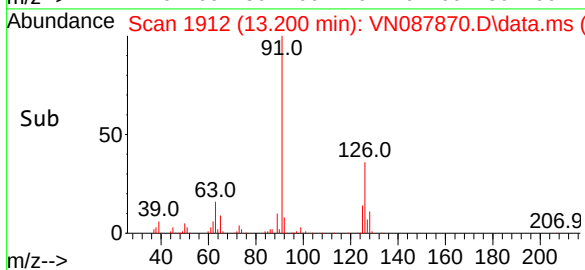
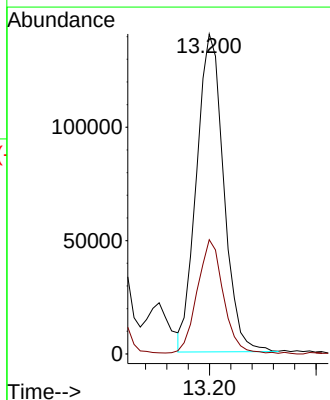
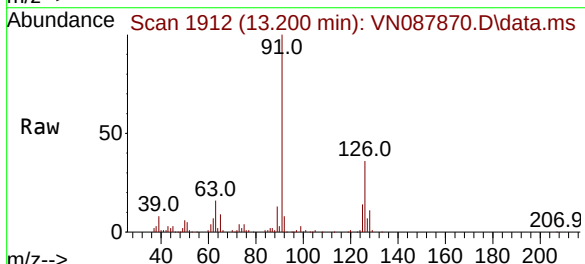
Manual Integrations
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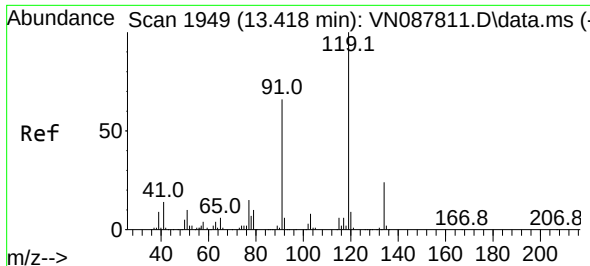
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#78
4-Chlorotoluene
Concen: 20.310 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

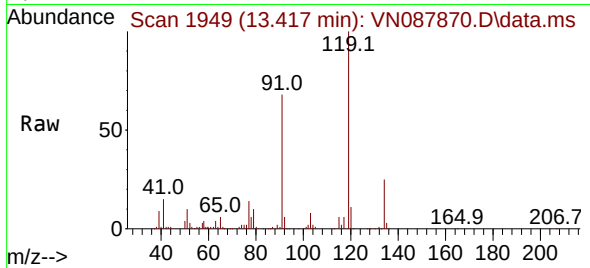
Tgt Ion: 91 Resp: 248882
Ion Ratio Lower Upper
91 100
126 34.8 0.0 67.0





#79
tert-butylbenzene
Concen: 21.807 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

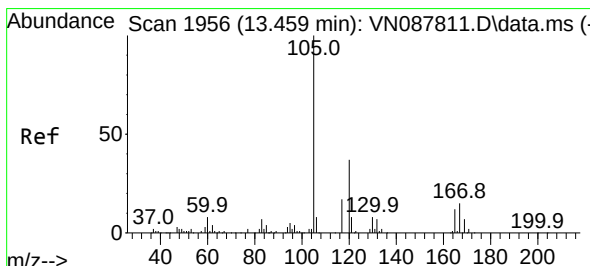
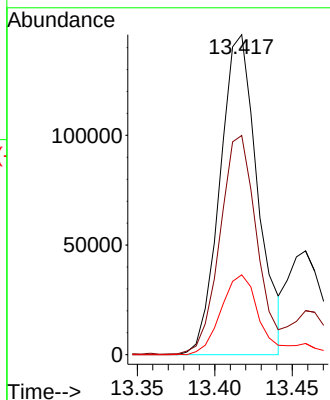
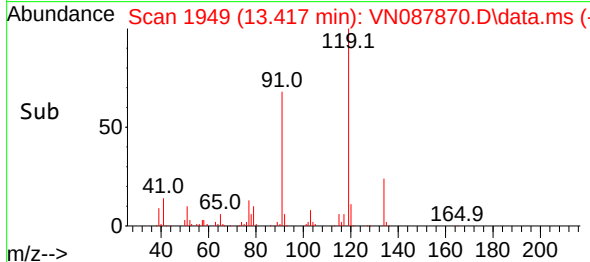
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



