

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092225\
 Data File : VN087912.D
 Acq On : 22 Sep 2025 10:19
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 04:48:33 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	50702	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	240101	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	230490	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	117995	27.244	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 90.800%#			
60) 4-Bromofluorobenzene	12.829	95	113642	30.664	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.200%			
63) Toluene-d8	10.541	98	310927	29.007	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	47144	14.961	ug/l	99
3) Chloromethane	2.383	50	41718	12.611	ug/l	99
4) Vinyl Chloride	2.542	62	46110	12.331	ug/l	98
5) Bromomethane	2.983	94	28928	13.187	ug/l	96
6) Chloroethane	3.147	64	32261	12.623	ug/l #	82
7) Trichlorofluoromethane	3.518	101	80065	14.607	ug/l	95
8) Diethyl Ether	3.965	74	30002	12.962	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	43664	14.707	ug/l	82
10) 1,1-Dichloroethene	4.336	96	43237	14.126	ug/l	88
11) Methyl Iodide	4.577	142	28923	13.349	ug/l	93
12) Methyl Acetate	5.018	43	80667	17.097	ug/l	97
13) Acrolein	4.177	56	57204	68.093	ug/l #	35
14) Acrylonitrile	5.712	53	157906	77.752	ug/l	96
15) Acetone	4.424	58	43236	68.243	ug/l	84
16) Carbon Disulfide	4.706	76	112244	13.356	ug/l #	88
17) Allyl chloride	5.018	41	68150	13.632	ug/l	89
18) Methylene Chloride	5.265	84	57890	16.696	ug/l	85
19) trans-1,2-Dichloroethene	5.777	96	51014	16.342	ug/l	98
20) Diisopropyl ether	6.653	45	172273	14.985	ug/l	97
21) 1,1-Dichloroethane	6.547	63	101957	16.195	ug/l #	92
22) cis-1,2-Dichloroethene	7.471	96	62893	16.598	ug/l	99
23) tert-Butyl Alcohol	5.512	59	52623	73.299	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	170995	15.648	ug/l	96
25) Chloroform	7.947	83	111384	16.902	ug/l	86
26) Cyclohexane	8.235	56	63379	13.219	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	65087	16.680	ug/l	96
30) 2-Butanone	7.471	43	226156	84.135	ug/l	100
31) 2,2-Dichloropropane	7.471	77	89677	19.065	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	94858	19.175	ug/l	96
33) Carbon Tetrachloride	8.347	117	78684	19.076	ug/l	96
34) Benzene	8.582	78	223004	17.683	ug/l	96
35) Methacrylonitrile	7.759	41	44830	15.944	ug/l	96
36) 1,2-Dichloroethane	8.653	62	84398	17.717	ug/l	99
37) Trichloroethene	9.335	130	52688	18.690	ug/l	86
38) Methylcyclohexane	9.582	83	64465	15.004	ug/l	99
39) 1,2-Dichloropropane	9.594	63	57609	17.836	ug/l	99
40) Dibromomethane	9.688	93	47444	19.738	ug/l	92
41) Bromodichloromethane	9.865	83	90875	18.497	ug/l #	99
42) Vinyl Acetate	6.588	43	767525	85.459	ug/l	100

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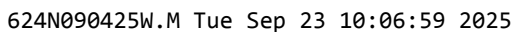
Quant Time: Sep 23 04:48:33 2025
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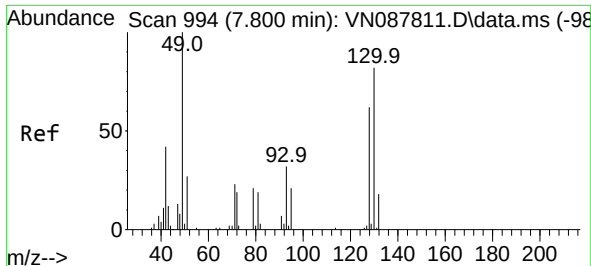
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	93186	16.968	ug/l	99
44) Isopropyl Acetate	8.671	43	140251	16.290	ug/l	98
45) 1,4-Dioxane	9.682	88	18440	339.627	ug/l	88
46) Methyl methacrylate	9.665	41	61765	15.564	ug/l	86
47) n-amyl Acetate	12.676	43	91343m	15.700	ug/l	
48) t-1,3-Dichloropropene	10.818	75	85602	16.776	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	89878	17.197	ug/l	90
50) 1,1,2-Trichloroethane	10.994	97	58936	18.983	ug/l	94
51) Ethyl methacrylate	10.853	69	73960	15.307	ug/l	95
52) 1,3-Dichloropropane	11.141	76	96375	17.877	ug/l	99
53) Dibromochloromethane	11.335	129	71783	20.621	ug/l	90
54) 1,2-Dibromoethane	11.447	107	60899	18.851	ug/l	95
55) 2-Chloroethyl vinyl ether	10.141	63	94030	33.966	ug/l	96
56) Bromoform	12.559	173	47794	21.024	ug/l	100
58) 4-Methyl-2-Pentanone	10.423	43	458645	84.156	ug/l	99
59) 2-Hexanone	11.176	43	293347	82.373	ug/l	100
61) Tetrachloroethene	11.082	164	47006	20.483	ug/l	95
62) Toluene	10.606	91	243154	17.441	ug/l	100
64) Chlorobenzene	11.870	112	163117	19.062	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.935	131	60739	20.161	ug/l	96
66) Ethyl Benzene	11.941	91	255117	16.961	ug/l	90
67) m/p-Xylenes	12.047	106	199969	35.816	ug/l	94
68) o-Xylene	12.376	106	94200	17.401	ug/l	99
69) Styrene	12.388	104	161489	17.163	ug/l	99
70) Isopropylbenzene	12.676	105	234417	17.078	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	93999	19.049	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	90273m	18.631	ug/l	
73) Bromobenzene	12.959	156	66464	19.791	ug/l	88
74) n-propylbenzene	13.012	91	310388	17.922	ug/l	99
75) 2-Chlorotoluene	13.100	91	185719	17.817	ug/l	94
76) 1,3,5-Trimethylbenzene	13.147	105	213599	18.427	ug/l	96
77) t-1,4-Dichloro-2-butene	12.717	75	28494	17.424	ug/l	93
78) 4-Chlorotoluene	13.200	91	194333	18.493	ug/l	100
79) tert-butylbenzene	13.412	119	179688	18.510	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	212078	17.846	ug/l	95
81) sec-Butylbenzene	13.594	105	263546	18.458	ug/l	97
82) p-Isopropyltoluene	13.706	119	220480	18.741	ug/l	98
83) 1,3-Dichlorobenzene	13.711	146	131101	20.249	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	130282	20.075	ug/l	98
85) n-Butylbenzene	14.035	91	201885	17.853	ug/l	99
86) Hexachloroethane	14.306	117	48159	20.154	ug/l	94
87) 1,2-Dichlorobenzene	14.082	146	122135	20.001	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	20261	18.502	ug/l	91
89) 1,2,4-Trichlorobenzene	15.811	180	70931	20.423	ug/l	99
90) Hexachlorobutadiene	15.470	225	28971	24.883	ug/l	96
91) Naphthalene	15.611	128	220365	17.235	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	70931	20.423	ug/l	99

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

Manual Integrations

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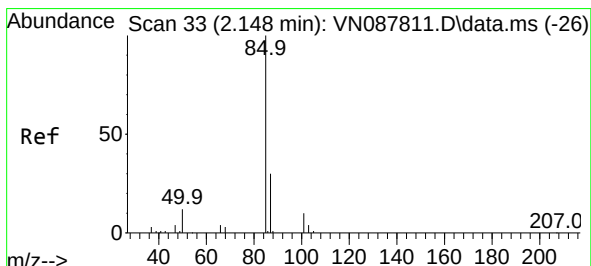
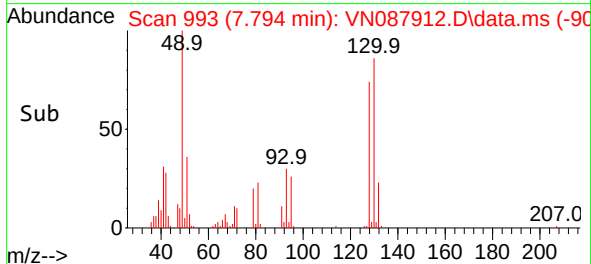
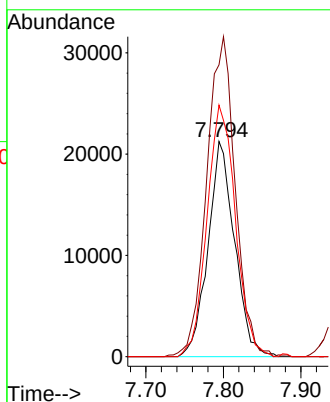
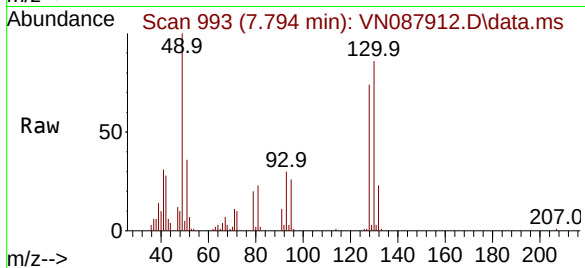
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087912.D
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Tgt Ion:128 Resp: 50702
Ion Ratio Lower Upper
128 100
49 159.2 0.0 464.3
130 125.6 0.0 300.5

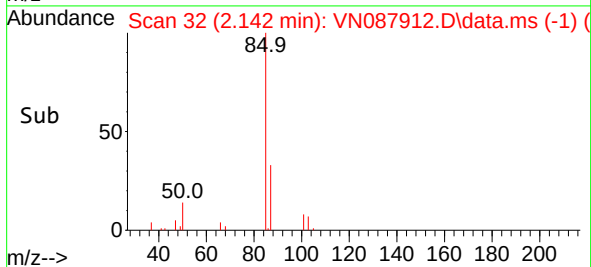
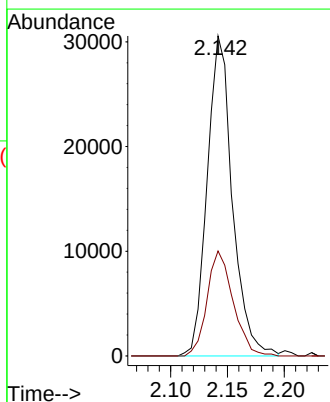
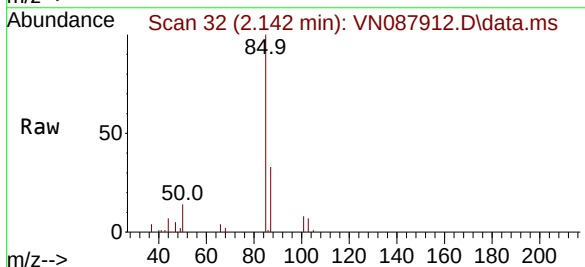
Manual Integrations
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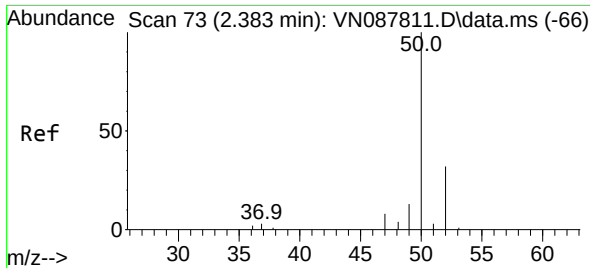
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#2
Dichlorodifluoromethane
Concen: 14.961 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 85 Resp: 47144
Ion Ratio Lower Upper
85 100
87 32.8 16.8 50.4





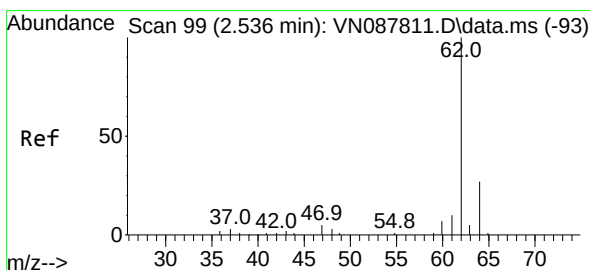
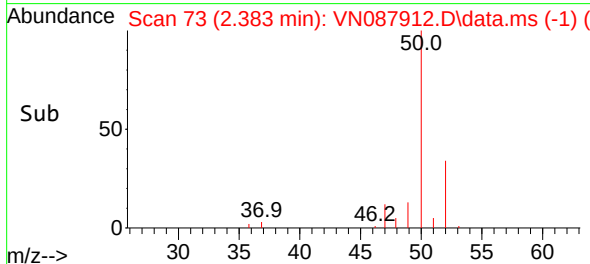
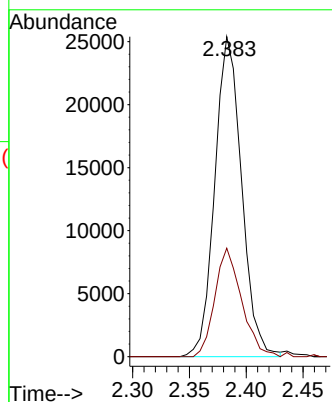
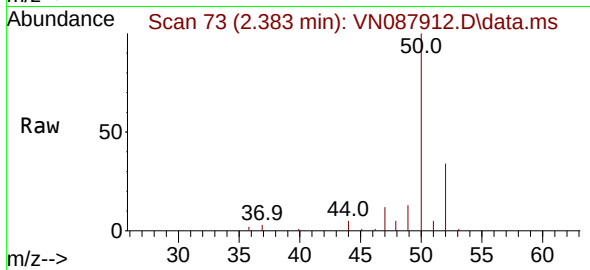
#3
Chloromethane
Concen: 12.611 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 41718
Ion Ratio Lower Upper
50 100
52 33.9 26.6 40.0

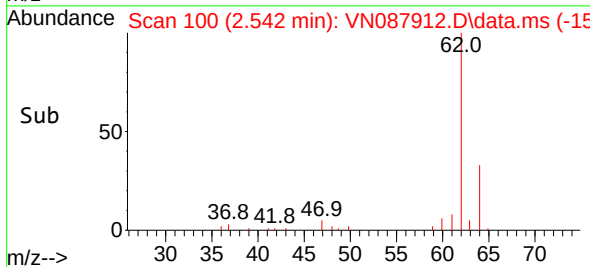
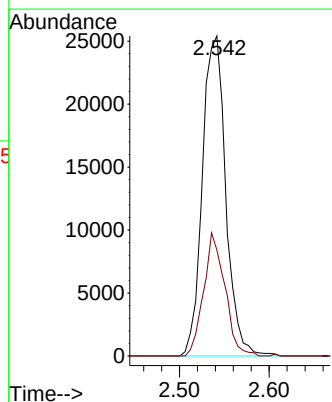
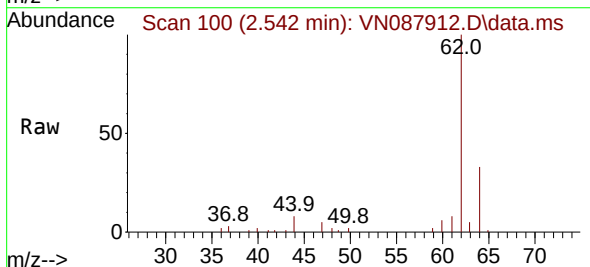
Manual Integrations
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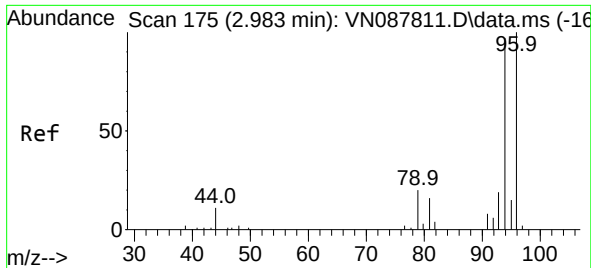
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#4
Vinyl Chloride
Concen: 12.331 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

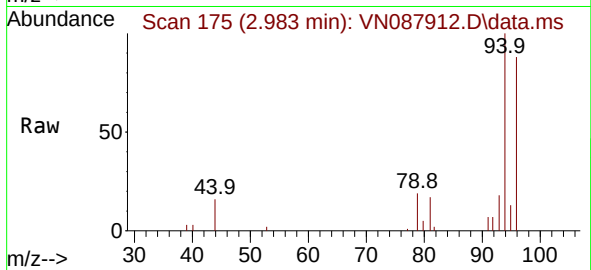
Tgt Ion: 62 Resp: 46110
Ion Ratio Lower Upper
62 100
64 33.1 25.5 38.3





#5
Bromomethane
Concen: 13.187 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

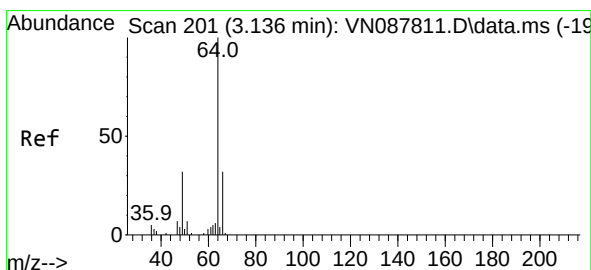
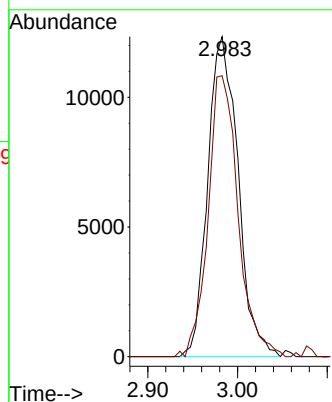
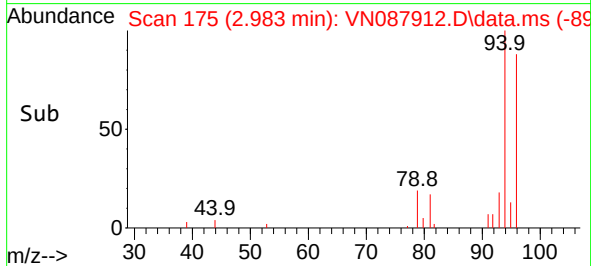
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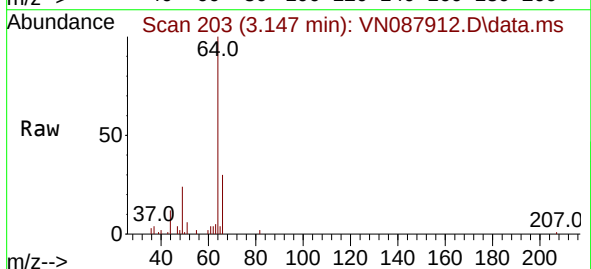
Tgt Ion: 94 Resp: 28928
Ion Ratio Lower Upper
94 100
96 86.3 72.2 108.4

Manual Integrations
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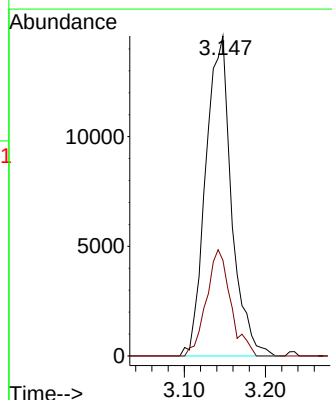
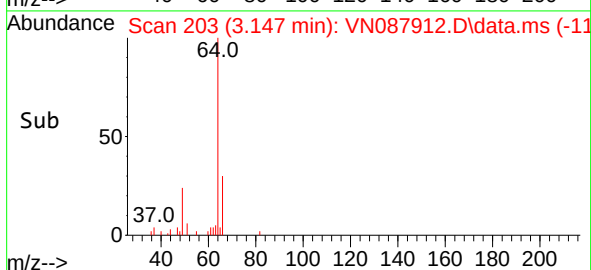
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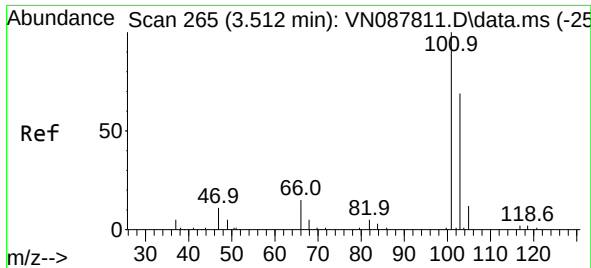


#6
Chloroethane
Concen: 12.623 ug/l
RT: 3.147 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN087912.D
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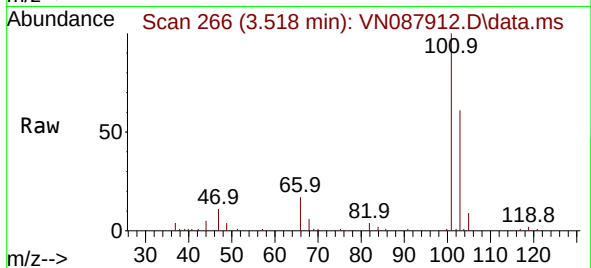
Tgt Ion: 64 Resp: 32261
Ion Ratio Lower Upper
64 100
66 29.9 32.8 49.2#





#7
 Trichlorofluoromethane
 Concen: 14.607 ug/l
 RT: 3.518 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19

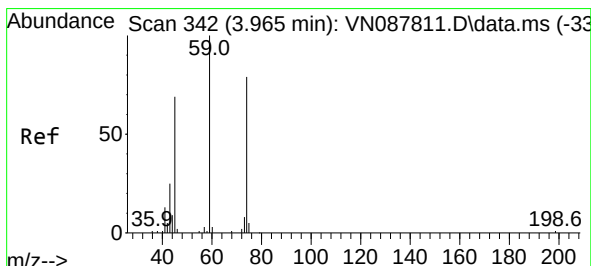
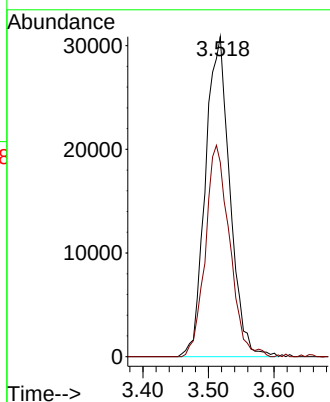
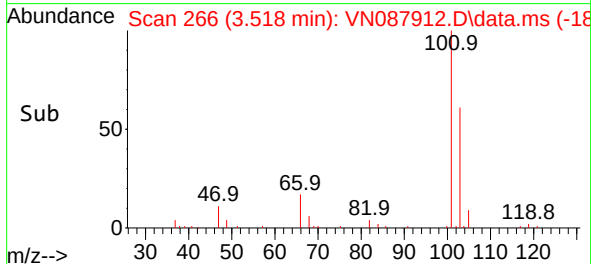
Instrument :
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Tgt Ion:101 Resp: 8006
 Ion Ratio Lower Upper
 101 100
 103 60.7 45.7 68.5