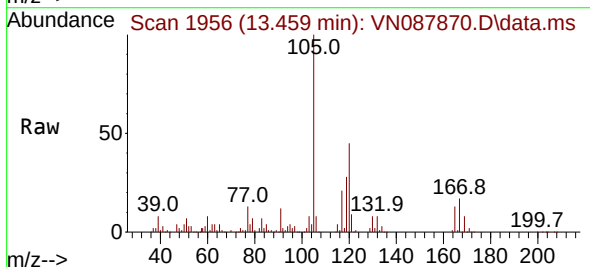
Tgt Ion:119 Resp: 24685
Ion Ratio Lower Upper
119 100
91 66.6 0.0 142.6
134 24.8 0.0 47.2

Manual Integrations
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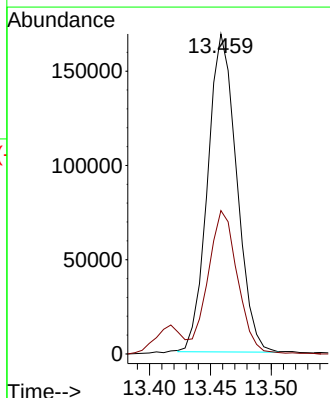
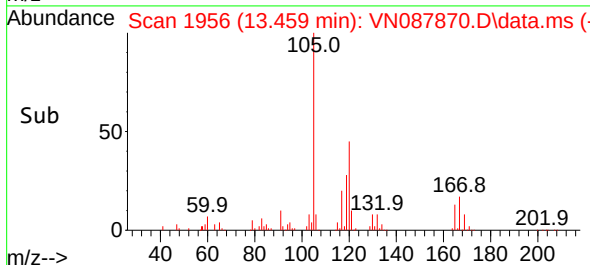
Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

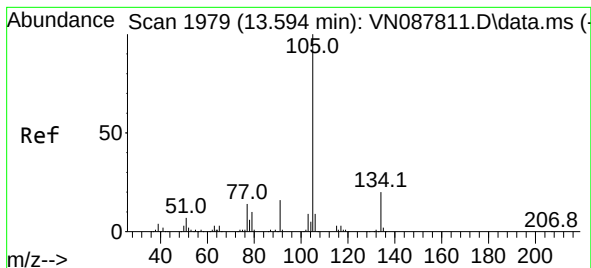


#80
1,2,4-Trimethylbenzene
Concen: 20.211 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55



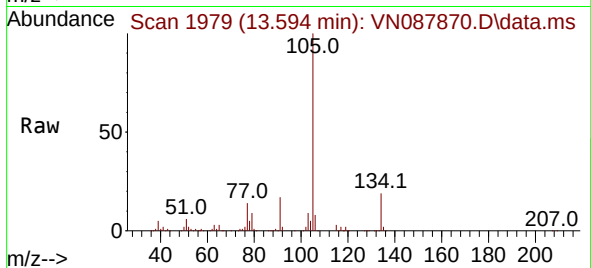
Tgt Ion:105 Resp: 280072
Ion Ratio Lower Upper
105 100
120 45.8 0.0 86.6





#81
 sec-Butylbenzene
 Concen: 21.444 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

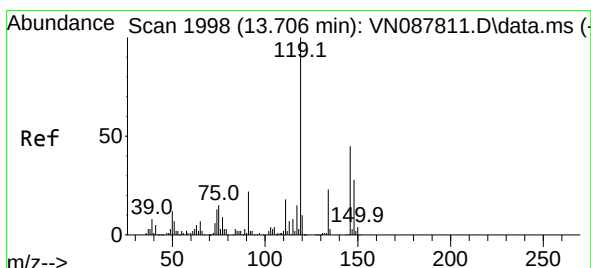
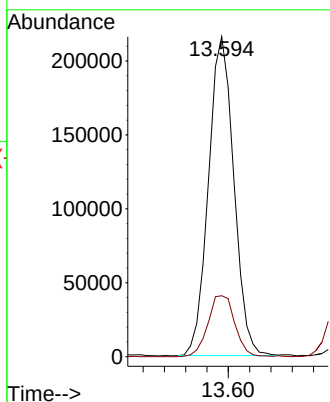
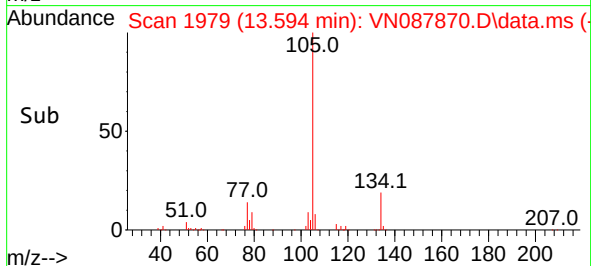
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01



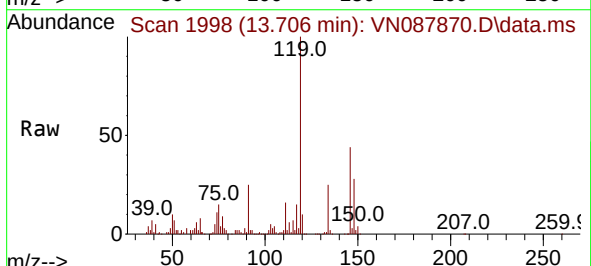
Tgt Ion:105 Resp: 357039
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 37.0

Manual Integrations
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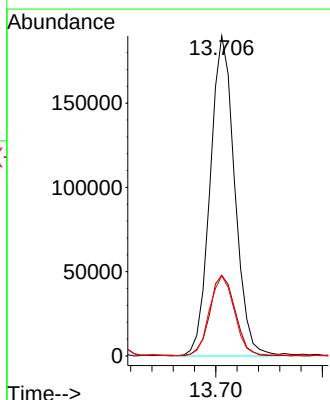
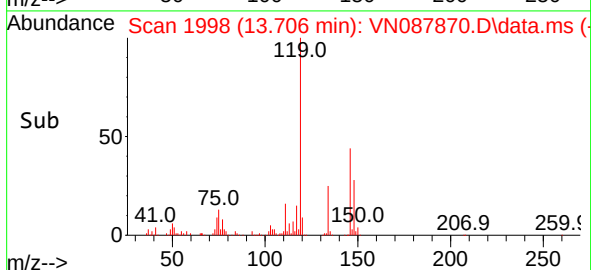
Reviewed By :John Carlone 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

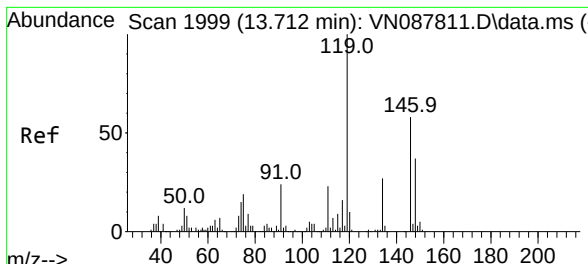


#82
 p-Isopropyltoluene
 Concen: 22.138 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55



Tgt Ion:119 Resp: 303705
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 49.4
 91 25.1 0.0 52.2