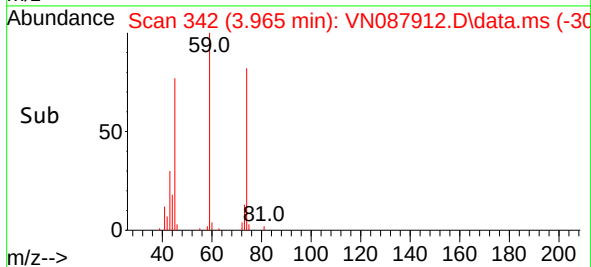
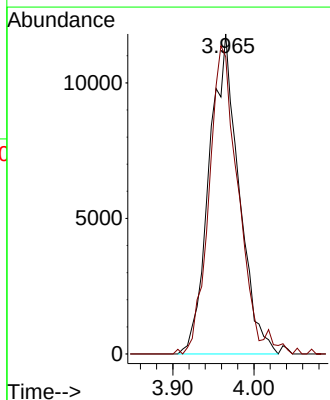
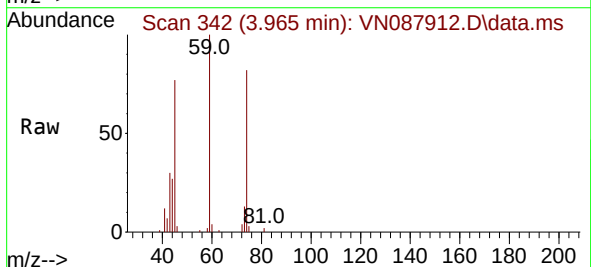
Manual Integrations
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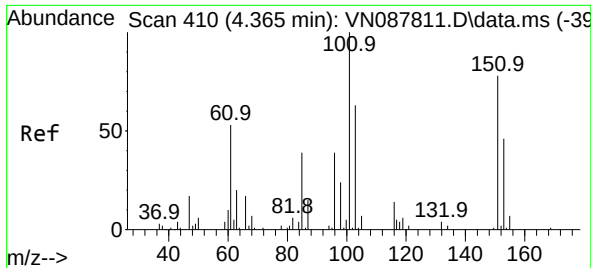
Reviewed By :John Carlone 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#8
 Diethyl Ether
 Concen: 12.962 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19

Tgt Ion: 74 Resp: 30002
 Ion Ratio Lower Upper
 74 100
 45 92.5 20.4 183.8





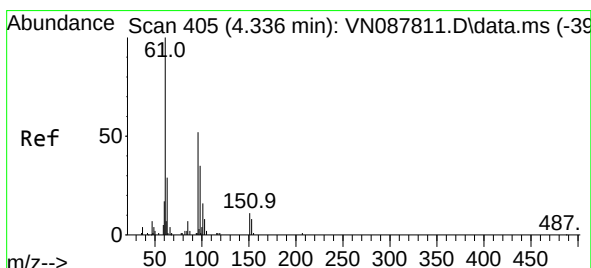
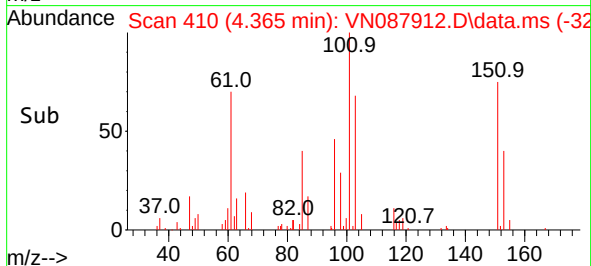
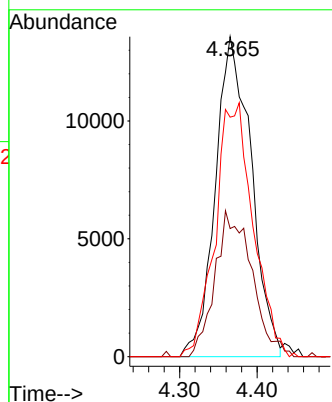
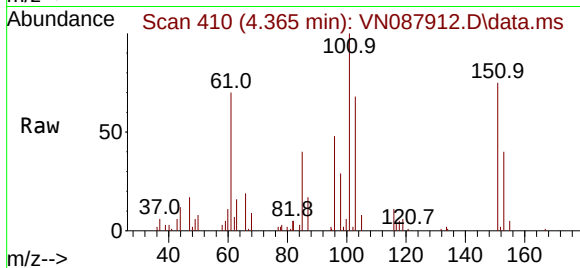
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 1,1,2-Trichlorotrifluoroethane
 Concen: 14.707 ug/l
 RT: 4.365 min Scan# 410
 Delta R.T. -0.006 min
 Lab File: VN087912.D
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Tgt Ion:101 Resp: 43664
 Ion Ratio Lower Upper
 101 100
 85 29.9 0.0 95.6
 151 37.5 0.0 85.8

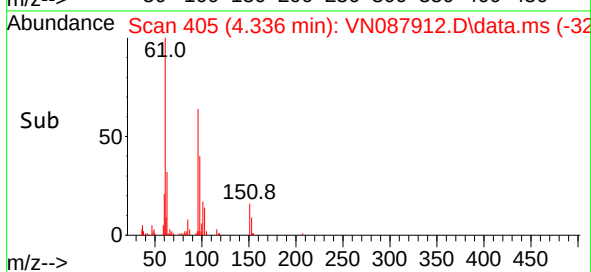
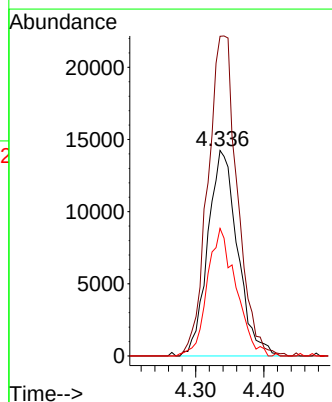
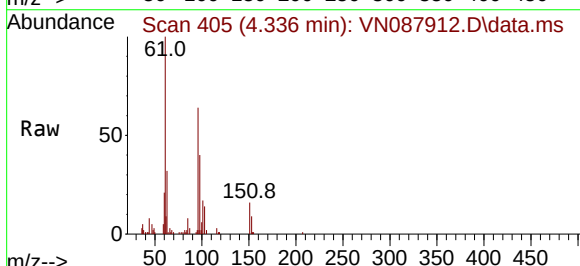
Manual Integrations
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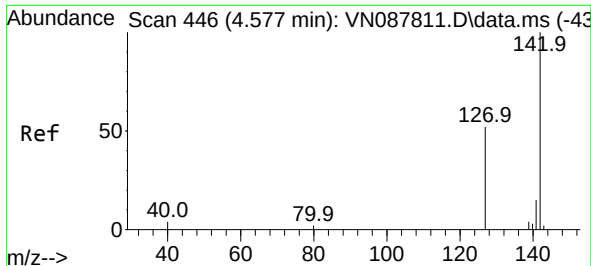
Reviewed By :John Carbone 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#10
 1,1-Dichloroethene
 Concen: 14.126 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19

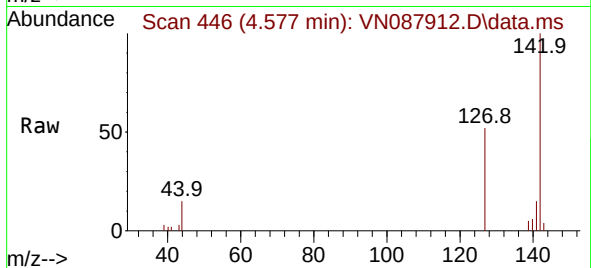
Tgt Ion: 96 Resp: 43237
 Ion Ratio Lower Upper
 96 100
 61 155.5 135.9 203.9
 98 62.0 59.2 88.8





#11
Methyl Iodide
Concen: 13.349 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

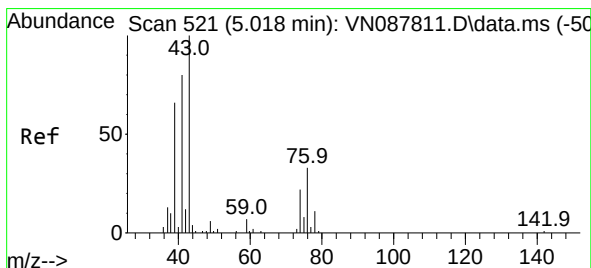
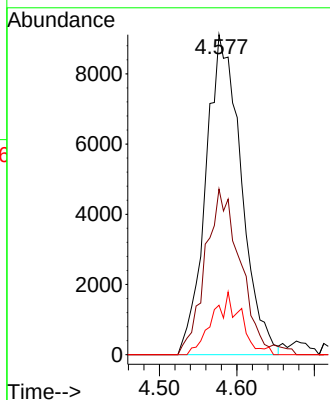
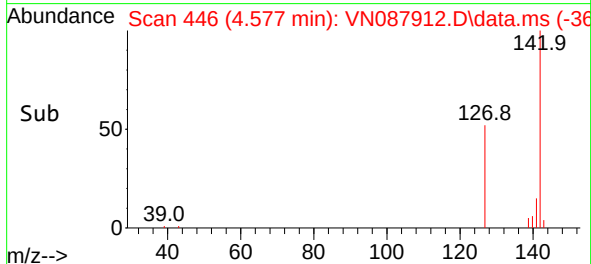
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 2892
Ion Ratio Lower Upper
142 100
127 51.1 27.9 83.7
141 15.7 9.6 28.8

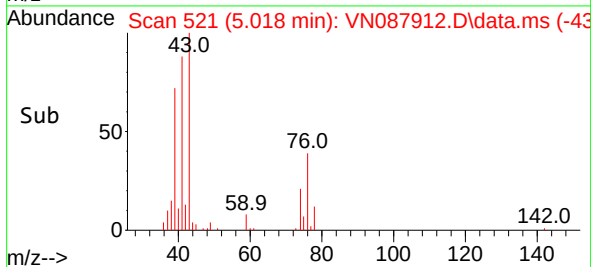
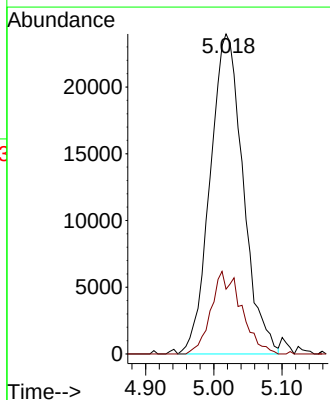
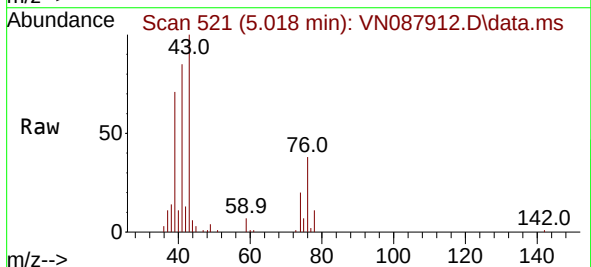
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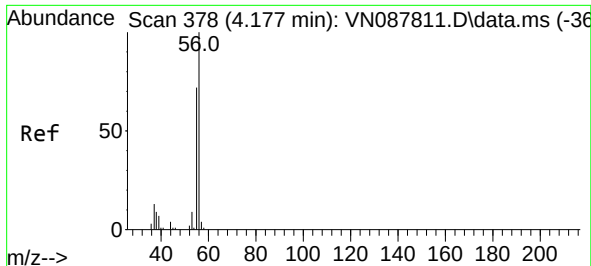
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#12
Methyl Acetate
Concen: 17.097 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 43 Resp: 80667
Ion Ratio Lower Upper
43 100
74 20.4 17.5 26.3





#13

Acrolein

Concen: 68.093 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 57204

Ion Ratio Lower Upper

56 100

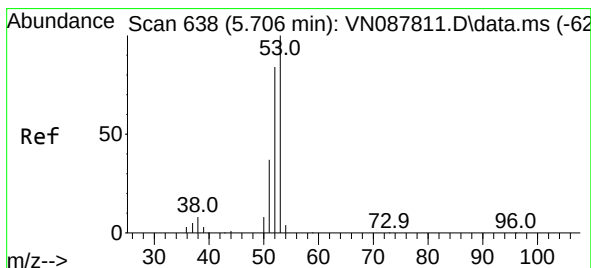
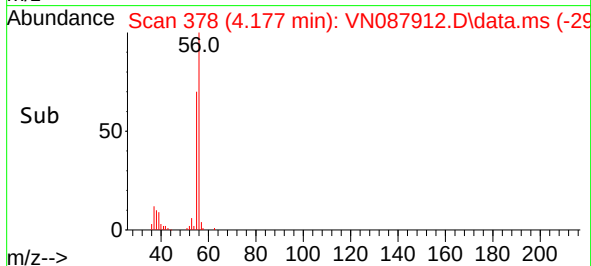
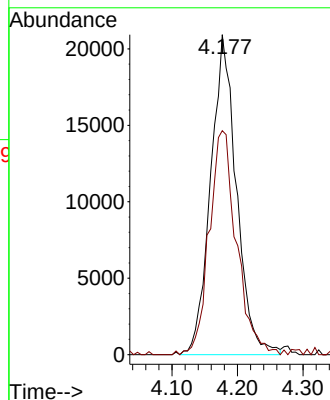
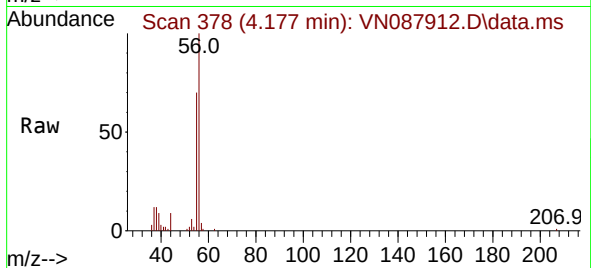
55 73.5 28.6 42.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#14

Acrylonitrile

Concen: 77.752 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

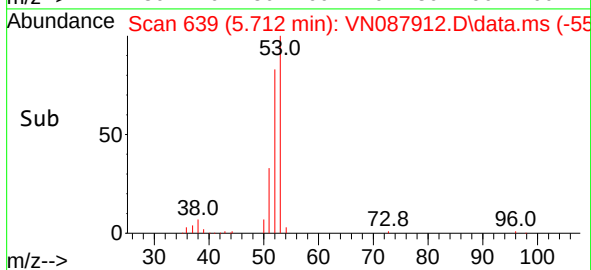
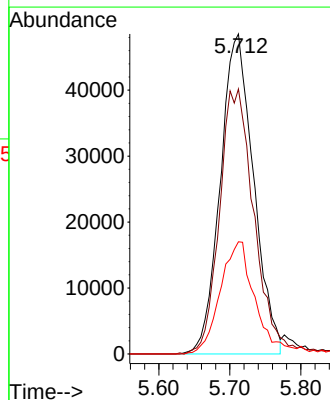
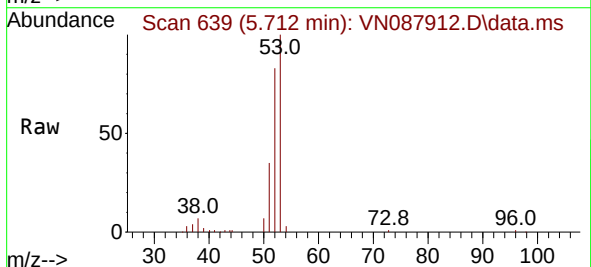
Tgt Ion: 53 Resp: 157906

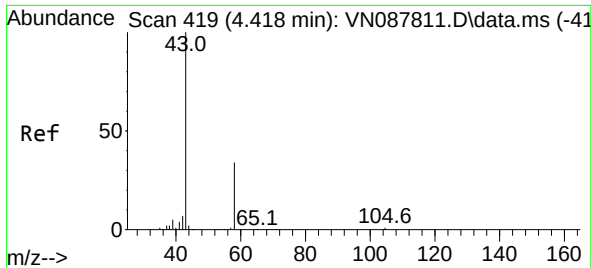
Ion Ratio Lower Upper

53 100

52 86.0 40.9 122.7

51 34.7 18.1 54.1





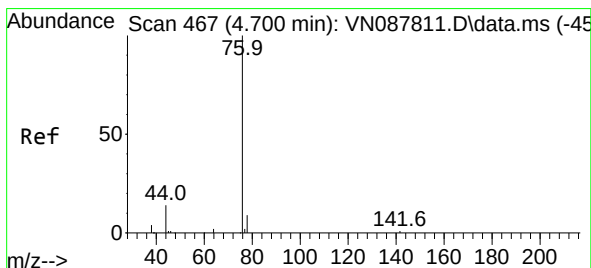
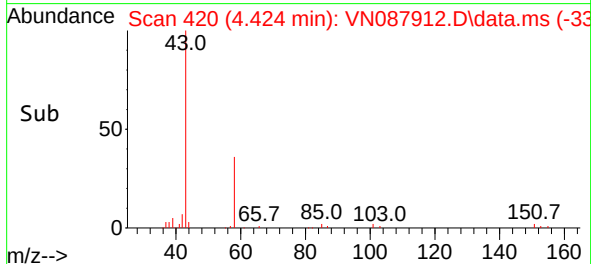
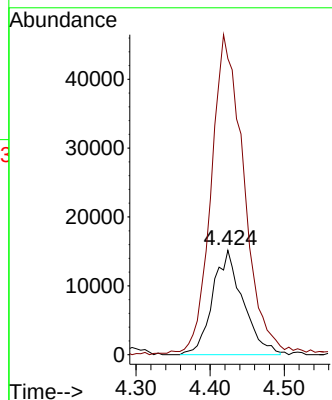
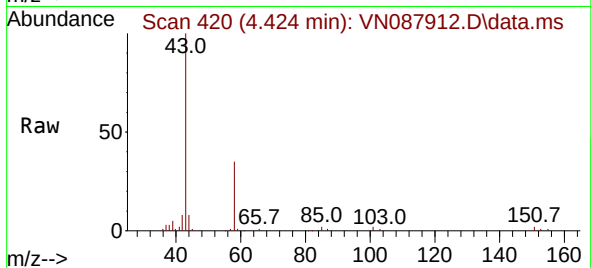
#15
Acetone
Concen: 68.243 ug/l
RT: 4.424 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 43230
Ion Ratio Lower Upper
58 100
43 280.5 250.6 376.0

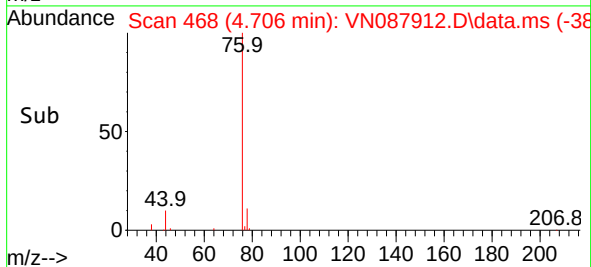
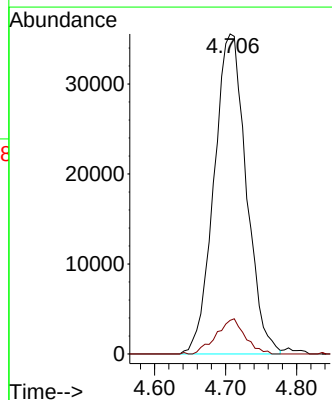
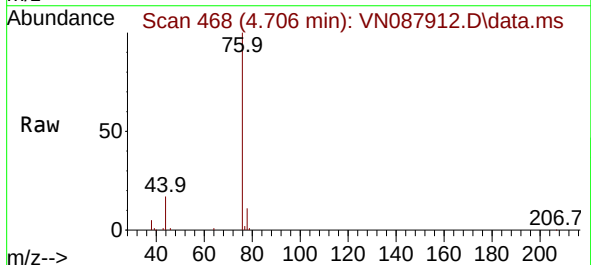
Manual Integrations
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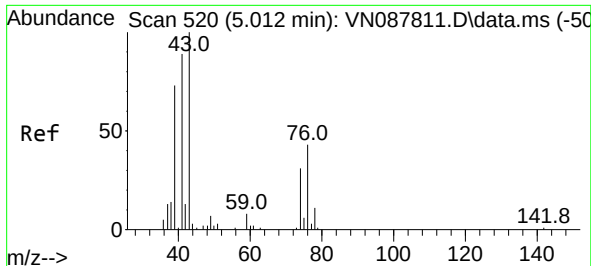
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#16
Carbon Disulfide
Concen: 13.356 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 76 Resp: 112244
Ion Ratio Lower Upper
76 100
78 10.5 5.0 7.6#





#17

Allyl chloride

Concen: 13.632 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

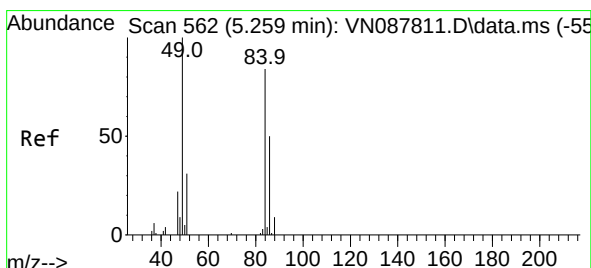
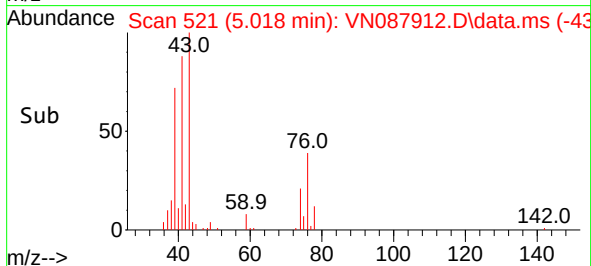
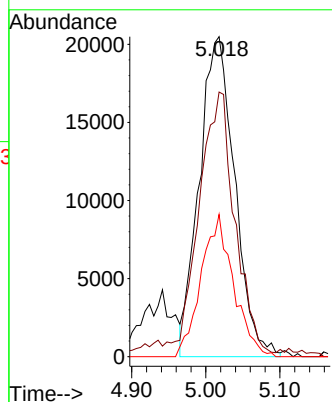
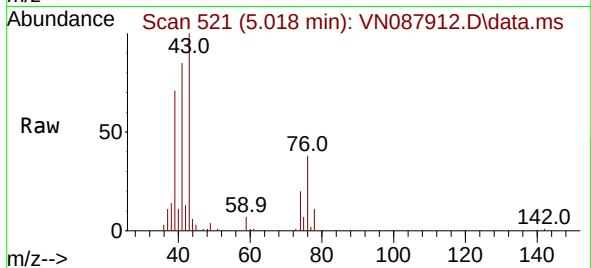
Tgt Ion: 41	Resp: 68150
Ion Ratio	Lower Upper
41	100
39	81.5 36.7 110.1
76	45.0 18.3 54.8

Manual Integrations

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Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#18

Methylene Chloride

Concen: 16.696 ug/l

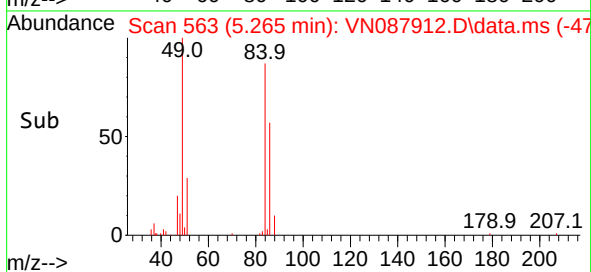
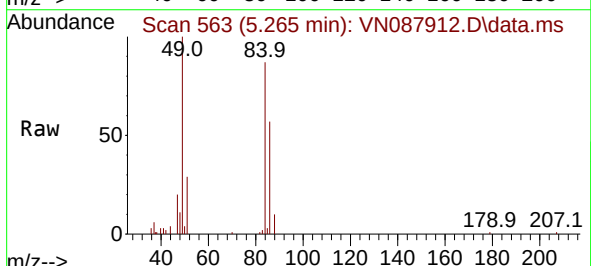
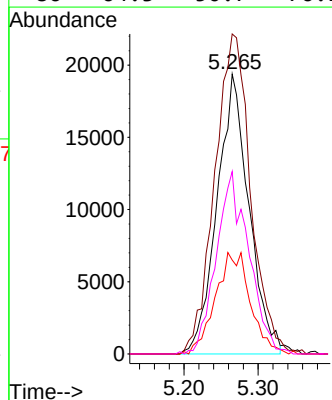
RT: 5.265 min Scan# 563

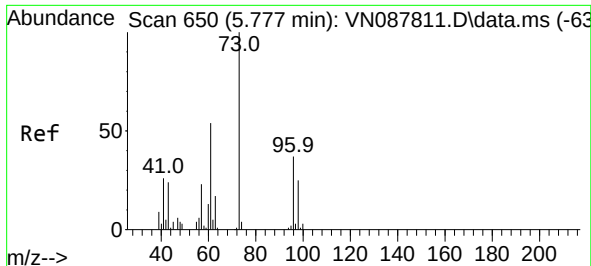
Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