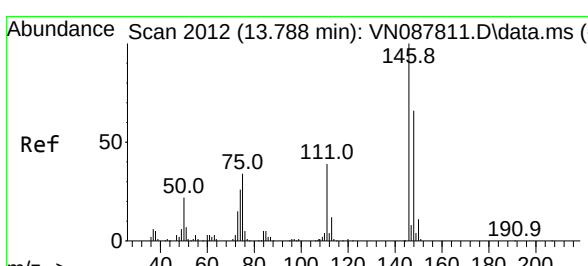
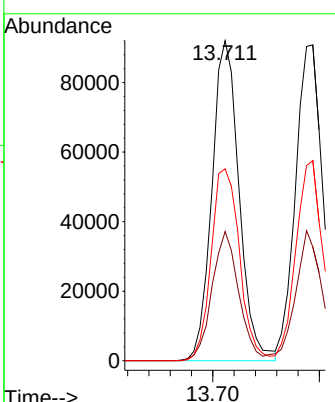
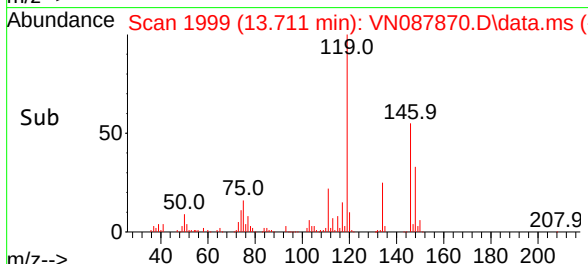
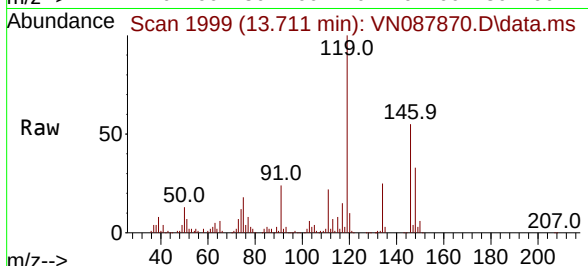
#83
 1,3-Dichlorobenzene
 Concen: 21.562 ug/l
 RT: 13.711 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

Instrument : MSVOA_N
 ClientSampleId : VN0917WBS01

Tgt Ion:	146	Resp:	162789
Ion Ratio	Lower	Upper	
146	100		
111	39.7	21.1	63.4
148	62.6	31.0	93.0

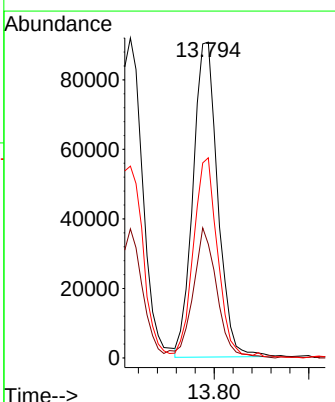
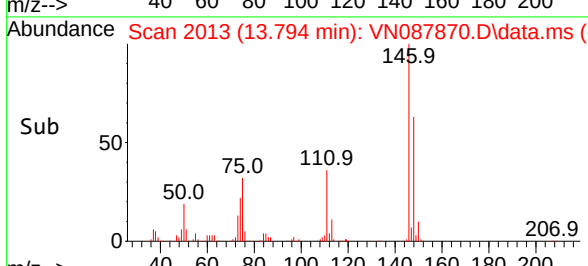
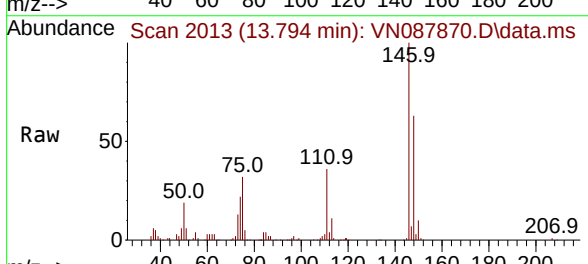
Manual Integrations
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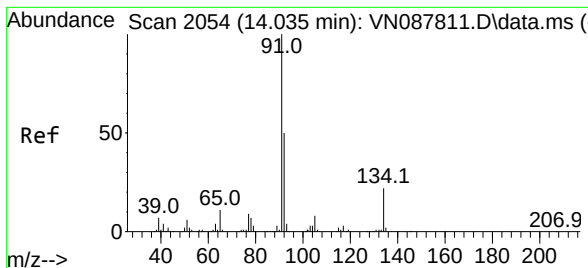
Reviewed By :John Carlone 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025



#84
 1,4-Dichlorobenzene
 Concen: 21.731 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

Tgt Ion:	146	Resp:	164451
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.2	60.5
148	62.4	31.5	94.5





#85

n-Butylbenzene

Concen: 22.042 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

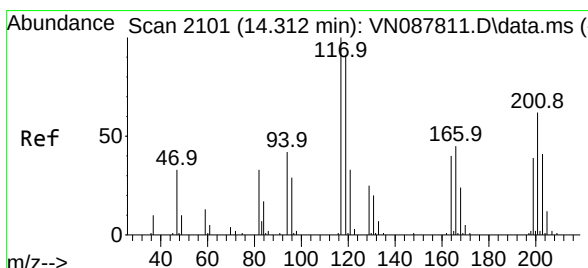
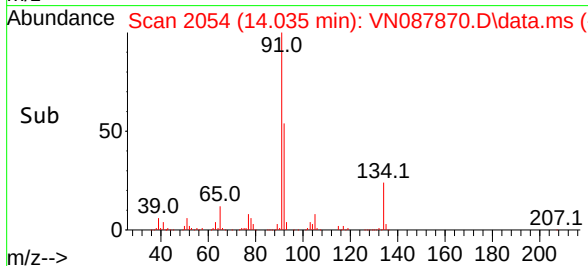
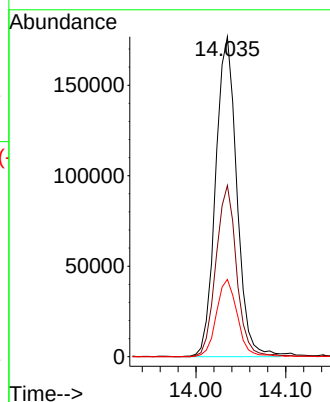
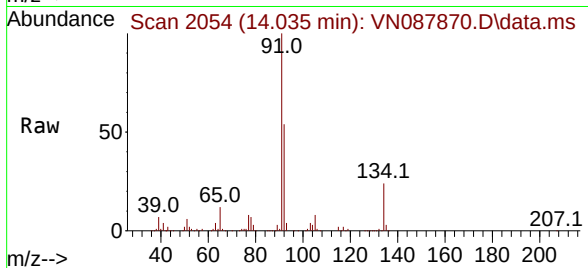
Tgt Ion:	91	Resp:	29066
Ion Ratio	Lower	Upper	
91	100		
92	51.7	0.0	104.0
134	23.6	0.0	46.0

Manual Integrations

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Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#86

Hexachloroethane

Concen: 20.885 ug/l

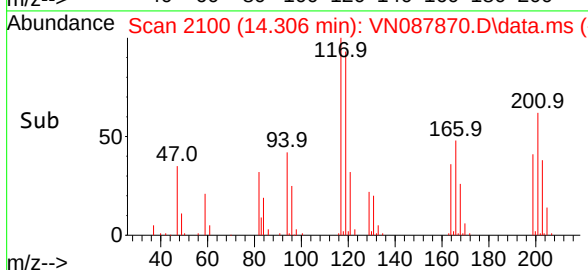
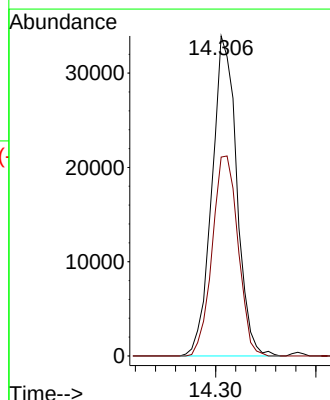
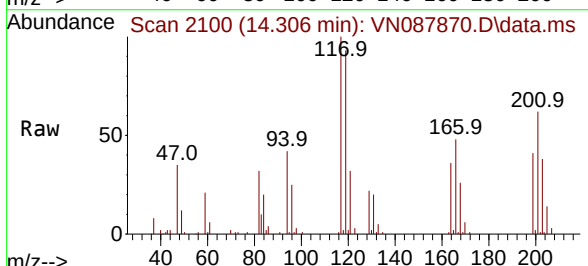
RT: 14.306 min Scan# 2100

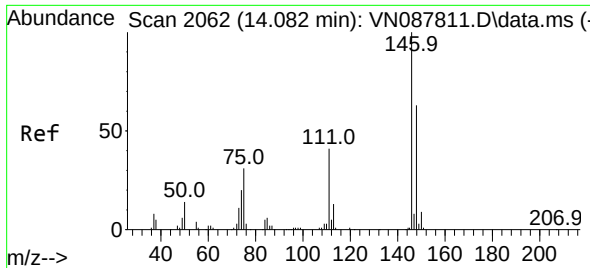
Delta R.T. -0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