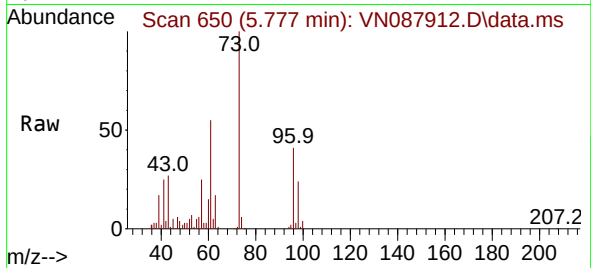
Tgt Ion: 84	Resp: 57890
Ion Ratio	Lower Upper
84	100
49	114.3 114.1 171.1
51	33.6 30.2 45.4
86	64.3 50.7 76.1





#19
trans-1,2-Dichloroethene
Concen: 16.342 ug/l
RT: 5.777 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

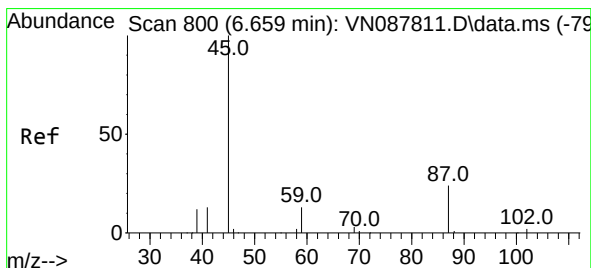
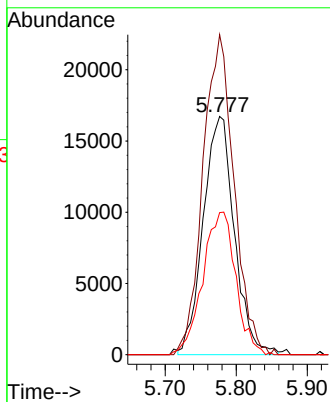
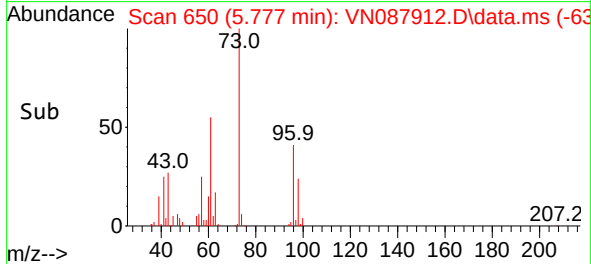
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



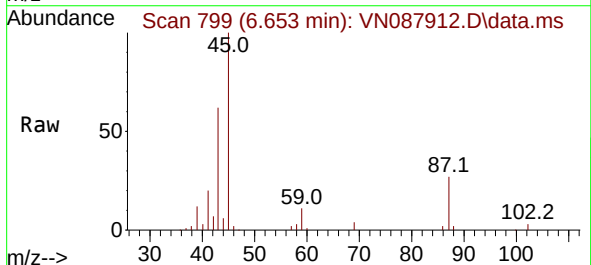
Tgt Ion: 96 Resp: 51014
Ion Ratio Lower Upper
96 100
61 135.9 106.4 159.6
98 60.4 48.9 73.3

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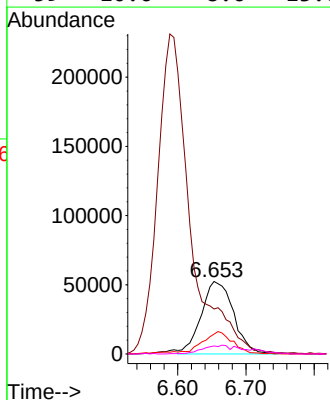
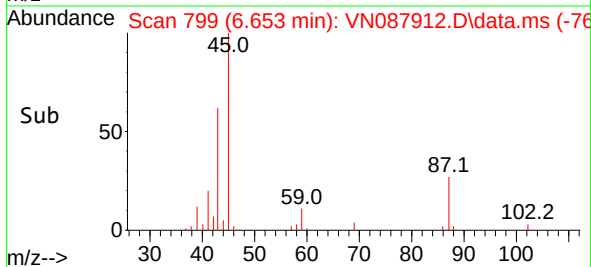
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

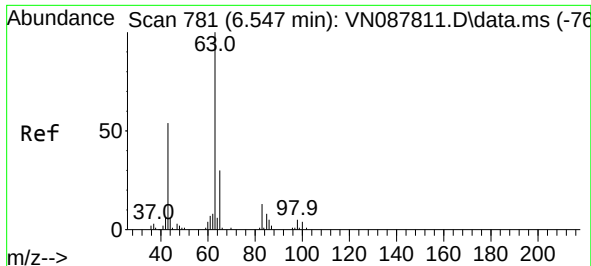


#20
Diisopropyl ether
Concen: 14.985 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19



Tgt Ion: 45 Resp: 172273
Ion Ratio Lower Upper
45 100
43 60.5 49.5 74.3
87 27.0 18.8 28.2
59 10.6 8.6 13.0





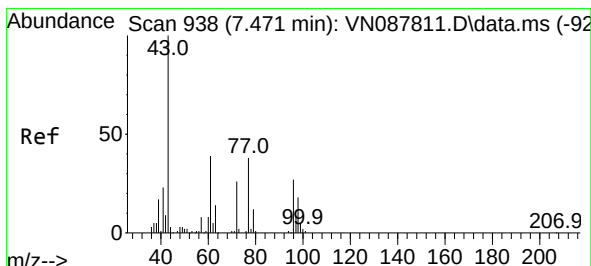
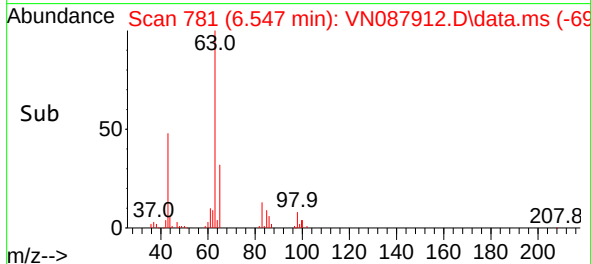
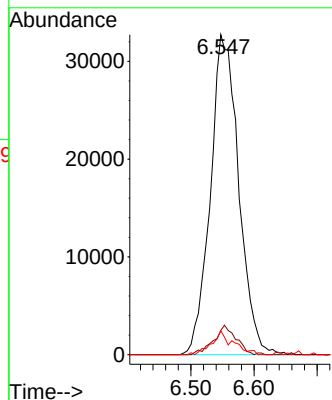
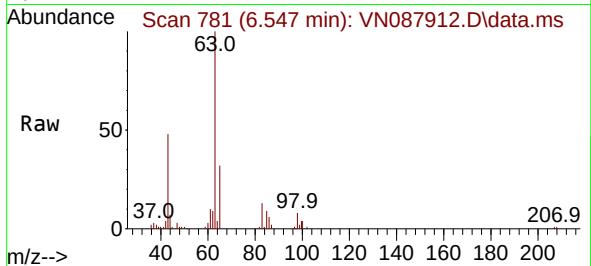
#21
1,1-Dichloroethane
Concen: 16.195 ug/l
RT: 6.547 min Scan# 781
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 10195
Ion Ratio Lower Upper
63 100
98 7.6 2.9 8.8
100 7.4 1.8 5.3

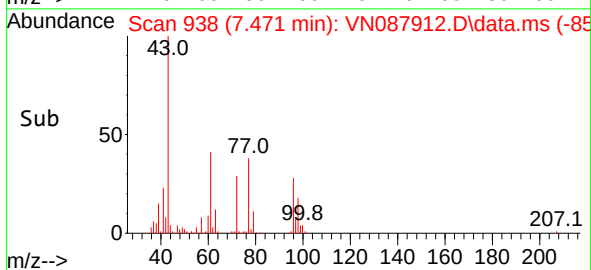
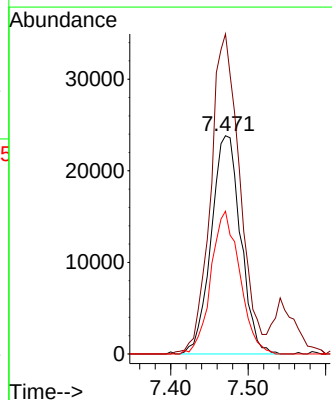
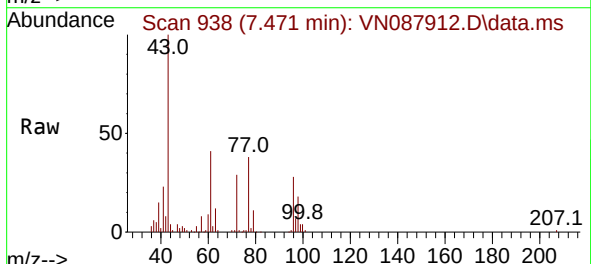
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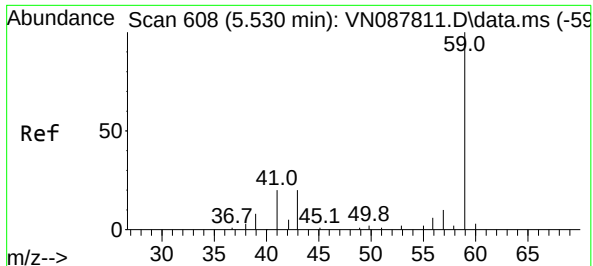
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#22
cis-1,2-Dichloroethene
Concen: 16.598 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 96 Resp: 62893
Ion Ratio Lower Upper
96 100
61 145.9 118.2 177.2
98 64.0 51.6 77.4





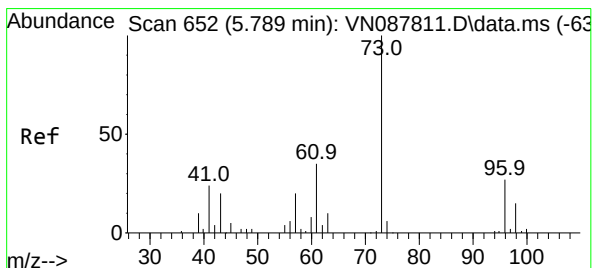
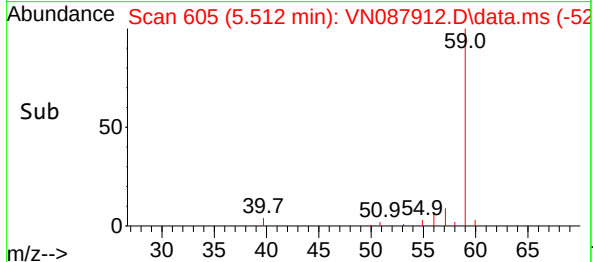
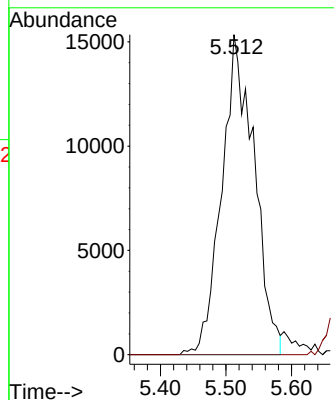
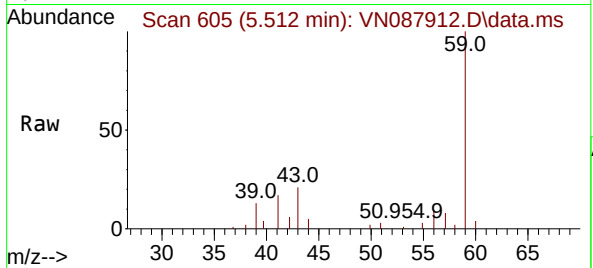
#23
tert-Butyl Alcohol
Concen: 73.299 ug/l
RT: 5.512 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 5262
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

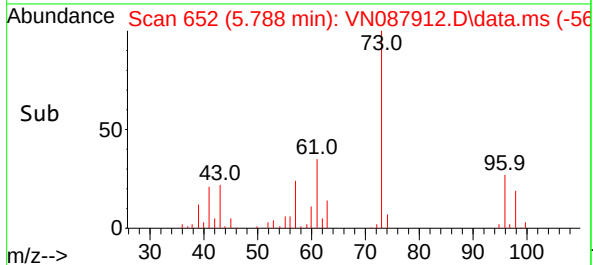
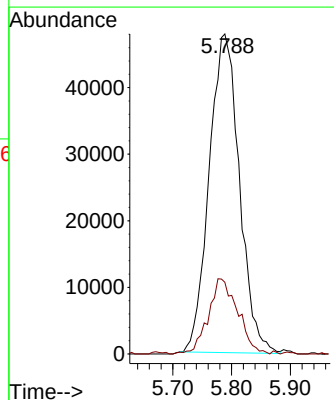
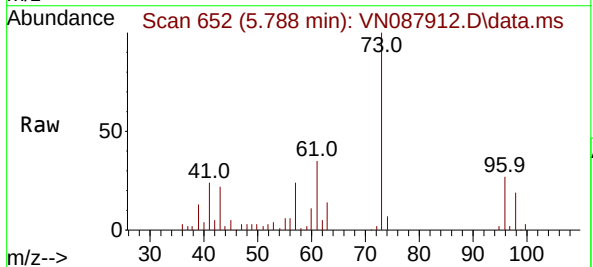
Manual Integrations
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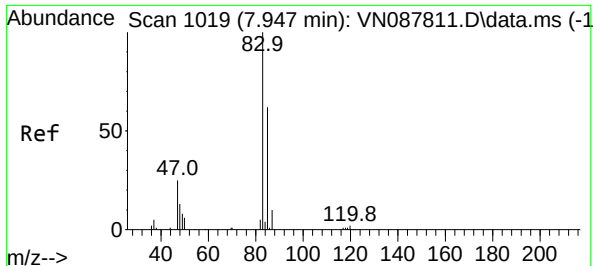
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#24
Methyl tert-Butyl Ether
Concen: 15.648 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 73 Resp: 170995
Ion Ratio Lower Upper
73 100
43 22.8 16.8 25.2





#25

Chloroform

Concen: 16.902 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 111384

Ion Ratio Lower Upper

83 100

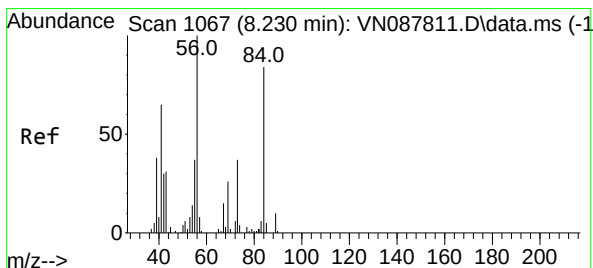
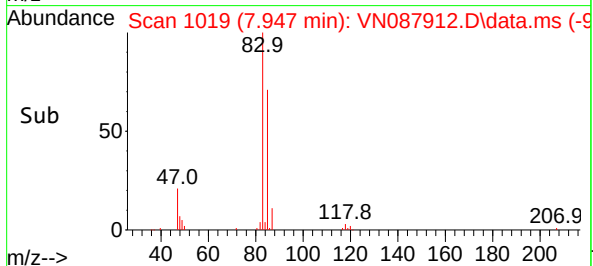
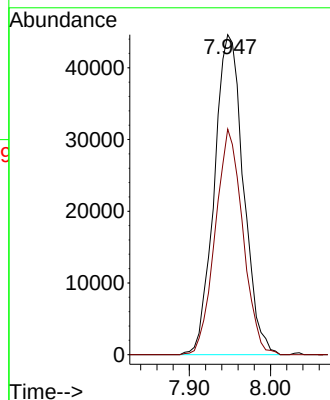
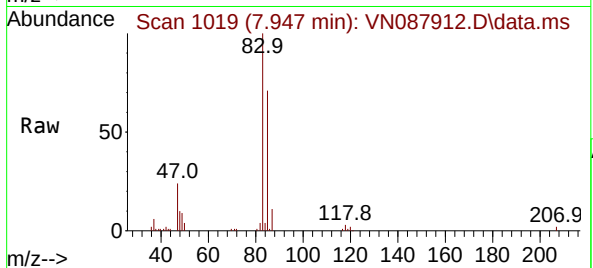
85 70.5 47.7 71.5

Manual Integrations

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Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#26

Cyclohexane

Concen: 13.219 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

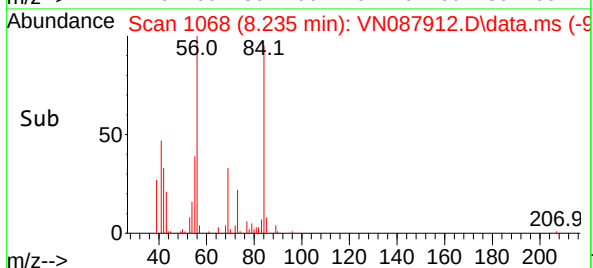
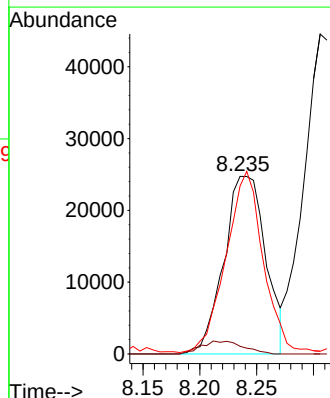
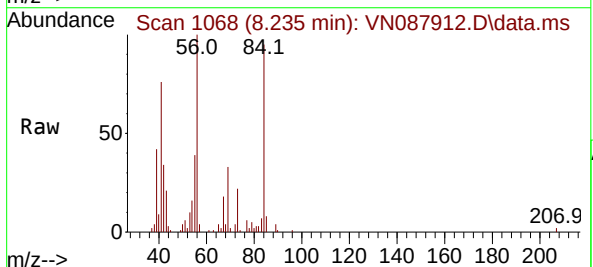
Tgt Ion: 56 Resp: 63379

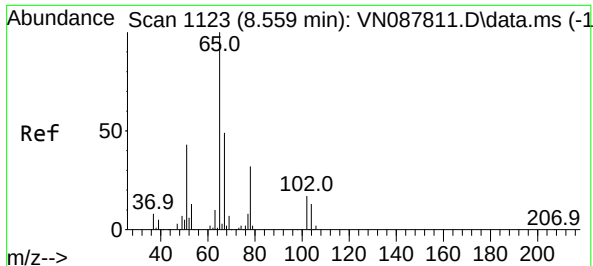
Ion Ratio Lower Upper

56 100

89 3.7 0.0 0.0#

84 92.8 69.4 104.2





#27

1,2-Dichloroethane-d4

Concen: 27.244 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDC020

Tgt Ion: 65 Resp: 11799

Ion Ratio Lower Upper

65 100

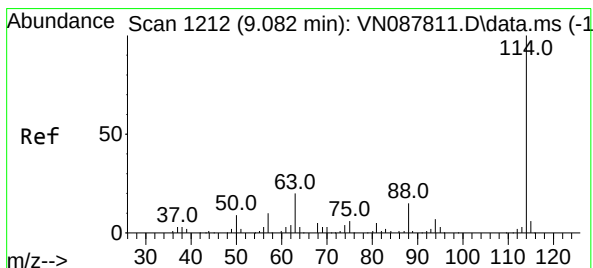
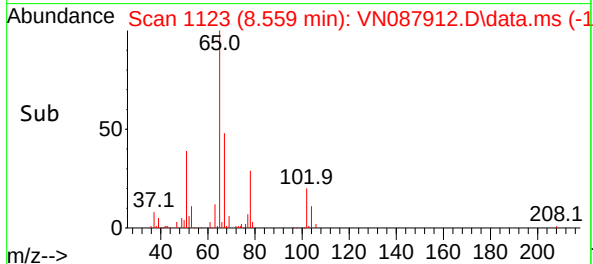
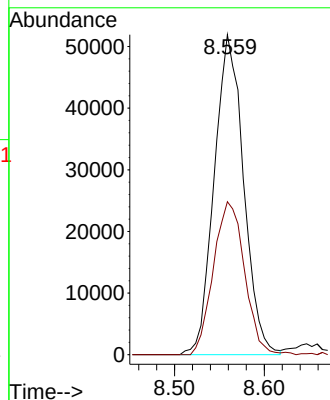
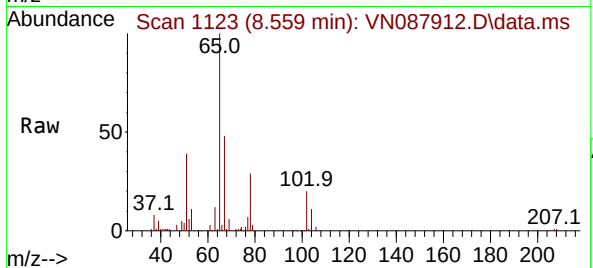
67 50.5 39.6 59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

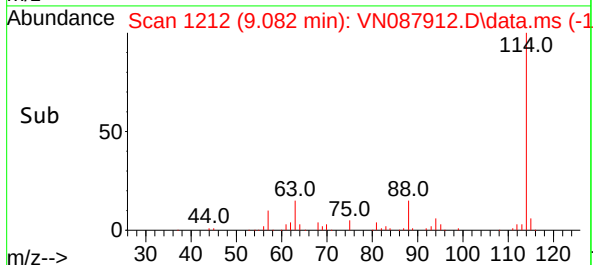
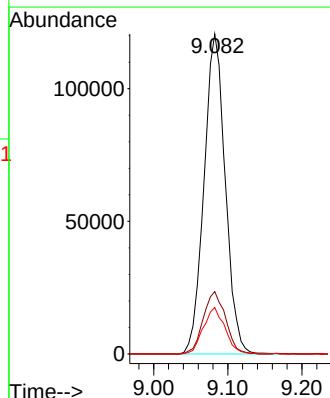
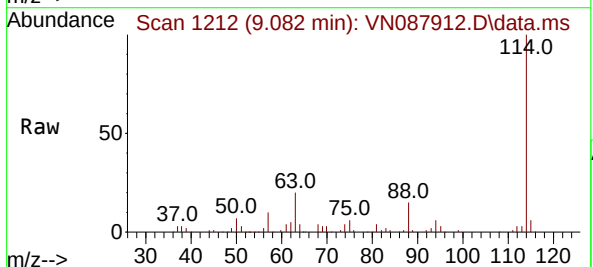
Tgt Ion:114 Resp: 240101

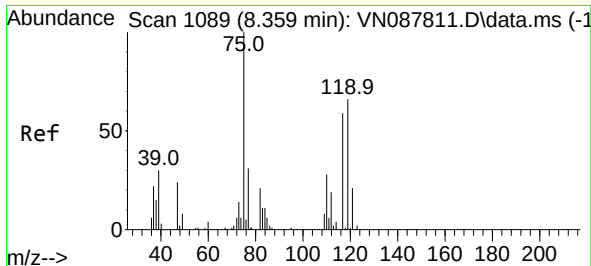
Ion Ratio Lower Upper

114 100

63 20.5 18.3 27.5

88 14.8 12.4 18.6





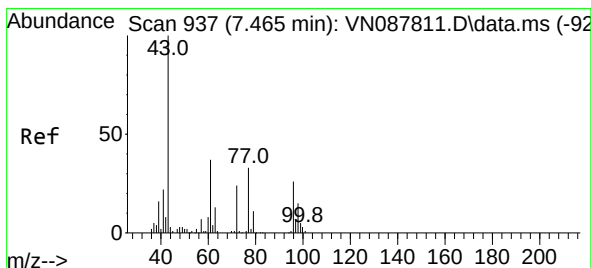
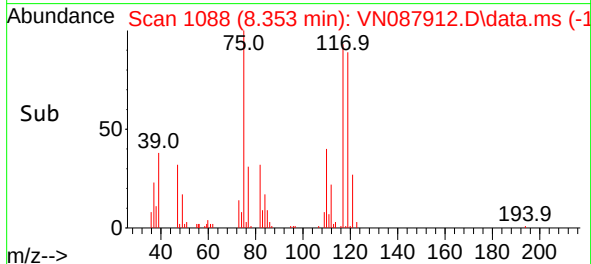
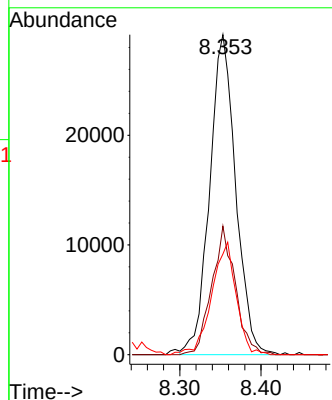
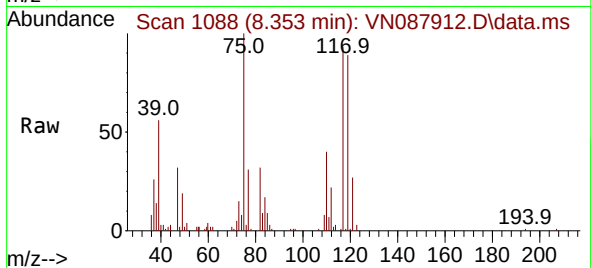
#29
1,1-Dichloropropene
Concen: 16.680 ug/l
RT: 8.353 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 6508
Ion Ratio Lower Upper
75 100
110 36.1 0.0 64.4
77 31.7 0.0 62.2

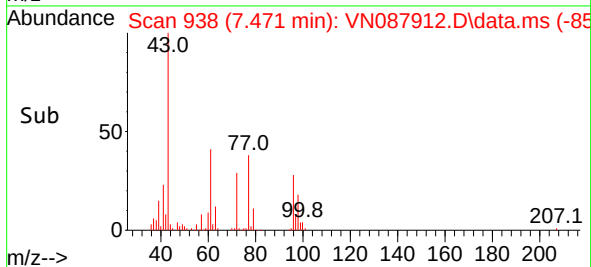
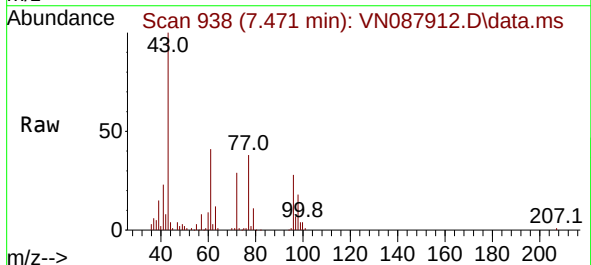
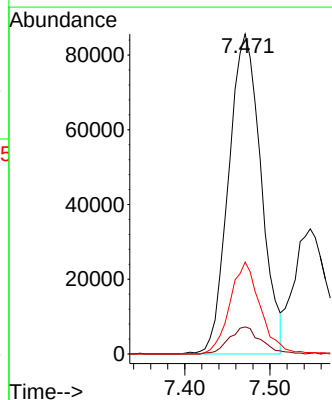
Manual Integrations
APPROVED

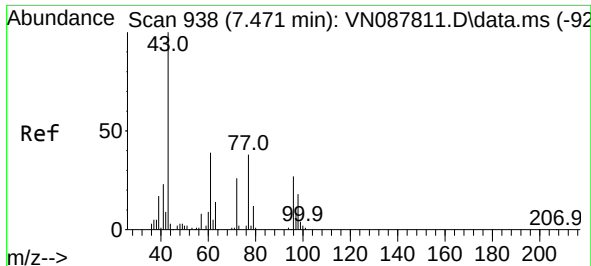
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#30
2-Butanone
Concen: 84.135 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 43 Resp: 226156
Ion Ratio Lower Upper
43 100
57 8.3 6.3 9.5
72 26.9 21.4 32.2





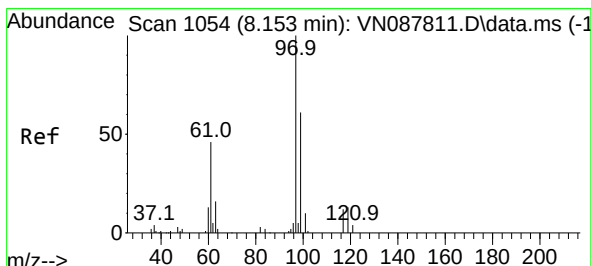
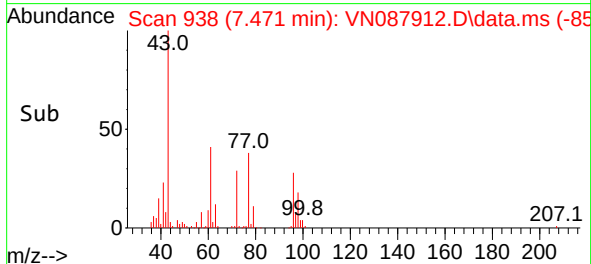
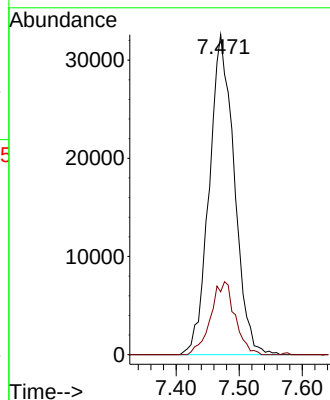
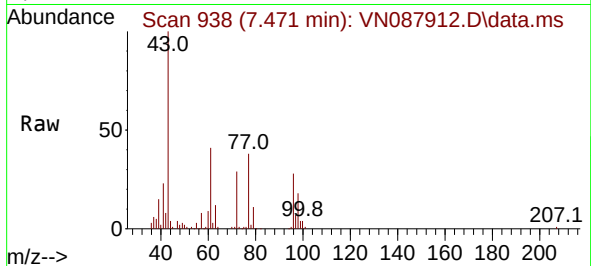
#31
2,2-Dichloropropane
Concen: 19.065 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 8967
Ion Ratio Lower Upper
77 100
97 21.9 17.1 25.7

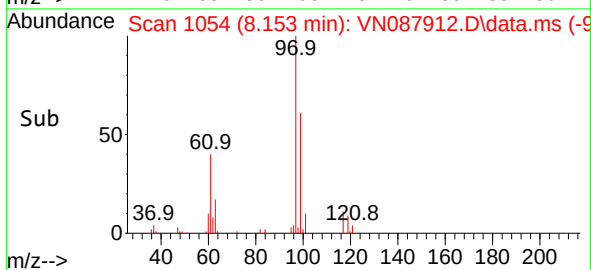
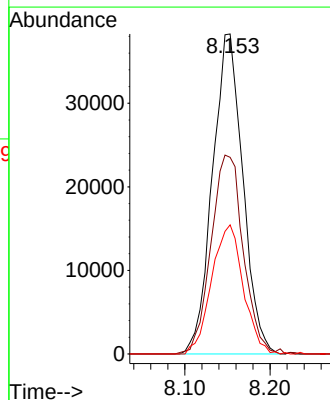
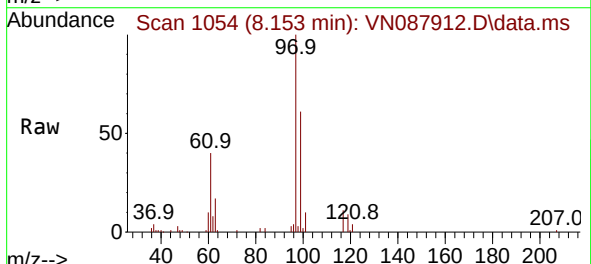
Manual Integrations
APPROVED

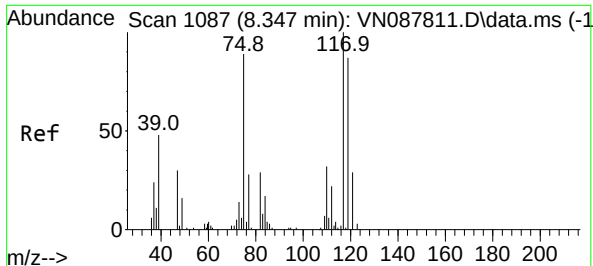
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#32
1,1,1-Trichloroethane
Concen: 19.175 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

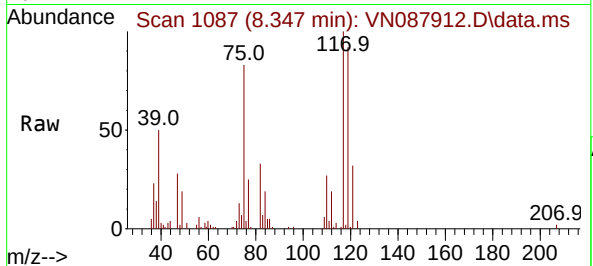
Tgt Ion: 97 Resp: 94858
Ion Ratio Lower Upper
97 100
99 65.8 52.2 78.4
61 42.0 37.9 56.9





#33
Carbon Tetrachloride
Concen: 19.076 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

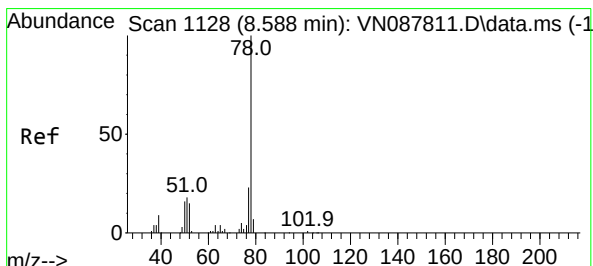
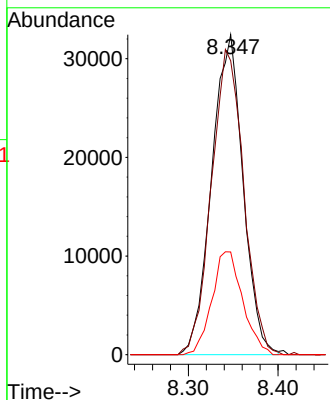
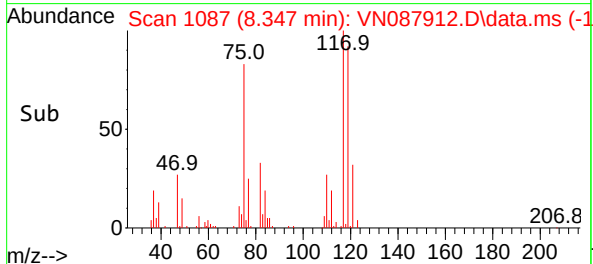
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 78684
Ion Ratio Lower Upper
117 100
119 91.9 77.3 115.9
121 32.1 26.6 39.8

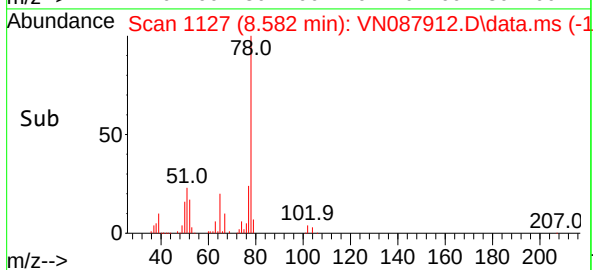
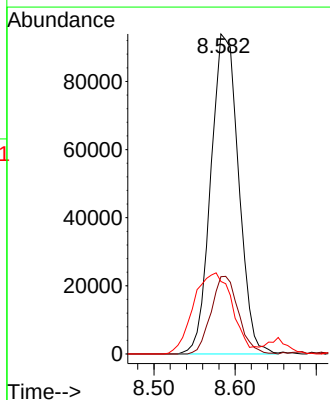
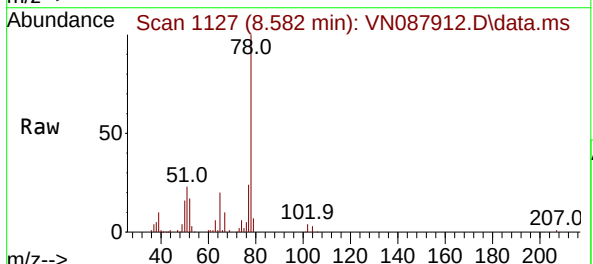
Manual Integrations
APPROVED

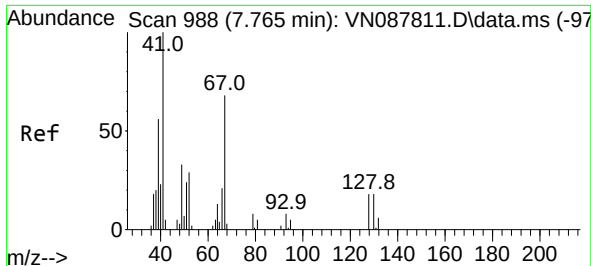
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#34
Benzene
Concen: 17.683 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

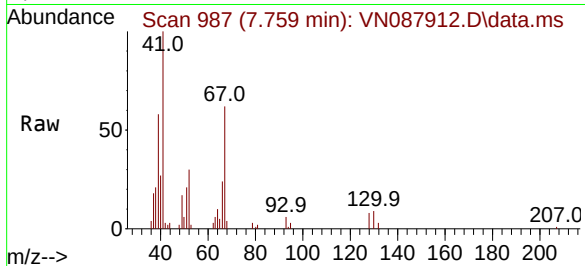
Tgt Ion: 78 Resp: 223004
Ion Ratio Lower Upper
78 100
77 24.1 20.3 30.5
51 19.9 18.0 27.0





#35
Methacrylonitrile
Concen: 15.944 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

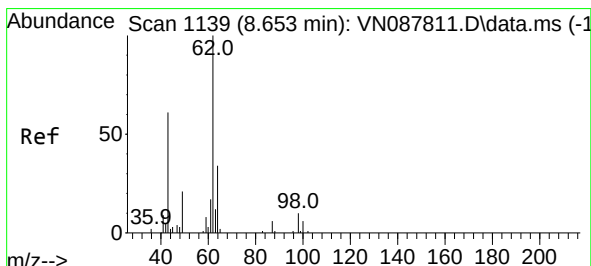
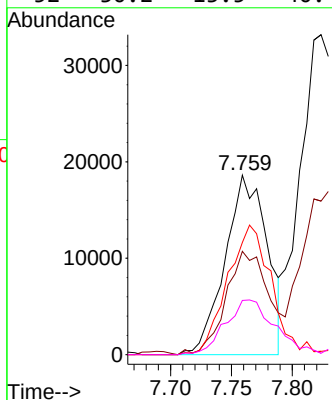
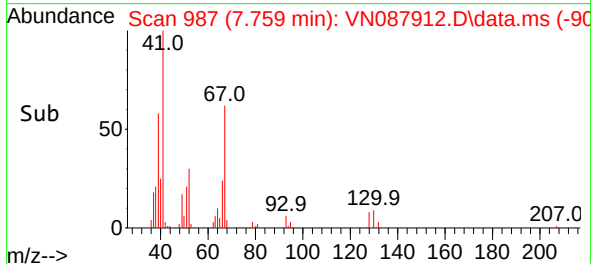
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 44830
Ion Ratio Lower Upper
41 100
39 57.6 27.1 81.2
67 62.5 32.1 96.5
52 30.2 13.5 40.4

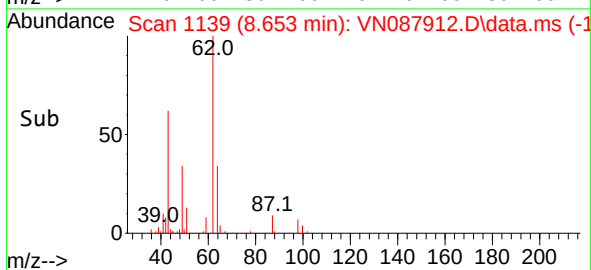
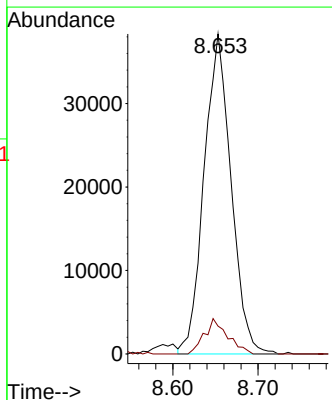
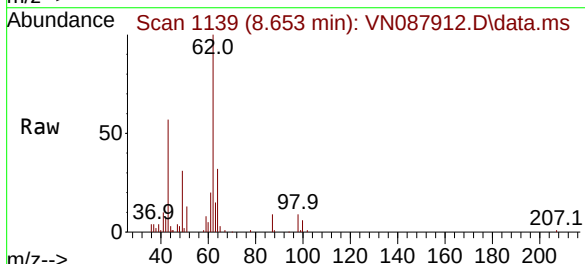
Manual Integrations
APPROVED

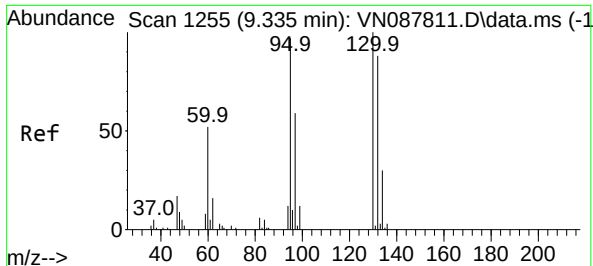
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#36
1,2-Dichloroethane
Concen: 17.717 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 62 Resp: 84398
Ion Ratio Lower Upper
62 100
98 9.5 7.2 10.8





#37

Trichloroethene

Concen: 18.690 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 5268

Ion Ratio Lower Upper

130 100

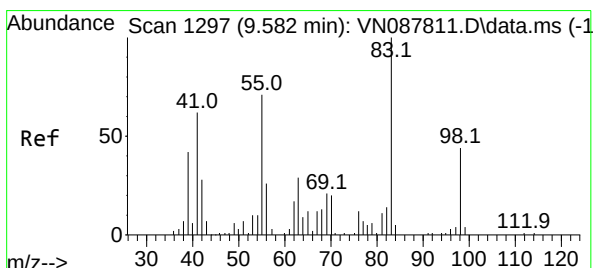
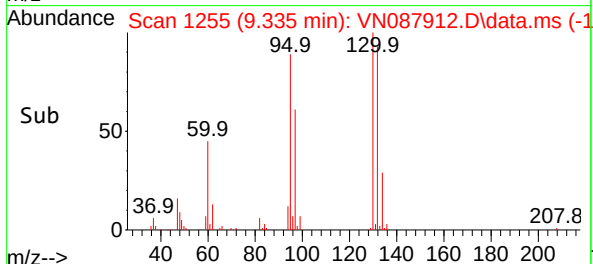
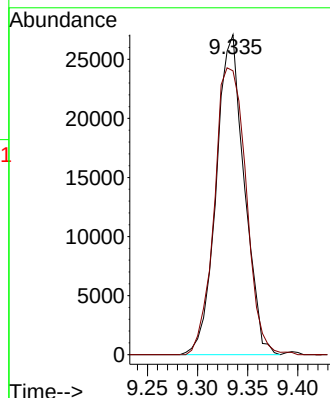
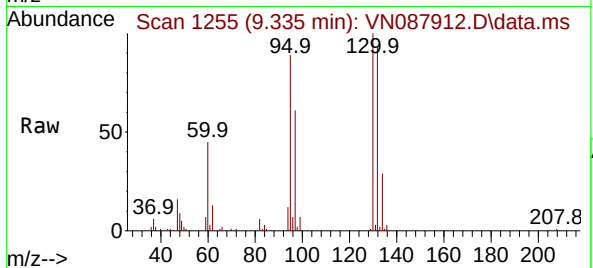
95 88.7 82.7 124.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#38

Methylcyclohexane

Concen: 15.004 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

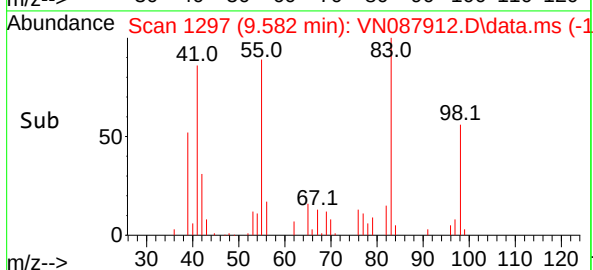
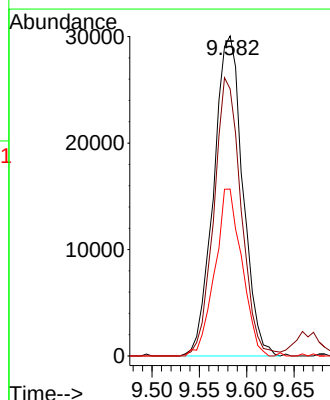
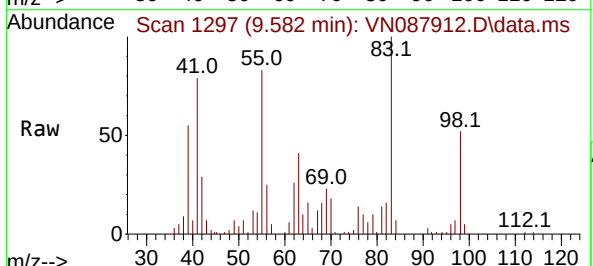
Tgt Ion: 83 Resp: 64465

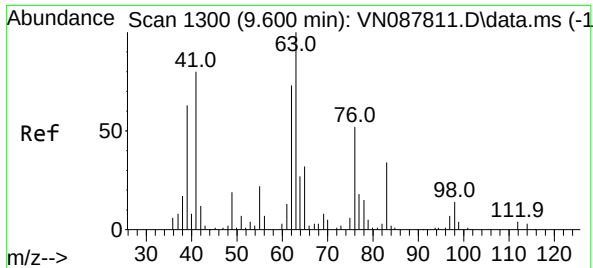
Ion Ratio Lower Upper

83 100

55 81.3 40.4 121.1

98 48.3 24.0 72.0





#39

1,2-Dichloropropane

Concen: 17.836 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 57609

Ion Ratio Lower Upper

63 100

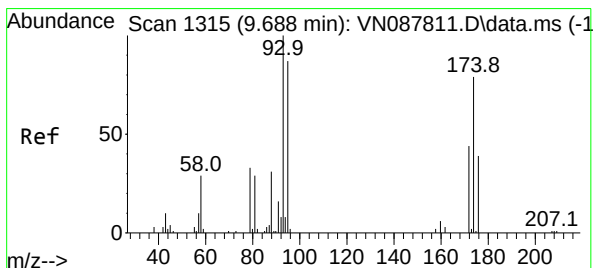
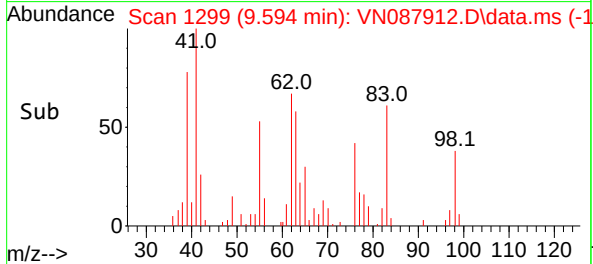
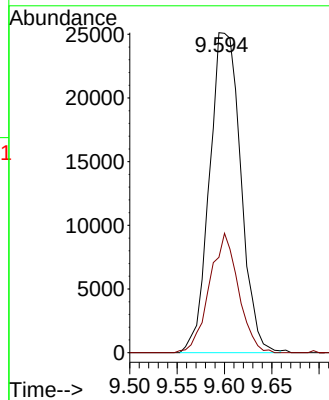
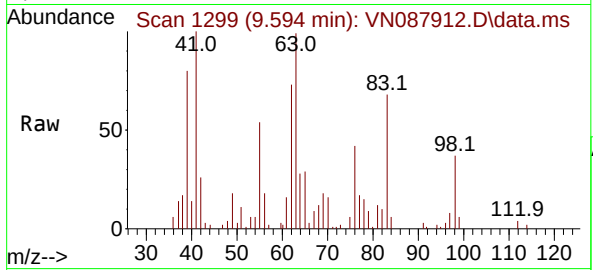
65 29.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#40