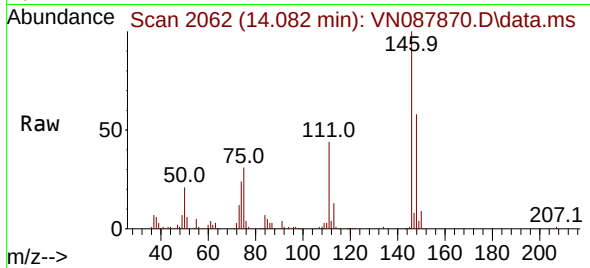
Tgt Ion:	117	Resp:	58197
Ion Ratio	Lower	Upper	
117	100		
201	65.1	29.9	89.7





#87
 1,2-Dichlorobenzene
 Concen: 21.640 ug/l
 RT: 14.082 min Scan# 2062
 Delta R.T. -0.000 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55

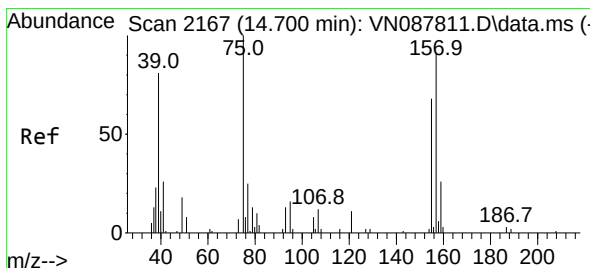
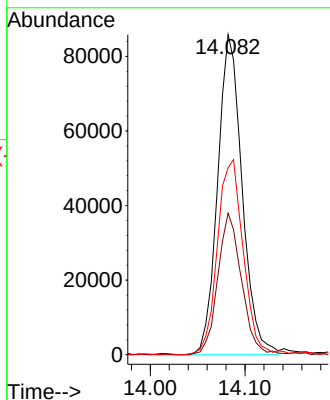
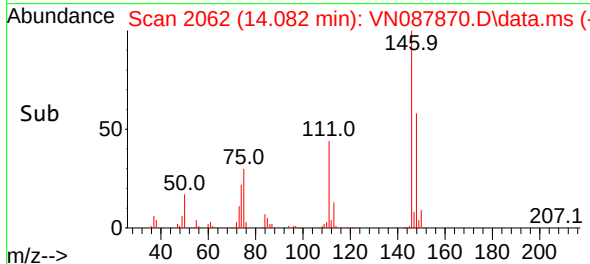
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01



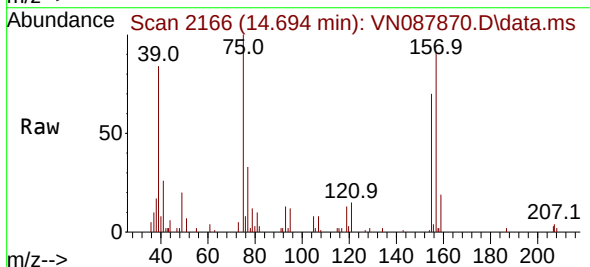
Tgt Ion:146 Resp: 15409
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.5 64.5
 148 63.9 33.4 100.1

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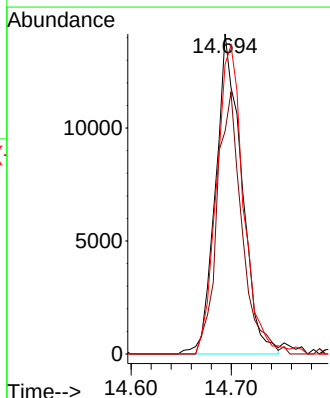
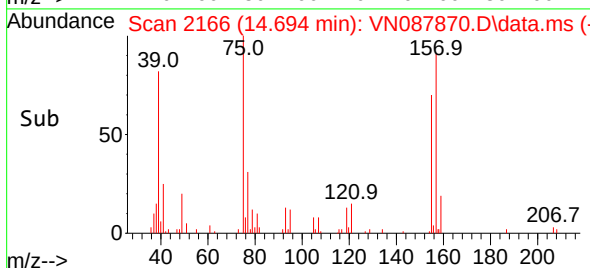
Reviewed By :John Carlone 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