Dibromomethane

Concen: 19.738 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

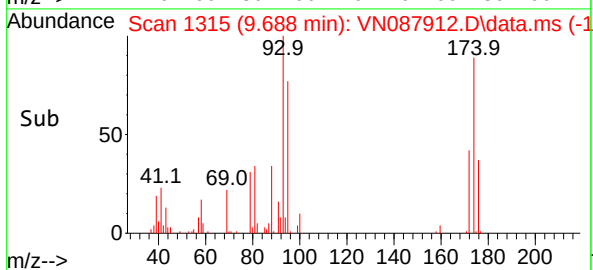
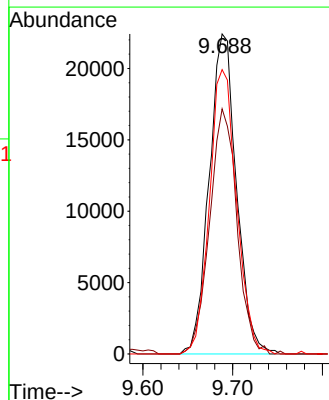
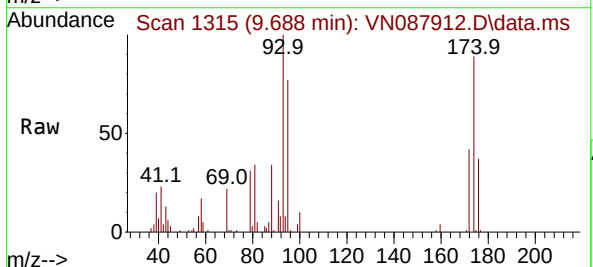
Tgt Ion: 93 Resp: 47444

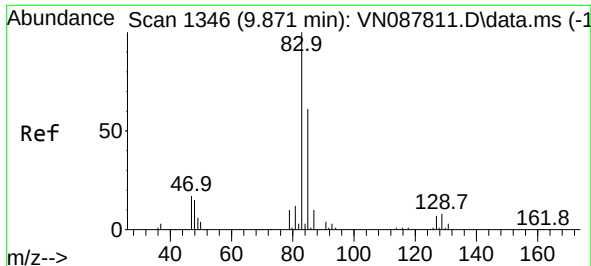
Ion Ratio Lower Upper

93 100

95 76.3 0.0 168.4

174 88.2 0.0 162.8





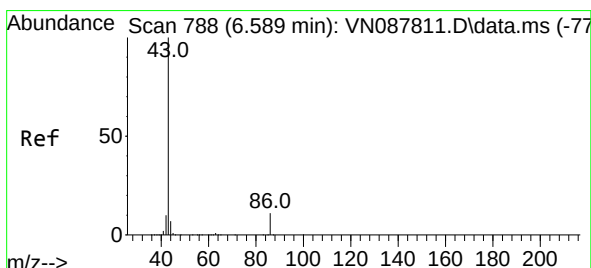
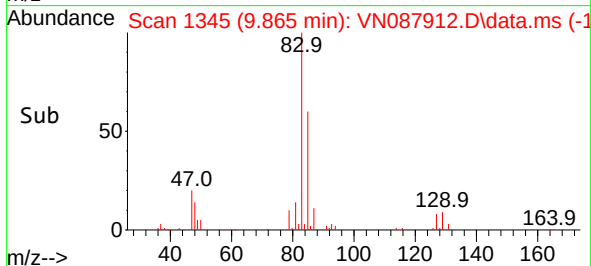
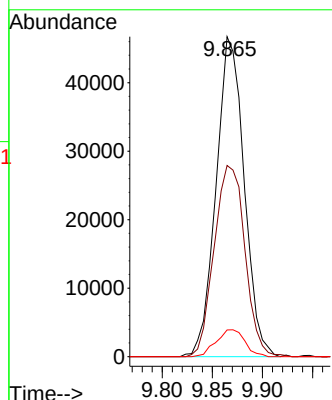
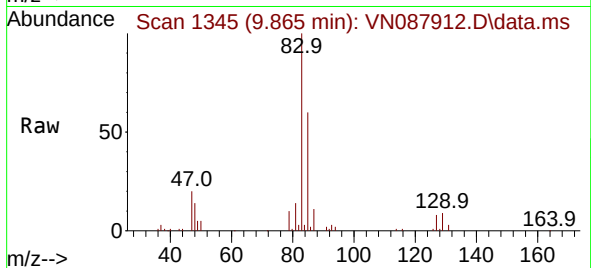
#41
Bromodichloromethane
Concen: 18.497 ug/l
RT: 9.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 90875
Ion Ratio Lower Upper
83 100
85 59.8 47.3 70.9
127 8.4 5.2 7.8

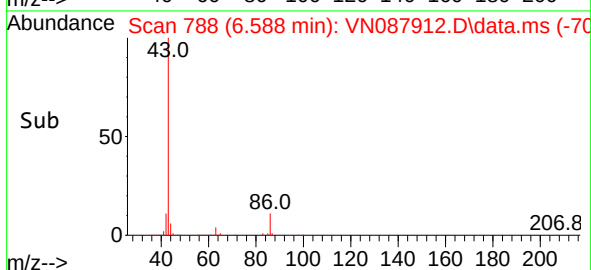
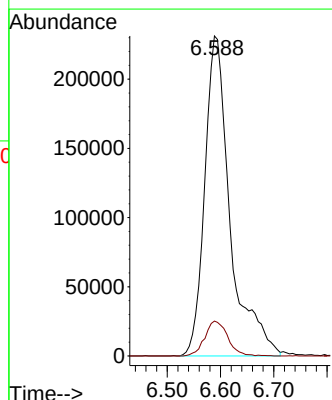
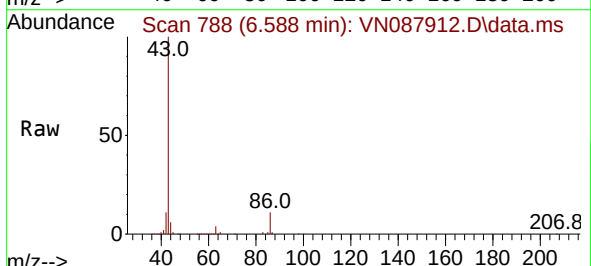
Manual Integrations
APPROVED

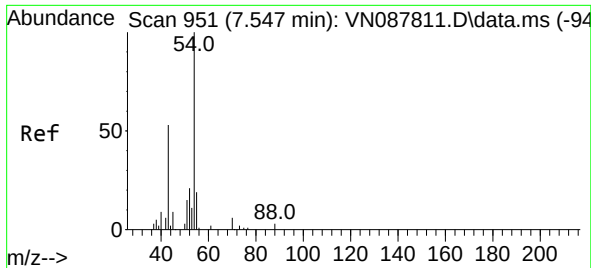
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#42
Vinyl Acetate
Concen: 85.459 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

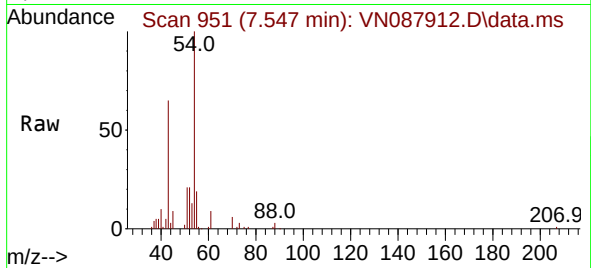
Tgt Ion: 43 Resp: 767525
Ion Ratio Lower Upper
43 100
86 9.7 7.7 11.5





#43
Ethyl Acetate
Concen: 16.968 ug/l
RT: 7.547 min Scan# 951
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

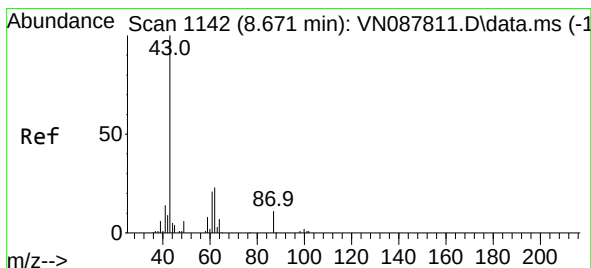
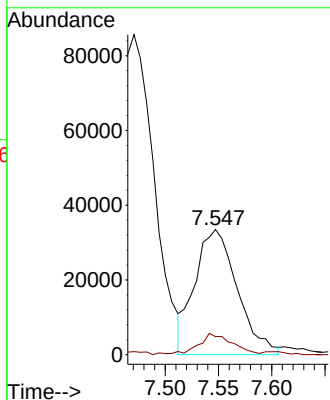
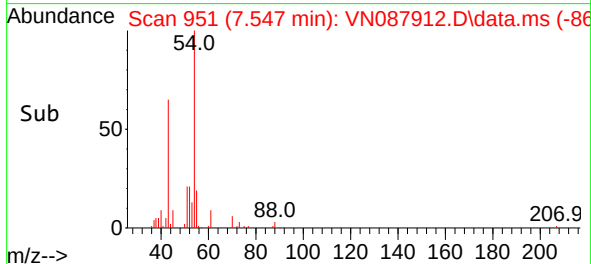
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 93180
Ion Ratio Lower Upper
43 100
45 12.7 10.5 15.7

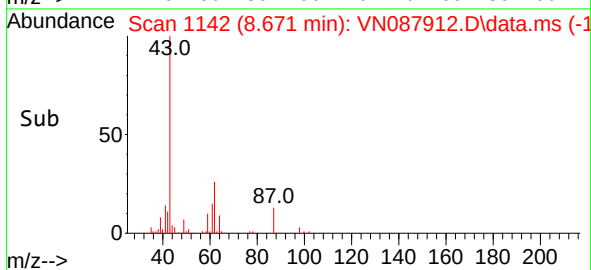
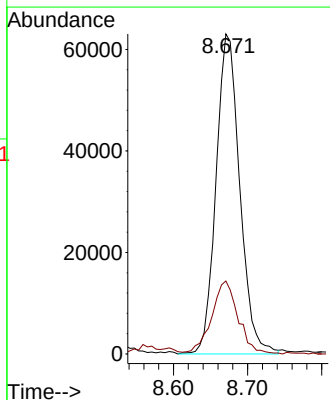
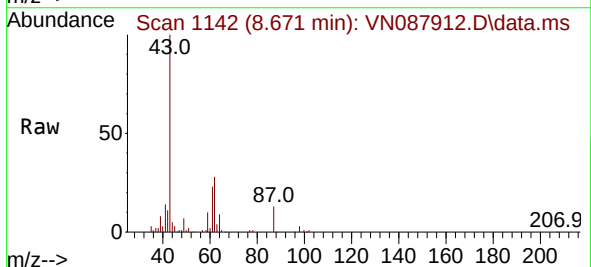
Manual Integrations
APPROVED

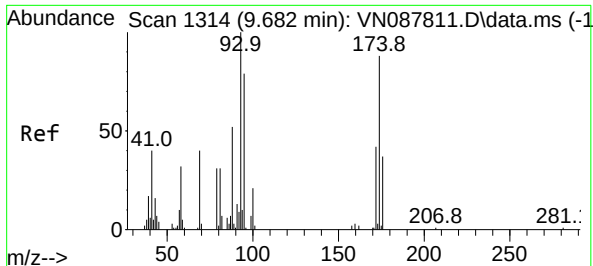
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#44
Isopropyl Acetate
Concen: 16.290 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

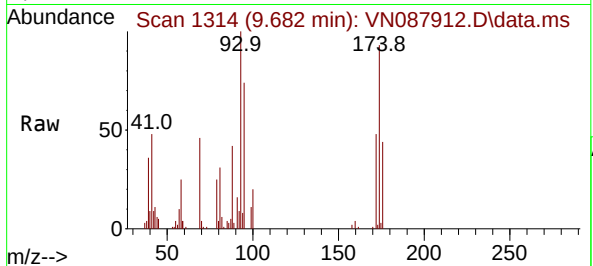
Tgt Ion: 43 Resp: 140251
Ion Ratio Lower Upper
43 100
61 25.5 19.5 29.3





#45
1,4-Dioxane
Concen: 339.627 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

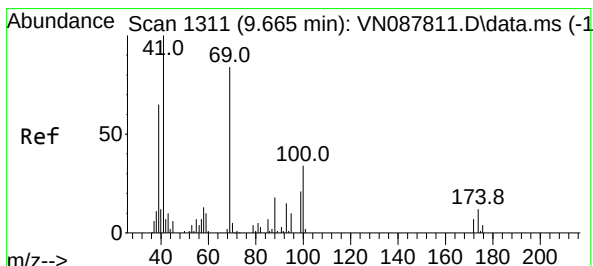
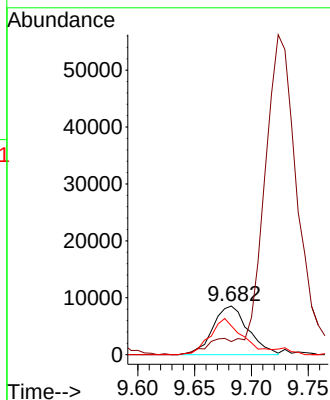
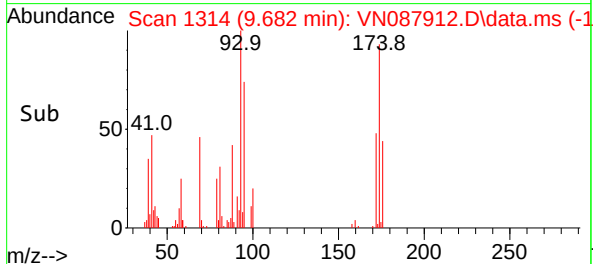
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



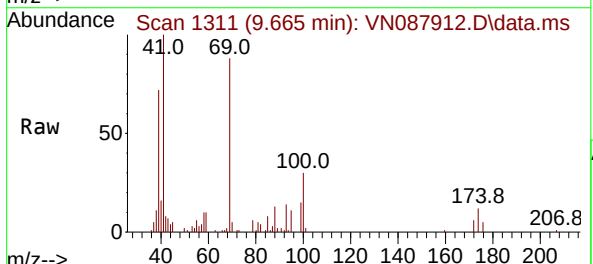
Tgt Ion: 88 Resp: 18440
Ion Ratio Lower Upper
88 100
43 35.4 23.6 35.4
58 65.3 60.5 90.7

Manual Integrations
APPROVED

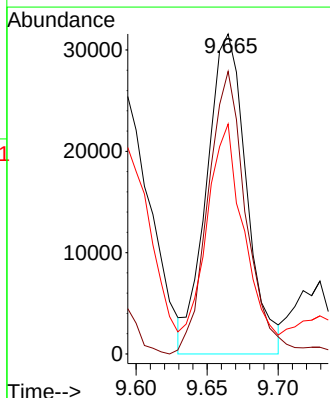
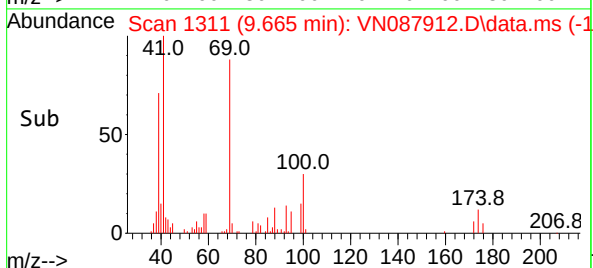
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

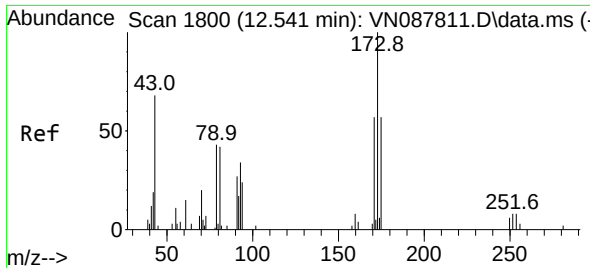


#46
Methyl methacrylate
Concen: 15.564 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19



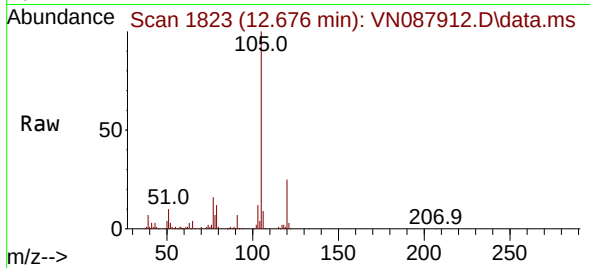
Tgt Ion: 41 Resp: 61765
Ion Ratio Lower Upper
41 100
69 95.7 40.3 120.9
39 72.5 31.9 95.9





#47
n-amyl acetate
Concen: 15.700 ug/l m
RT: 12.676 min Scan# 1800
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

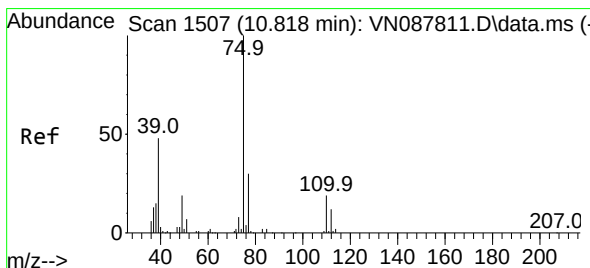
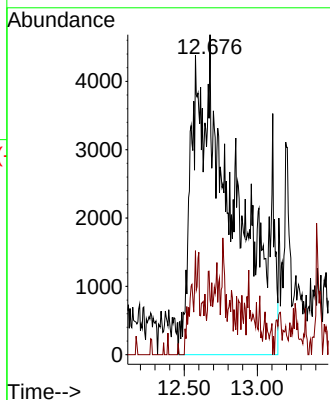
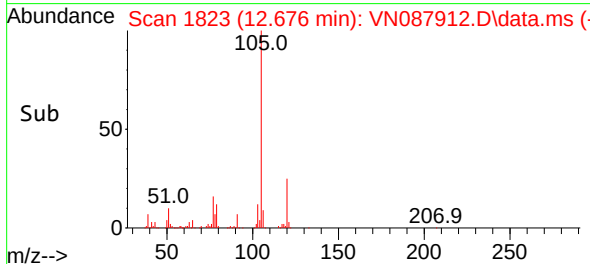
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 9134
Ion Ratio Lower Upper
43 100
55 1.6 0.7 1.1

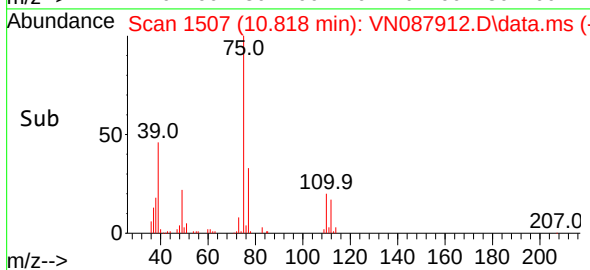
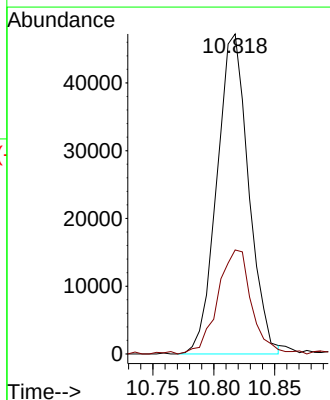
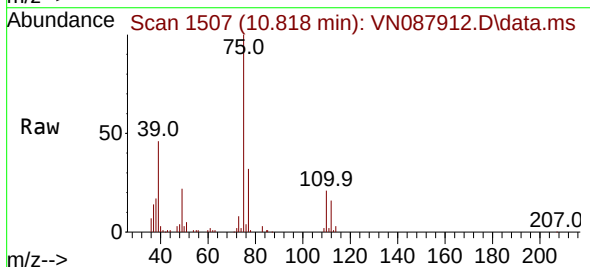
Manual Integrations
APPROVED

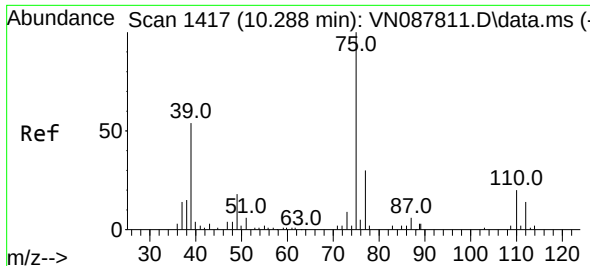
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#48
t-1,3-Dichloropropene
Concen: 16.776 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 75 Resp: 85602
Ion Ratio Lower Upper
75 100
77 32.5 24.7 37.1





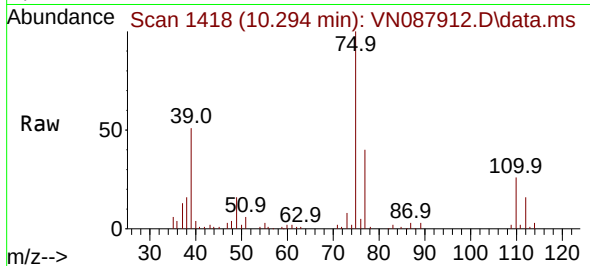
#49
 cis-1,3-Dichloropropene
 Concen: 17.197 ug/l
 RT: 10.294 min Scan# 1417
 Delta R.T. 0.006 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



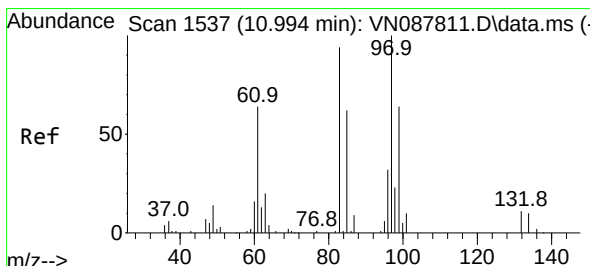
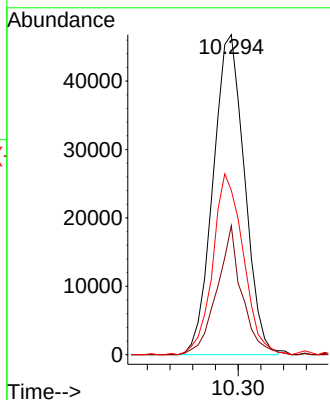
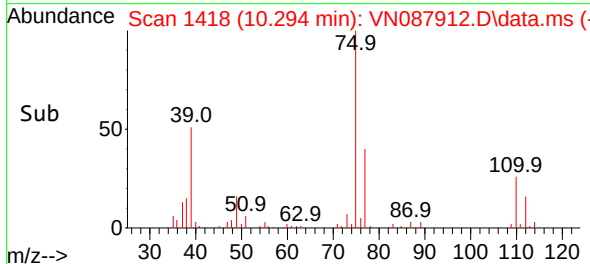
Tgt Ion: 75 Resp: 89878
 Ion Ratio Lower Upper
 75 100
 77 40.3 27.8 41.6
 39 51.3 47.6 71.4

Manual Integrations

APPROVED

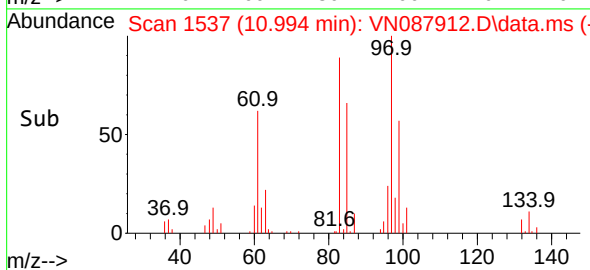
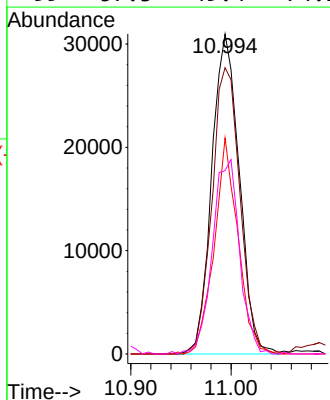
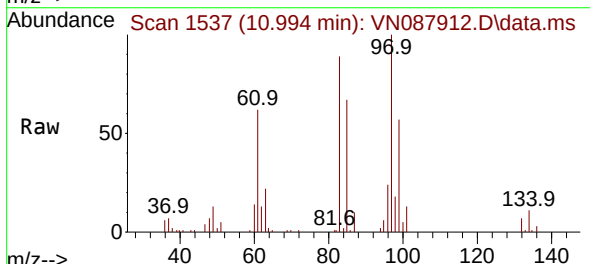
Reviewed By :John Carlone 09/23/2025

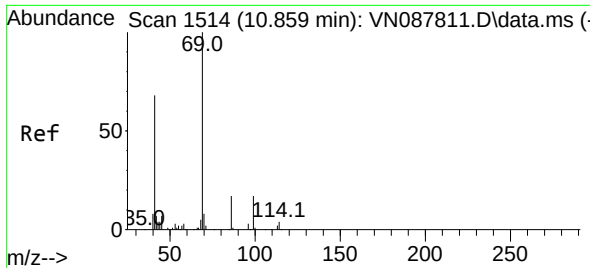
Supervised By :Mahesh Dadoda 09/24/2025



#50
 1,1,2-Trichloroethane
 Concen: 18.983 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19

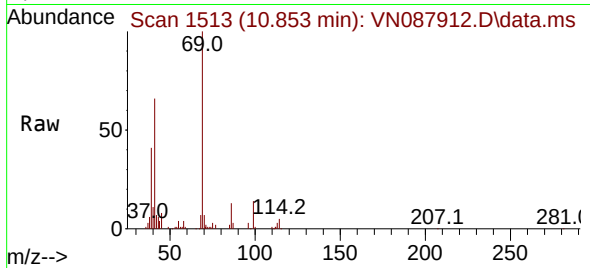
Tgt Ion: 97 Resp: 58936
 Ion Ratio Lower Upper
 97 100
 83 89.5 70.5 105.7
 85 66.9 46.3 69.5
 99 57.3 49.4 74.2





#51
Ethyl methacrylate
Concen: 15.307 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

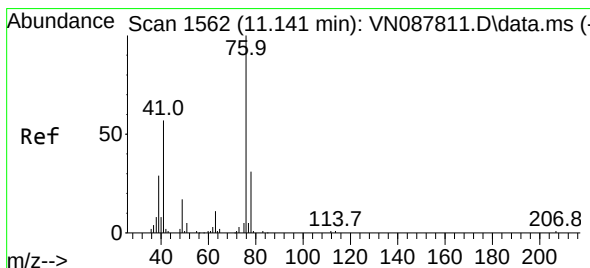
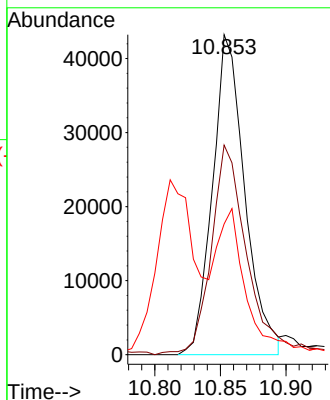
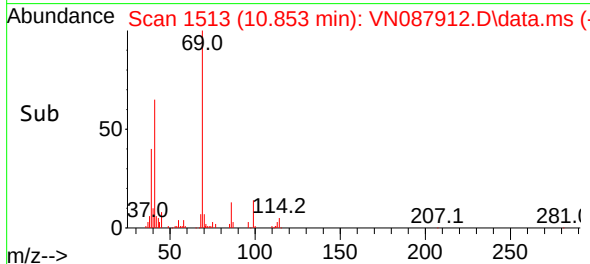
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 73960
Ion Ratio Lower Upper
69 100
41 64.6 33.7 101.0
39 36.4 20.3 60.9

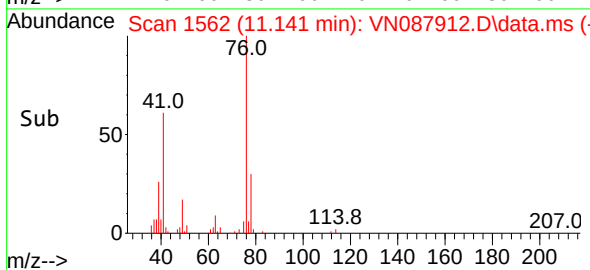
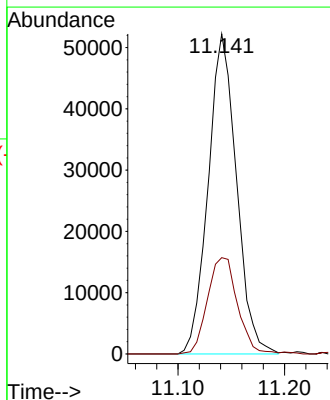
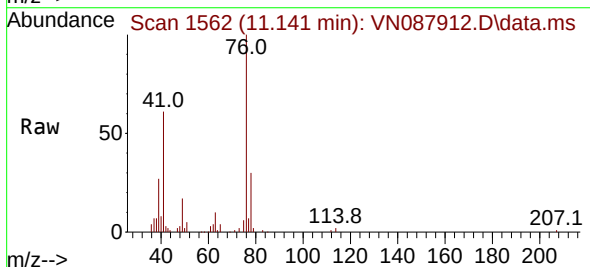
Manual Integrations
APPROVED

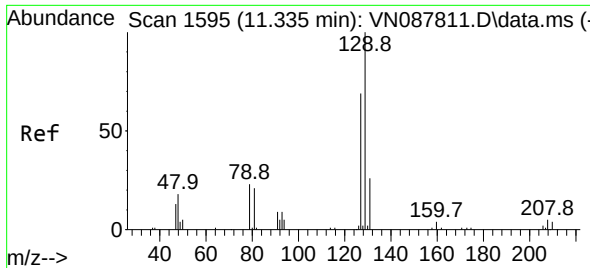
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#52
1,3-Dichloropropane
Concen: 17.877 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

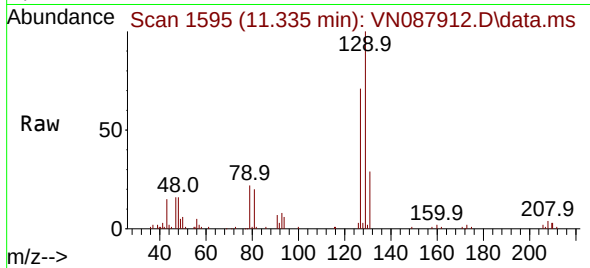
Tgt Ion: 76 Resp: 96375
Ion Ratio Lower Upper
76 100
78 31.8 0.0 65.2





#53
Dibromochloromethane
Concen: 20.621 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

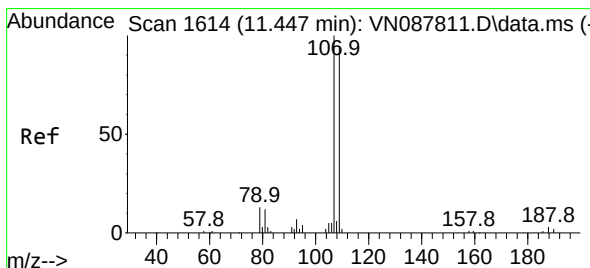
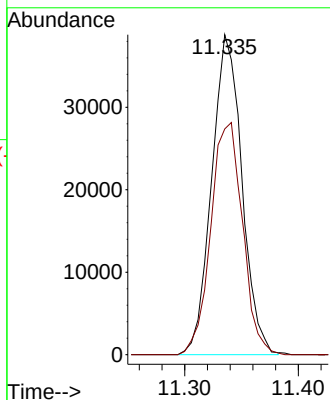
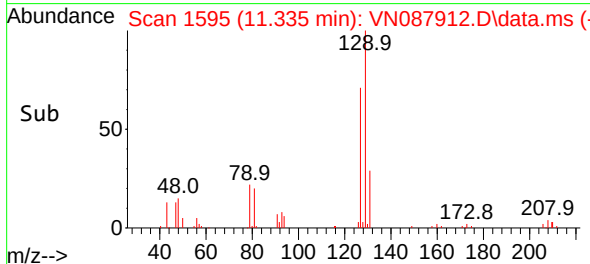
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



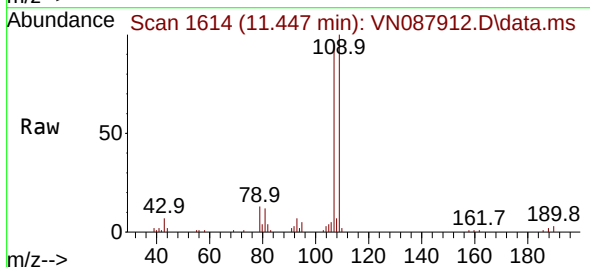
Tgt Ion:129 Resp: 71783
Ion Ratio Lower Upper
129 100
127 76.2 42.6 128.0

Manual Integrations
APPROVED

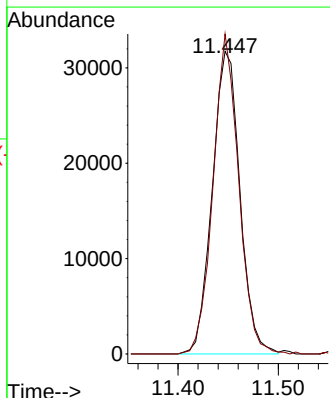
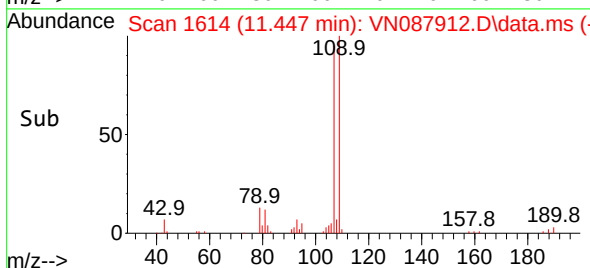
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

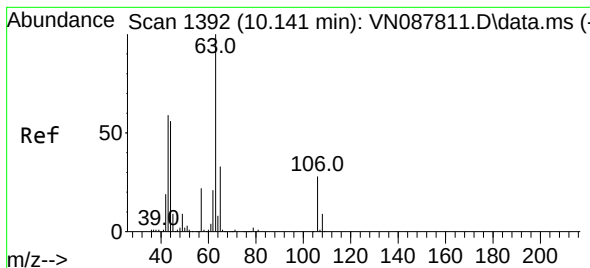


#54
1,2-Dibromoethane
Concen: 18.851 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19



Tgt Ion:107 Resp: 60899
Ion Ratio Lower Upper
107 100
109 97.7 74.6 112.0





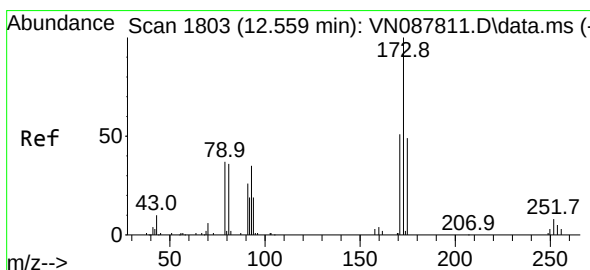
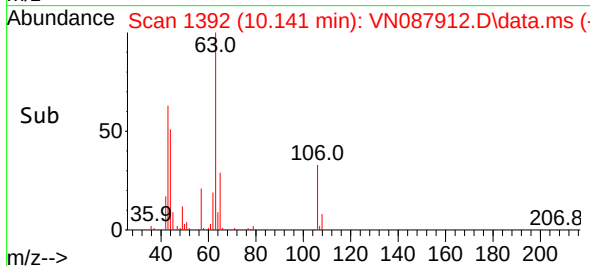
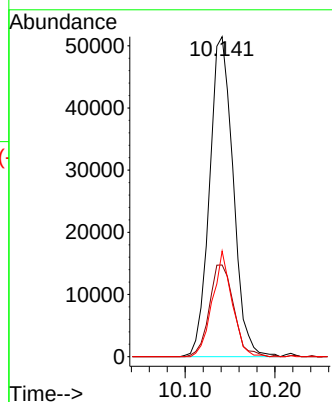
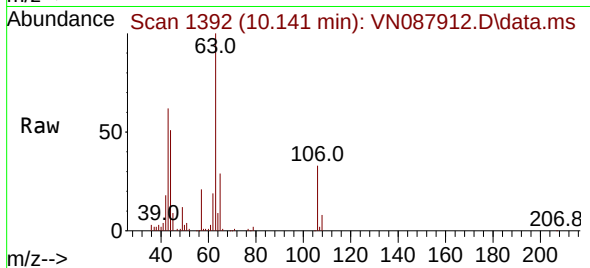
#55
2-Chloroethyl vinyl ether
Concen: 33.966 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 94030
Ion Ratio Lower Upper
63 100
65 29.6 26.6 40.0
106 27.3 21.1 31.7

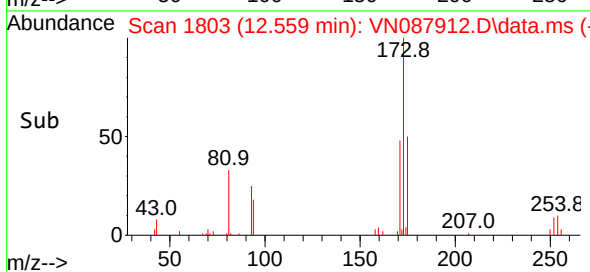
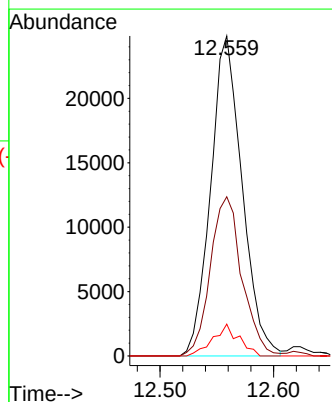
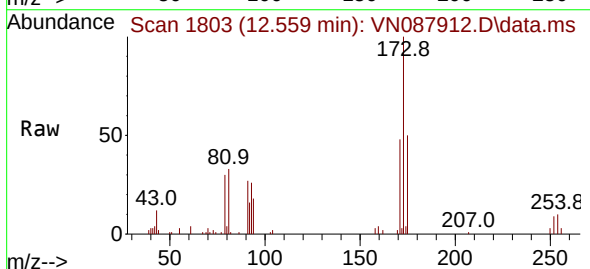
Manual Integrations
APPROVED

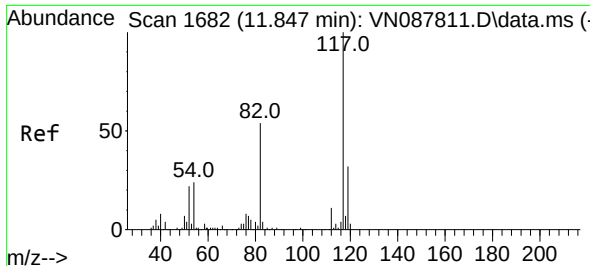
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#56
Bromoform
Concen: 21.024 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

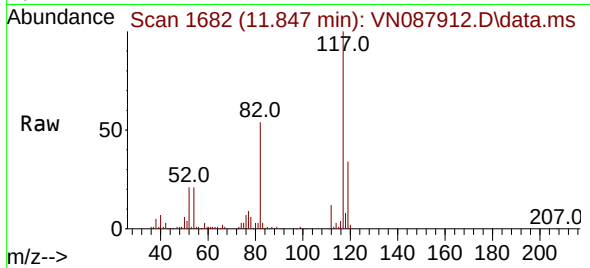
Tgt Ion:173 Resp: 47794
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.6
254 8.2 6.2 9.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

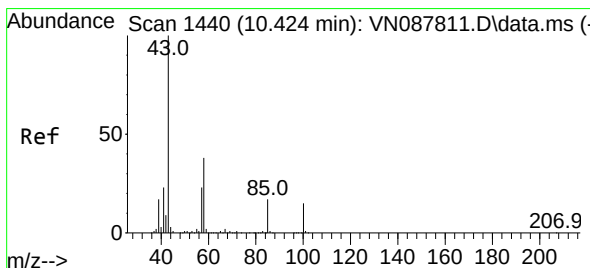
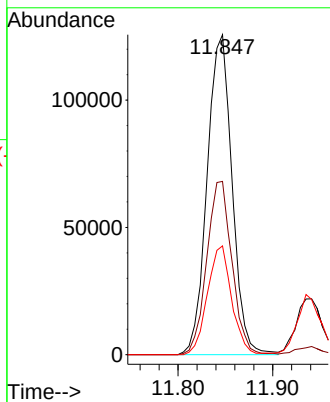
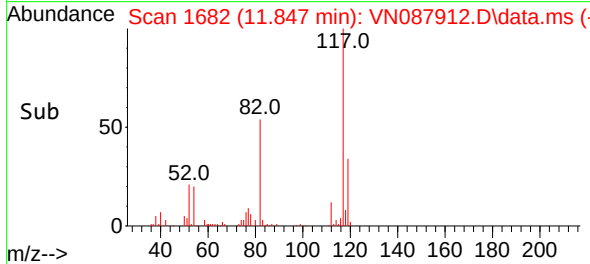
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 230490
Ion Ratio Lower Upper
117 100
82 54.6 45.9 68.9
119 32.8 25.3 37.9

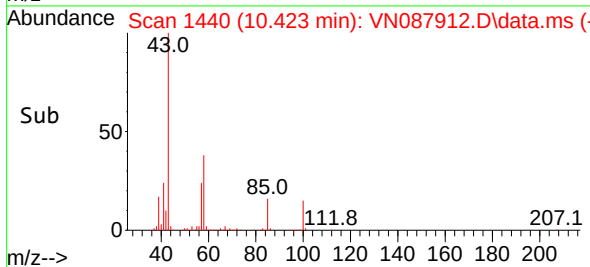
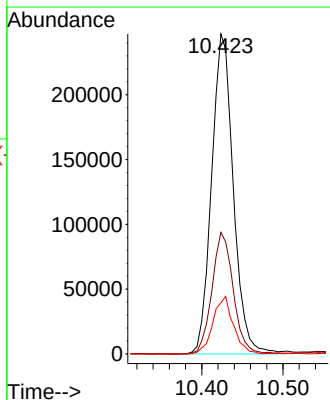
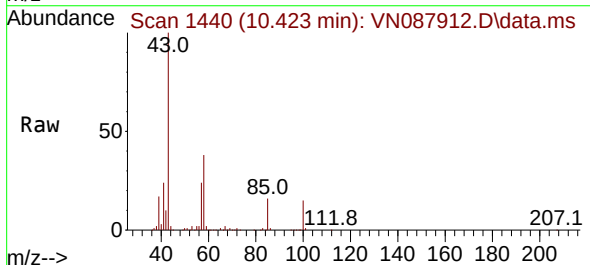
Manual Integrations
APPROVED

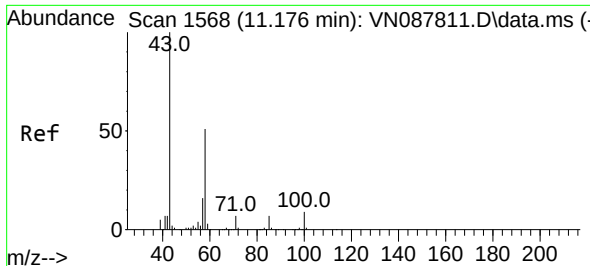
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#58
4-Methyl-2-Pentanone
Concen: 84.156 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

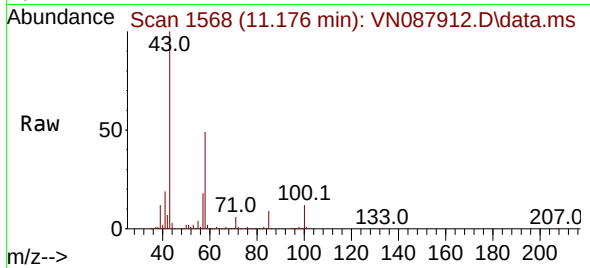
Tgt Ion: 43 Resp: 458645
Ion Ratio Lower Upper
43 100
58 37.4 29.6 44.4
85 16.9 13.0 19.4





#59
2-Hexanone
Concen: 82.373 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

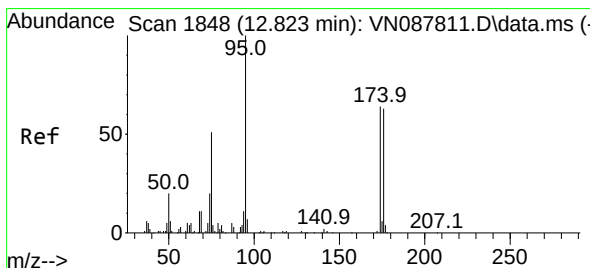
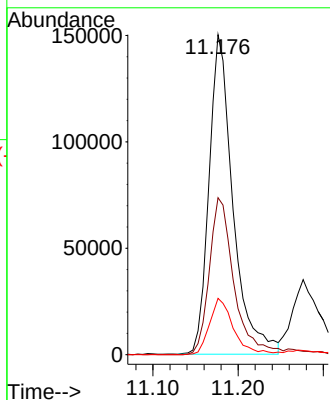
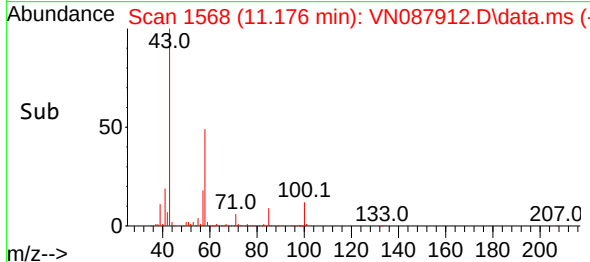
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 29334
Ion Ratio Lower Upper
43 100
58 50.6 40.2 60.4
57 17.1 13.7 20.5

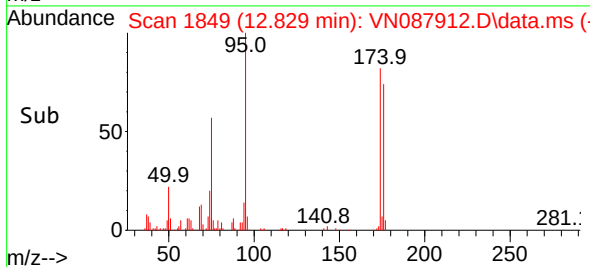
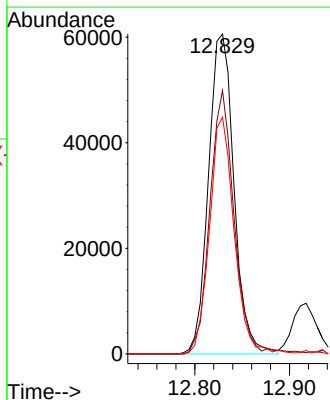
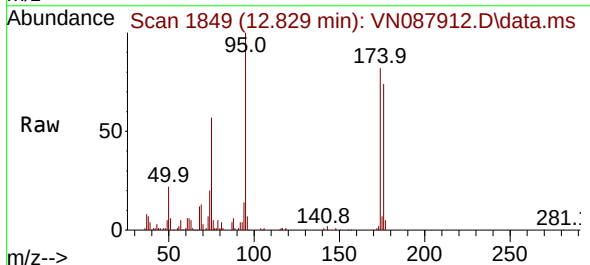
Manual Integrations
APPROVED

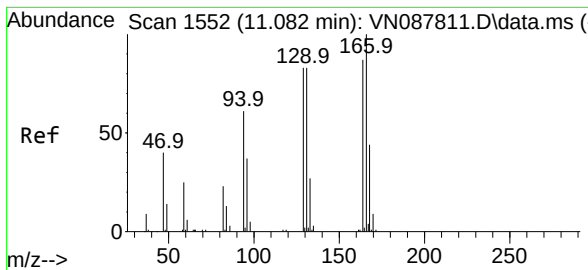
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#60
4-Bromofluorobenzene
Concen: 30.664 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