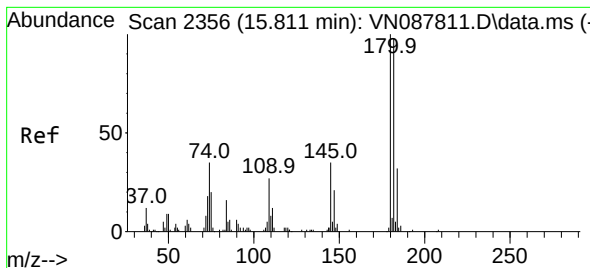


#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.996 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. -0.000 min
 Lab File: VN087870.D
 Acq: 17 Sep 2025 10:55



Tgt Ion: 75 Resp: 25535
 Ion Ratio Lower Upper
 75 100
 155 78.3 53.0 79.4
 157 99.9 72.2 108.4





#89

1,2,4-Trichlorobenzene

Concen: 21.968 ug/l

RT: 15.811 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tgt Ion:180 Resp: 8896

Ion Ratio Lower Upper

180 100

182 95.4 74.6 111.8

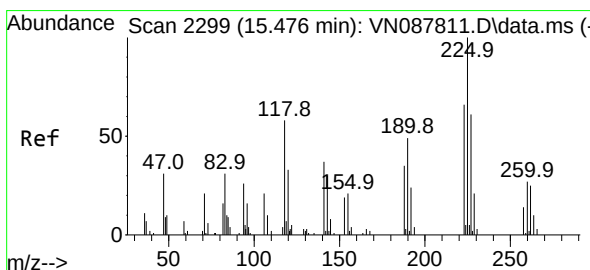
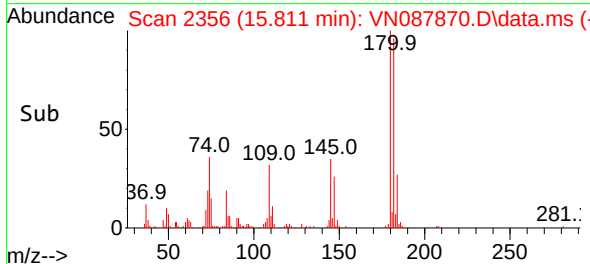
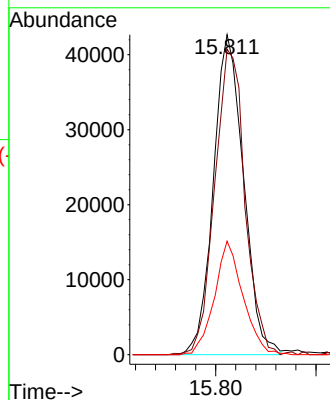
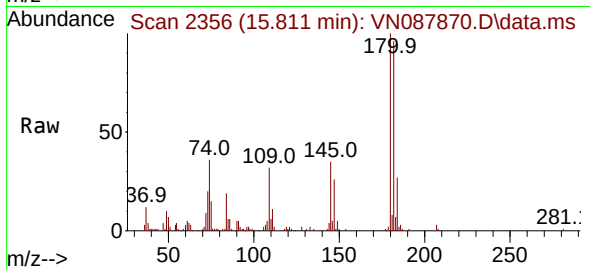
145 33.6 27.4 41.0

Manual Integrations

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Reviewed By :John Carlone 09/18/2025