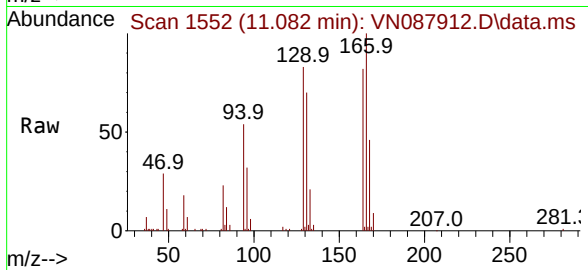
Tgt Ion: 95 Resp: 113642
Ion Ratio Lower Upper
95 100
174 77.0 55.4 83.0
176 70.1 51.5 77.3





#61
Tetrachloroethene
Concen: 20.483 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

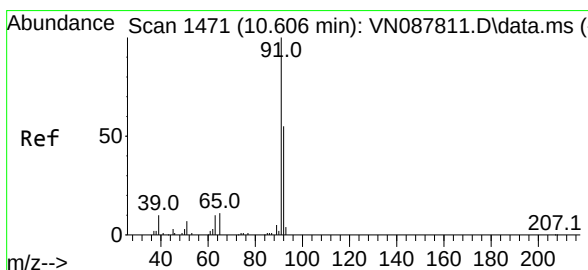
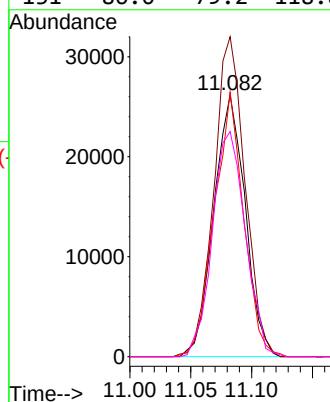
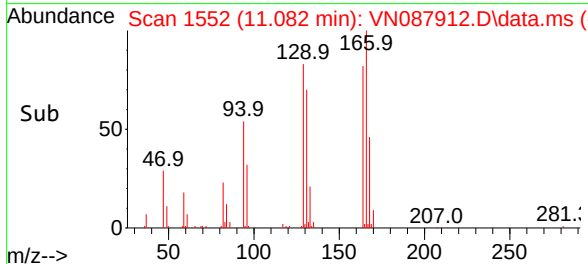
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



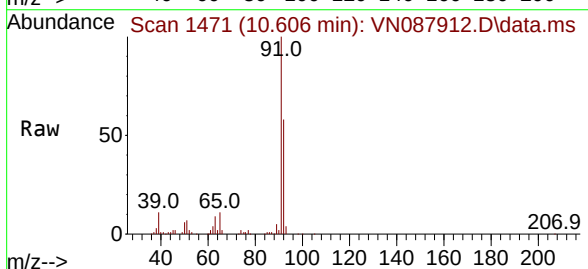
Tgt Ion:164 Resp: 47000
Ion Ratio Lower Upper
164 100
166 122.3 97.3 145.9
129 100.5 78.6 117.8
131 86.0 79.2 118.8

Manual Integrations
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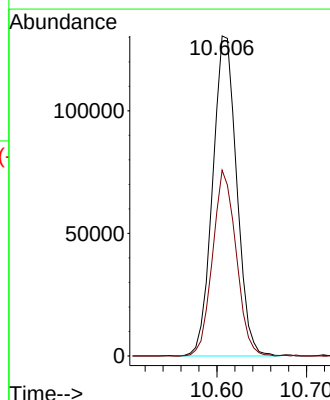
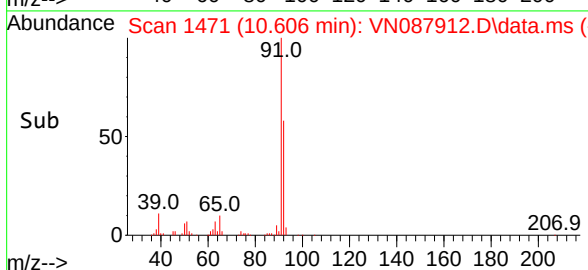
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

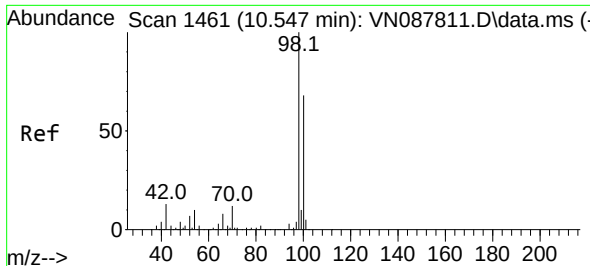


#62
Toluene
Concen: 17.441 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19



Tgt Ion: 91 Resp: 243154
Ion Ratio Lower Upper
91 100
92 56.8 45.4 68.0





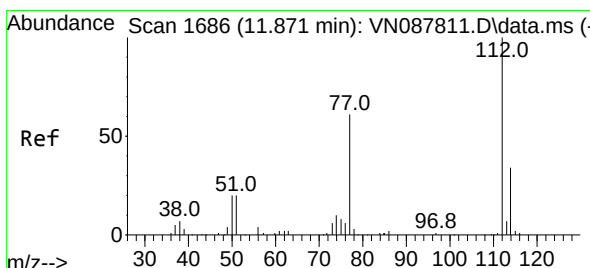
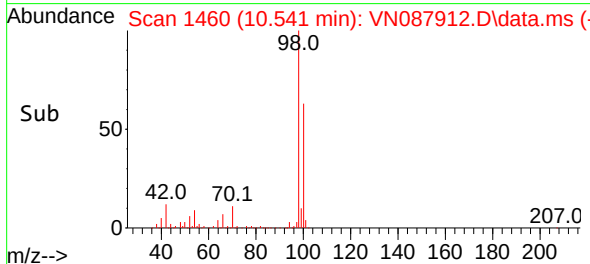
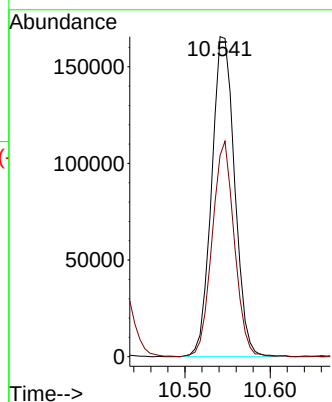
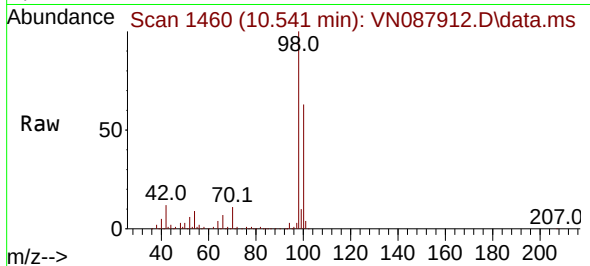
#63
Toluene-d8
Concen: 29.007 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 98 Resp: 31092
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

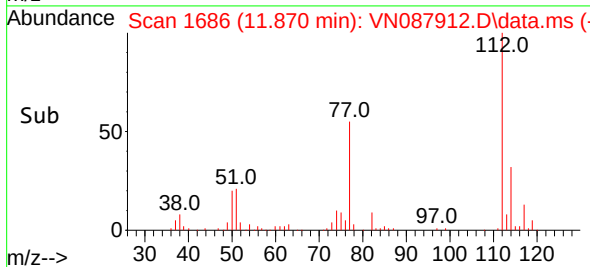
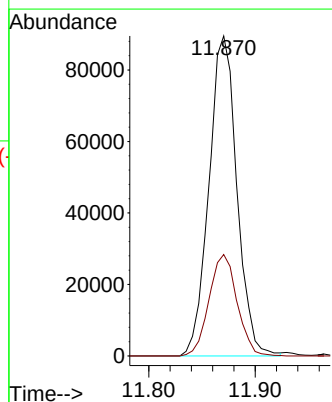
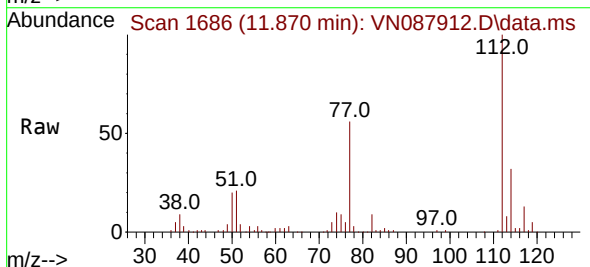
Manual Integrations
APPROVED

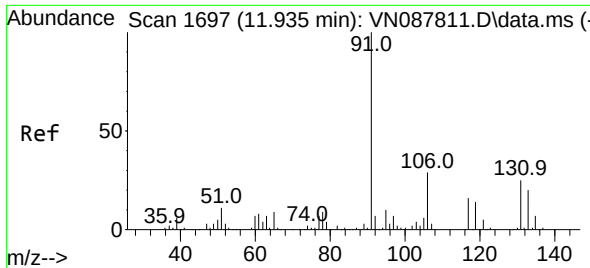
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#64
Chlorobenzene
Concen: 19.062 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion:112 Resp: 163117
Ion Ratio Lower Upper
112 100
114 31.7 23.5 35.3





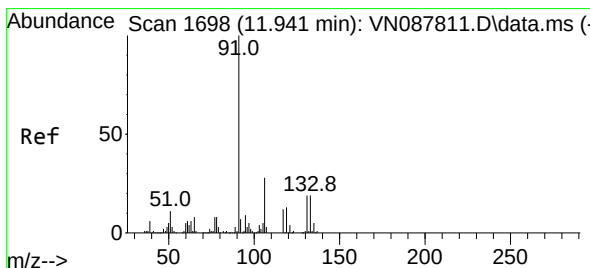
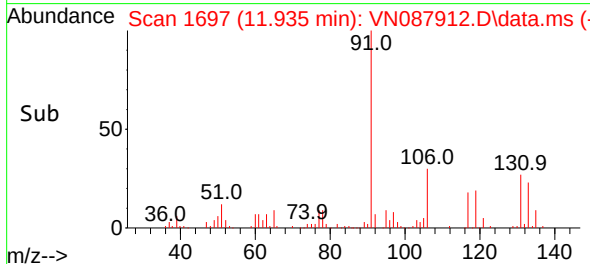
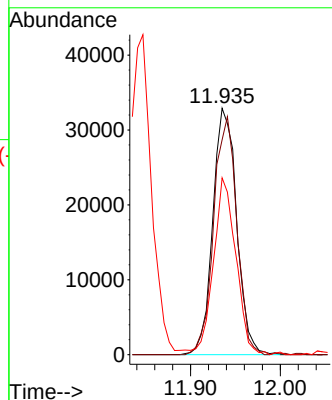
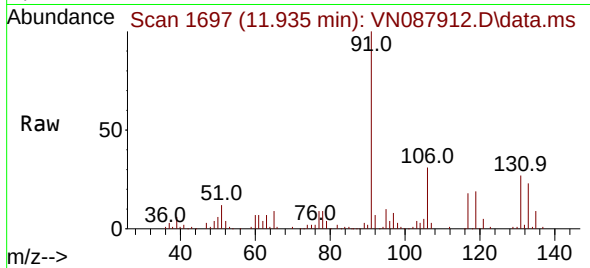
#65
1,1,1,2-Tetrachloroethane
Concen: 20.161 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 60739
Ion Ratio Lower Upper
131 100
133 93.8 0.0 195.8
119 67.1 0.0 139.0

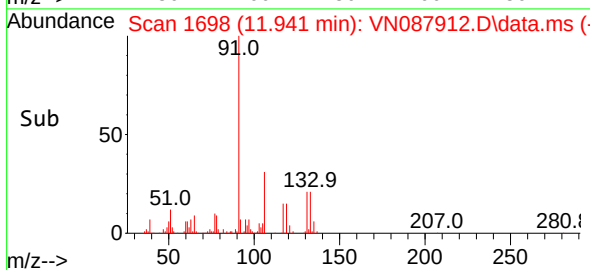
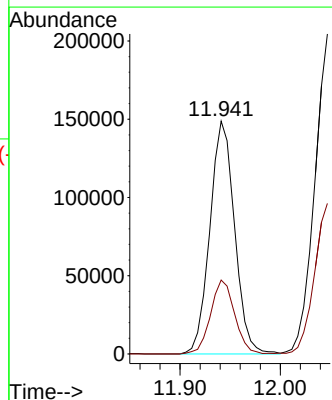
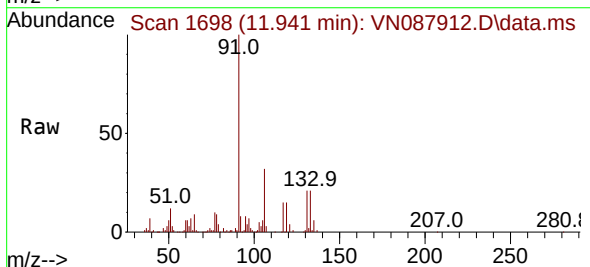
Manual Integrations
APPROVED

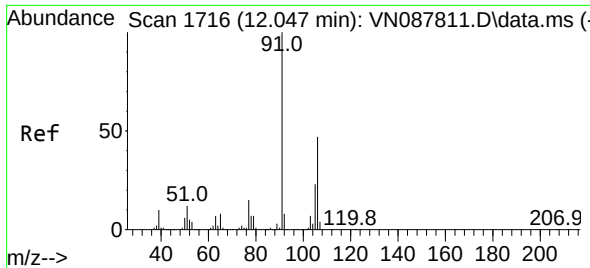
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#66
Ethyl Benzene
Concen: 16.961 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 91 Resp: 255117
Ion Ratio Lower Upper
91 100
106 31.8 21.3 31.9





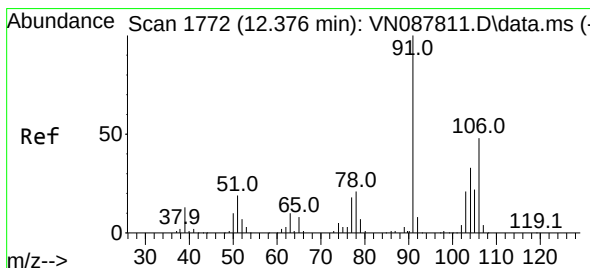
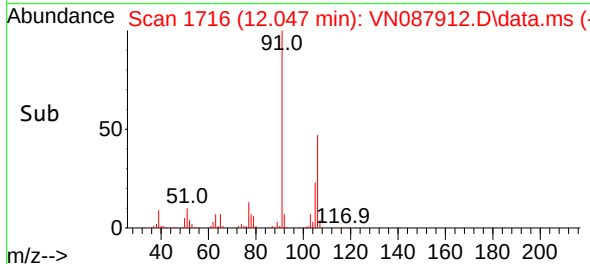
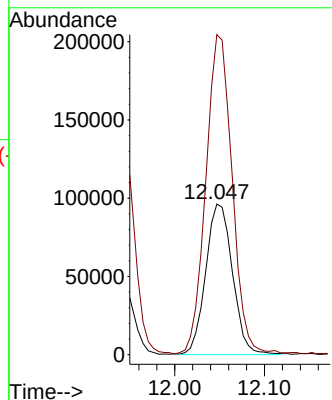
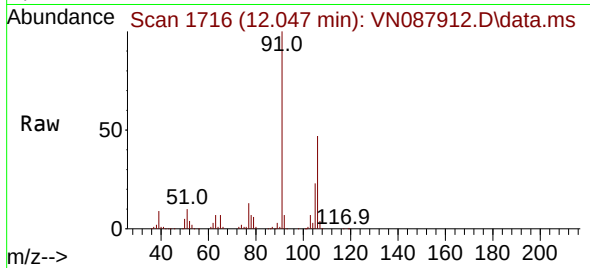
#67
m/p-Xylenes
Concen: 35.816 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 199969
Ion Ratio Lower Upper
106 100
91 208.2 174.3 261.5

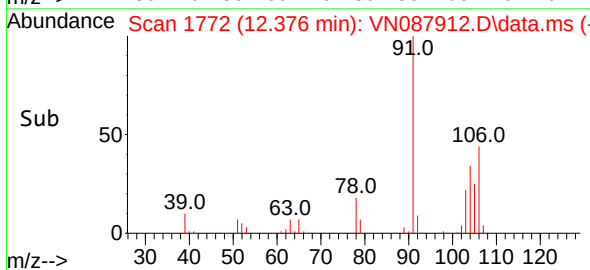
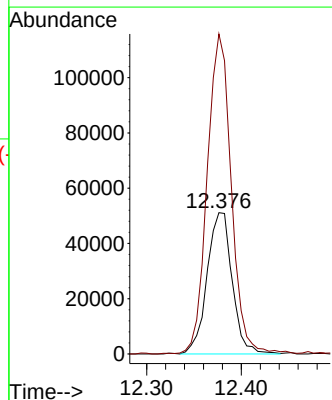
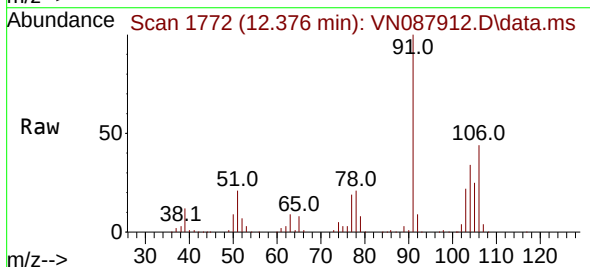
Manual Integrations
APPROVED

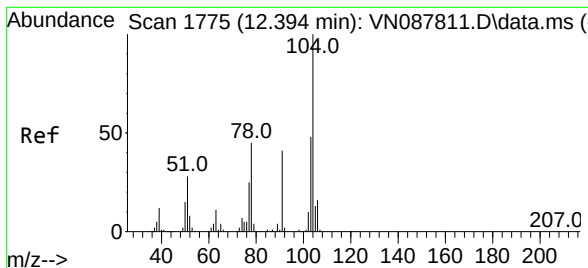
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#68
o-Xylene
Concen: 17.401 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion:106 Resp: 94200
Ion Ratio Lower Upper
106 100
91 217.0 107.7 323.3





#69

Styrene

Concen: 17.163 ug/l

RT: 12.388 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

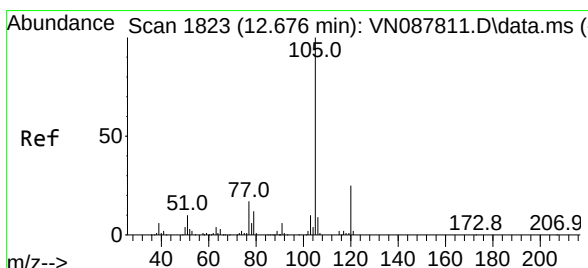
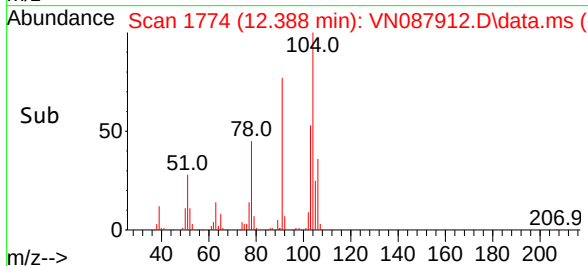
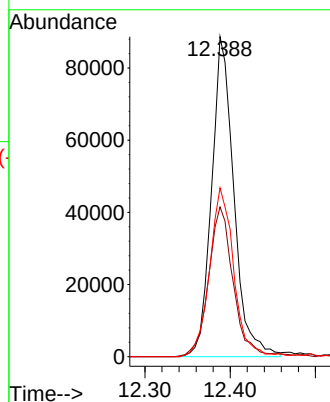
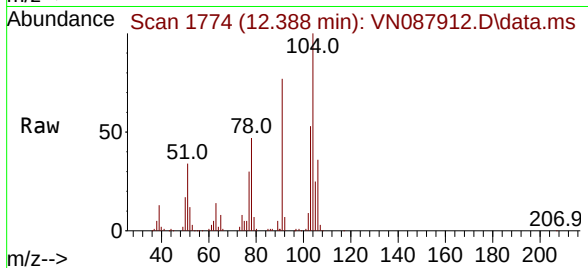
Tgt Ion:104 Resp: 161489
 Ion Ratio Lower Upper
 104 100
 78 51.0 41.0 61.6
 103 56.3 44.6 66.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#70

Isopropylbenzene

Concen: 17.078 ug/l

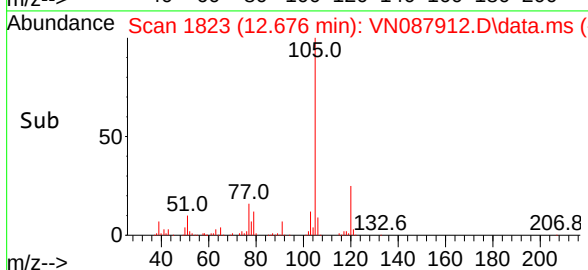
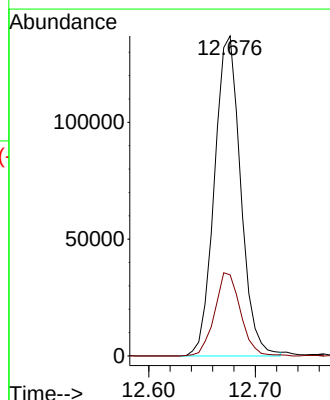
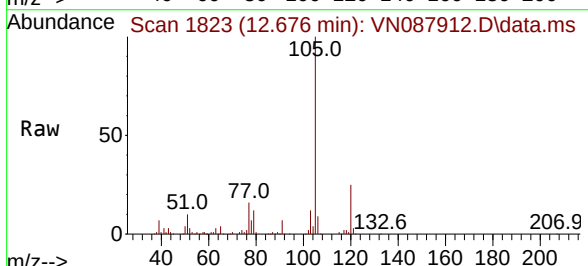
RT: 12.676 min Scan# 1823

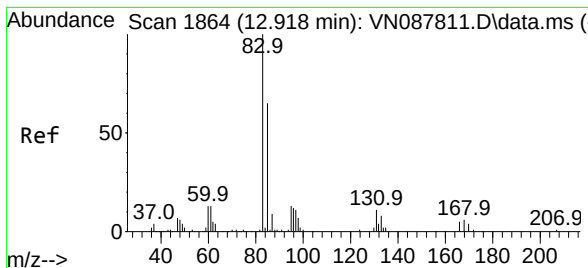
Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

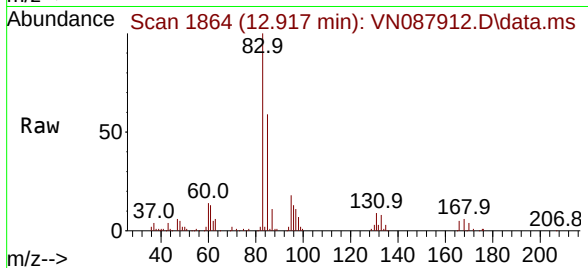
Tgt Ion:105 Resp: 234417
 Ion Ratio Lower Upper
 105 100
 120 25.7 17.4 32.4





#71
1,1,2,2-Tetrachloroethane
Concen: 19.049 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