Supervised By :Mahesh Dadoda 09/18/2025



#90

Hexachlorobutadiene

Concen: 27.042 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.006 min

Lab File: VN087870.D

Acq: 17 Sep 2025 10:55

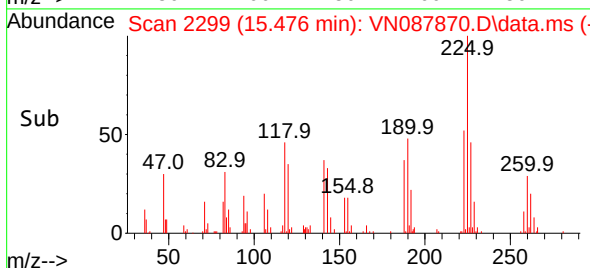
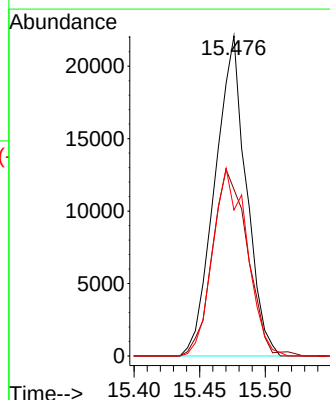
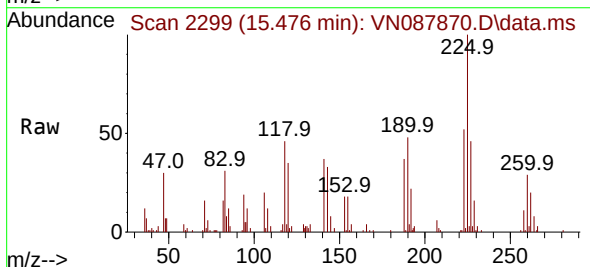
Tgt Ion:225 Resp: 36715

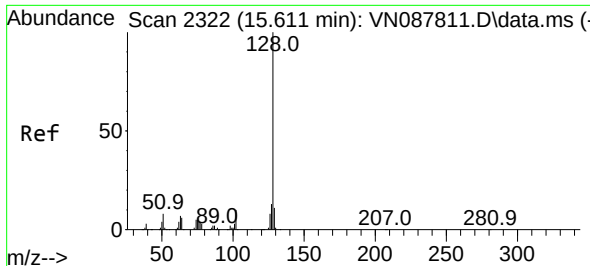
Ion Ratio Lower Upper

225 100

223 64.8 0.0 118.2

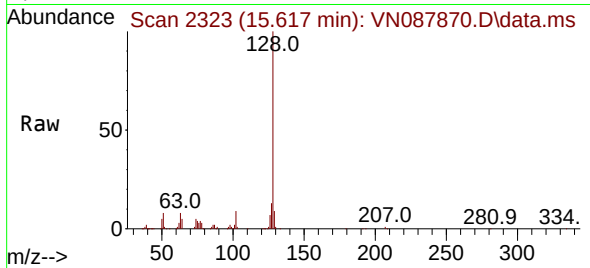
227 63.8 0.0 139.0





#91
Naphthalene
Concen: 20.336 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

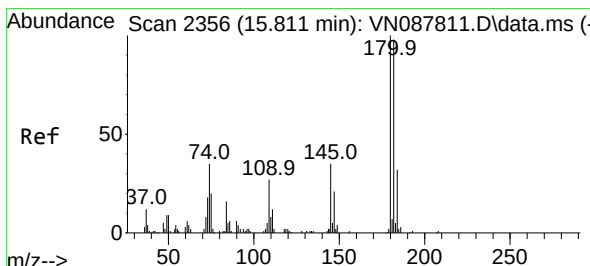
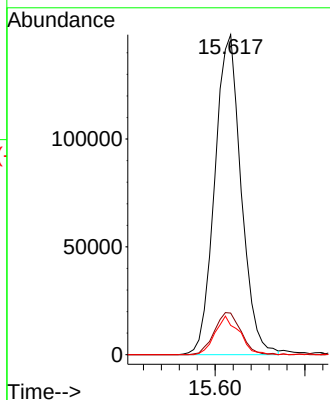
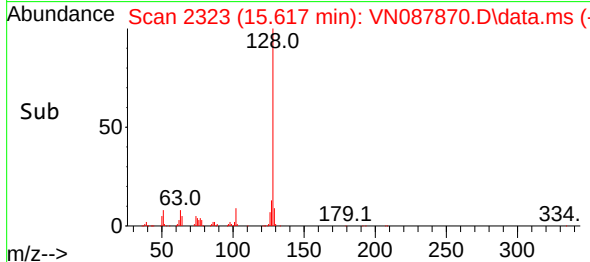
Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01



Tgt Ion:128 Resp: 303214
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.1 8.3 12.5

Manual Integrations
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Reviewed By :John Carlone 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#92
1,2,3-Trichlorobenzene
Concen: 21.968 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN087870.D
Acq: 17 Sep 2025 10:55

Tgt Ion:180 Resp: 88968
Ion Ratio Lower Upper
180 100
182 95.4 0.0 186.4
145 33.6 0.0 68.4