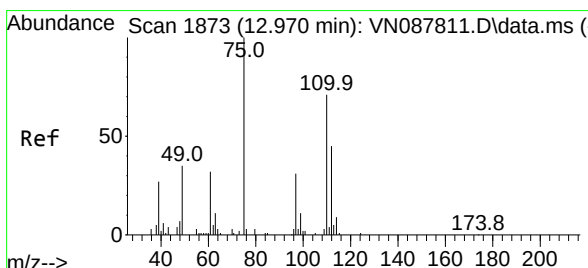
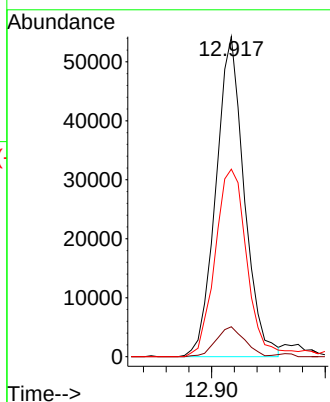
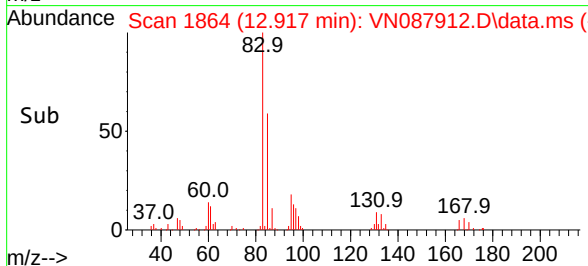
Instrument : MSVOA_N
ClientSampleId : VSTDCCC020



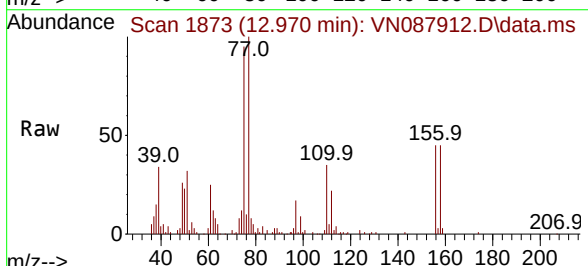
Tgt Ion: 83 Resp: 93999
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.3
85 65.2 31.9 95.7

Manual Integrations
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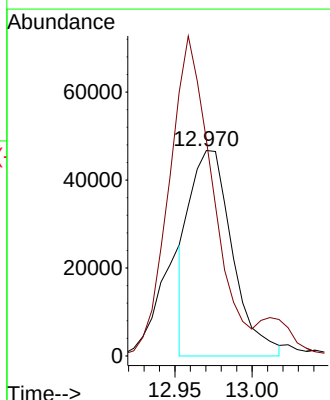
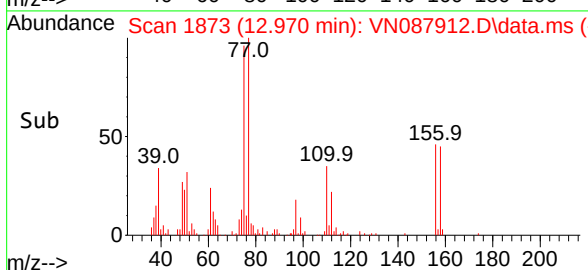
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

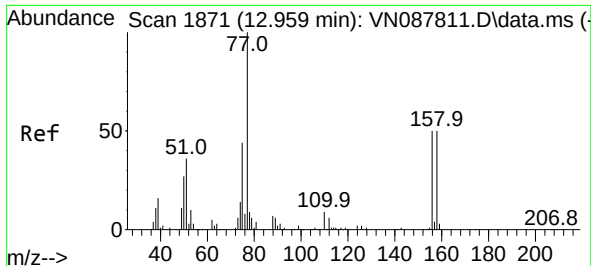


#72
1,2,3-Trichloropropane
Concen: 18.631 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19



Tgt Ion: 75 Resp: 90273
Ion Ratio Lower Upper
75 100
77 158.8 0.0 378.8





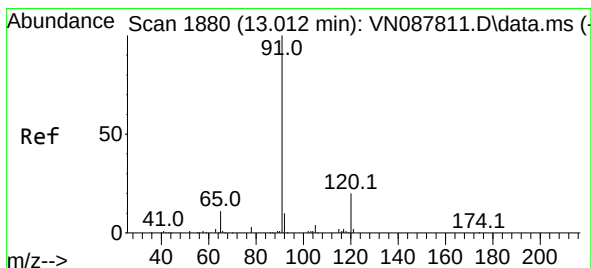
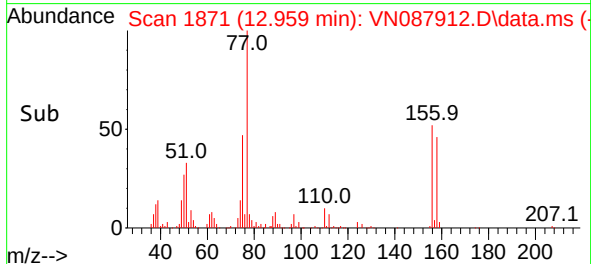
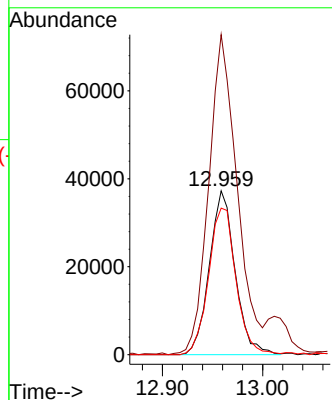
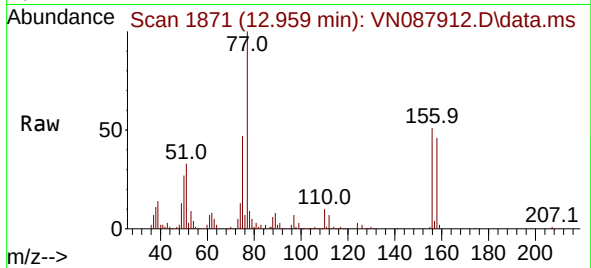
#73
Bromobenzene
Concen: 19.791 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 66464
Ion Ratio Lower Upper
156 100
77 215.7 0.0 484.2
158 95.3 0.0 186.2

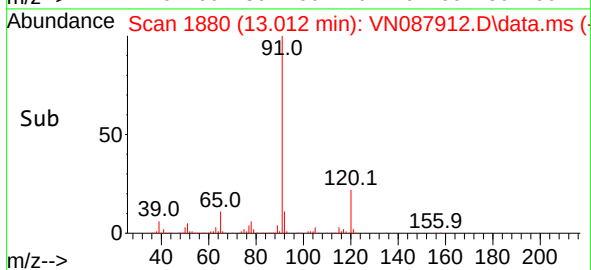
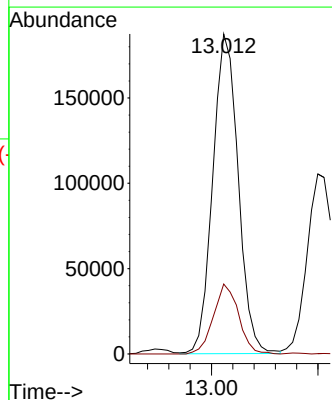
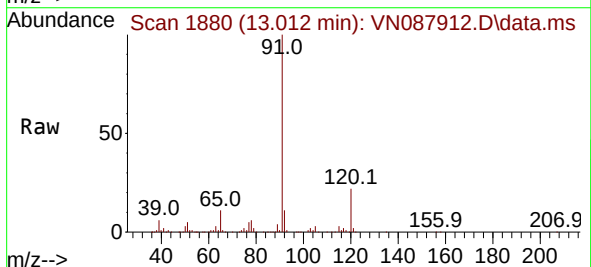
Manual Integrations
APPROVED

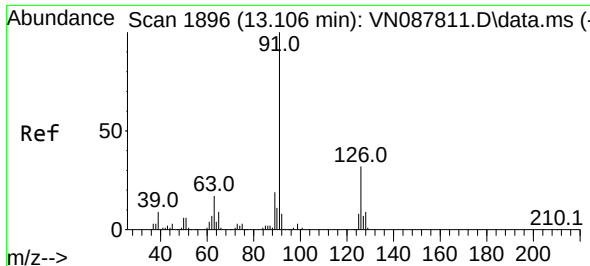
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#74
n-propylbenzene
Concen: 17.922 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 91 Resp: 310388
Ion Ratio Lower Upper
91 100
120 21.6 0.0 42.2





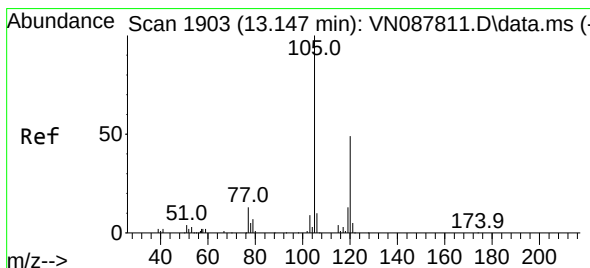
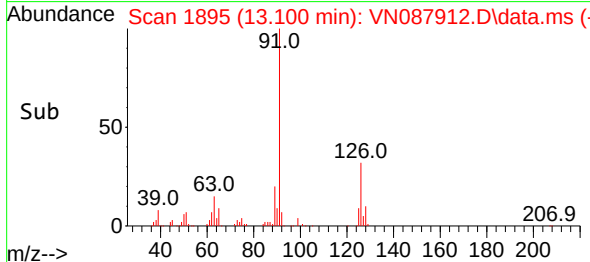
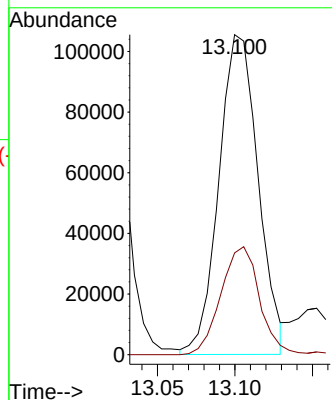
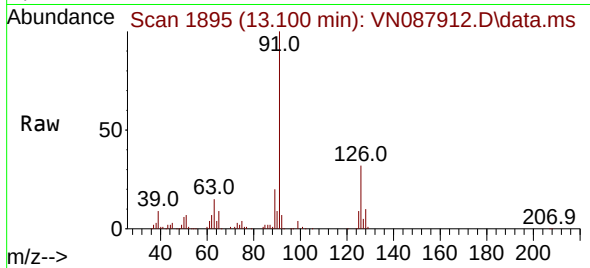
#75
2-Chlorotoluene
Concen: 17.817 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 185719
Ion Ratio Lower Upper
91 100
126 33.3 0.0 60.4

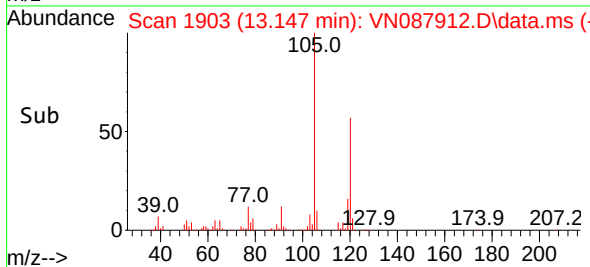
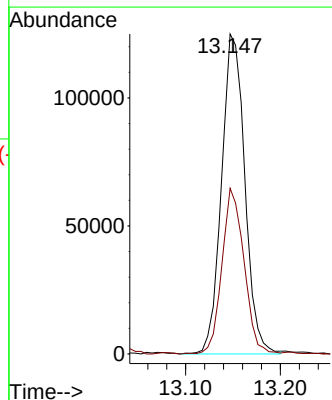
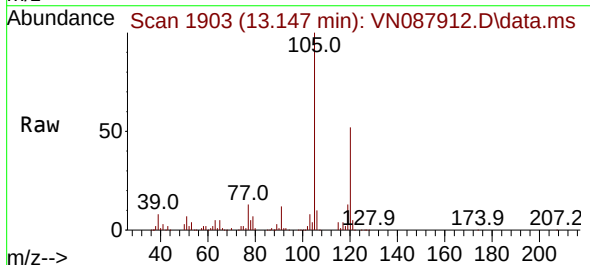
Manual Integrations
APPROVED

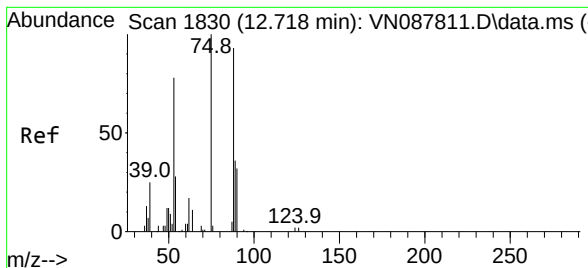
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#76
1,3,5-Trimethylbenzene
Concen: 18.427 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion:105 Resp: 213599
Ion Ratio Lower Upper
105 100
120 49.0 0.0 92.6





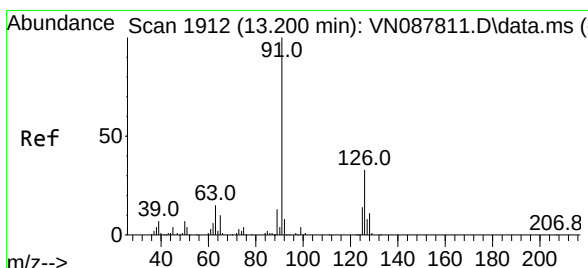
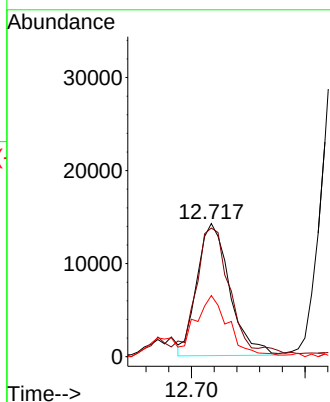
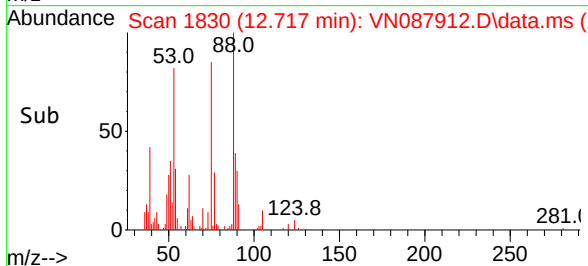
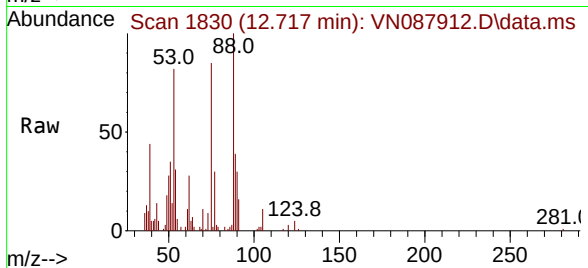
#77
t-1,4-Dichloro-2-butene
Concen: 17.424 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 28494
Ion Ratio Lower Upper
75 100
53 94.2 45.3 135.9
89 45.8 18.8 56.3

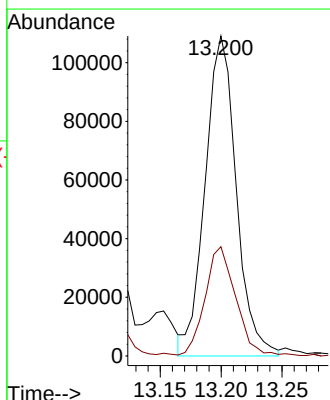
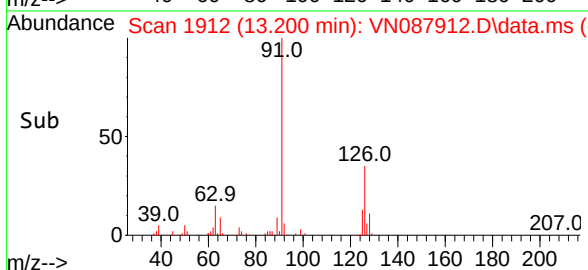
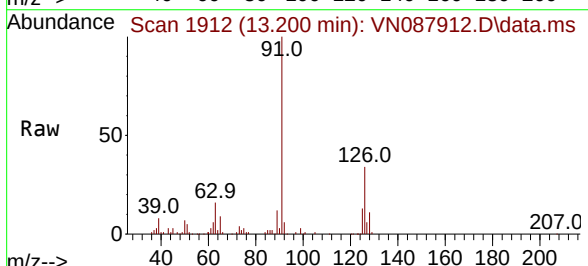
Manual Integrations
APPROVED

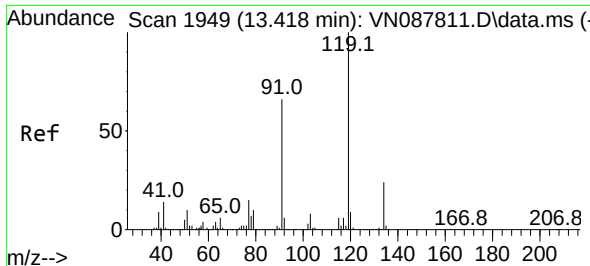
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#78
4-Chlorotoluene
Concen: 18.493 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

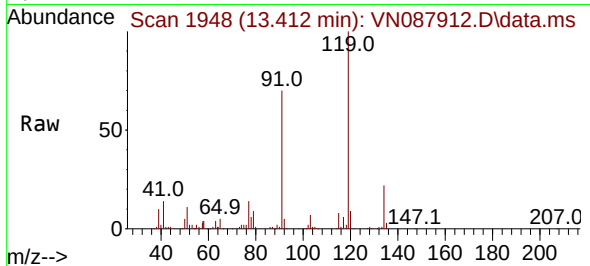
Tgt Ion: 91 Resp: 194333
Ion Ratio Lower Upper
91 100
126 33.6 0.0 67.0





#79
tert-butylbenzene
Concen: 18.510 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

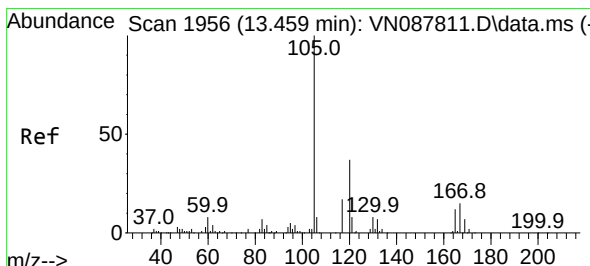
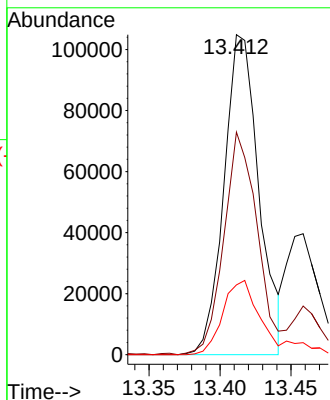
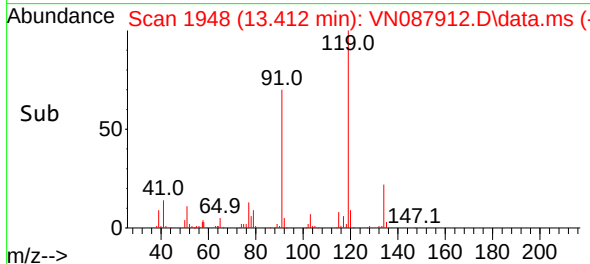
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:119 Resp: 179688
Ion Ratio Lower Upper
119 100
91 66.1 0.0 142.6
134 23.7 0.0 47.2

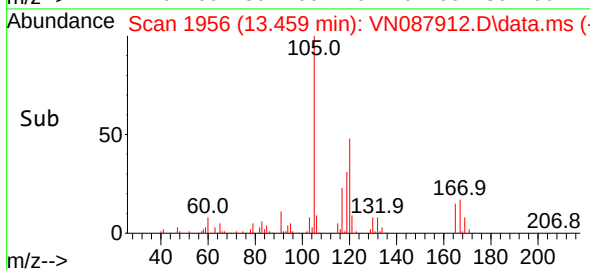
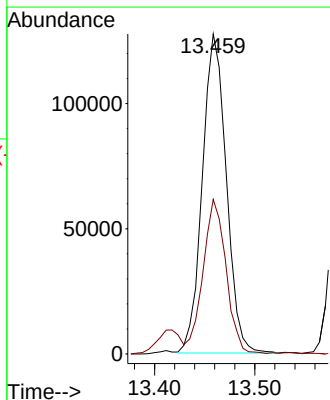
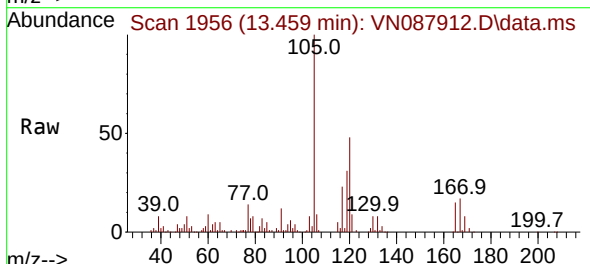
Manual Integrations
APPROVED

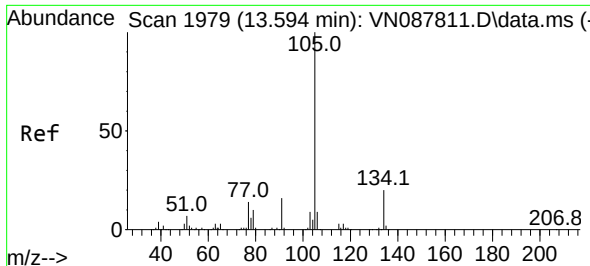
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.846 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

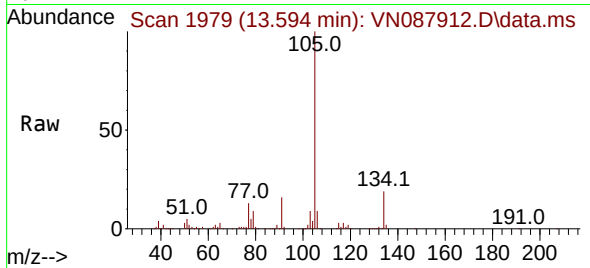
Tgt Ion:105 Resp: 212078
Ion Ratio Lower Upper
105 100
120 46.4 0.0 86.6





#81
 sec-Butylbenzene
 Concen: 18.458 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19

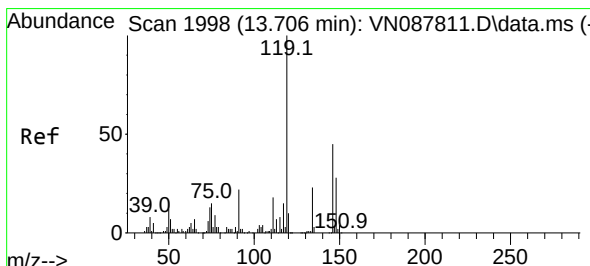
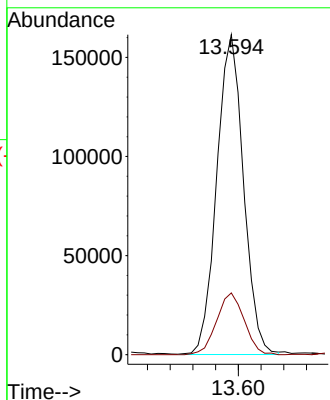
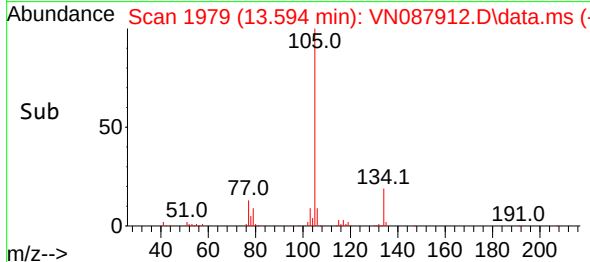
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



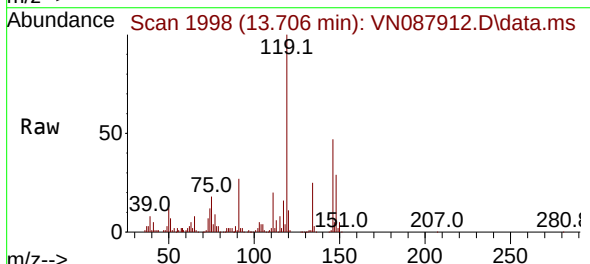
Tgt Ion:105 Resp: 263540
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 37.0

Manual Integrations
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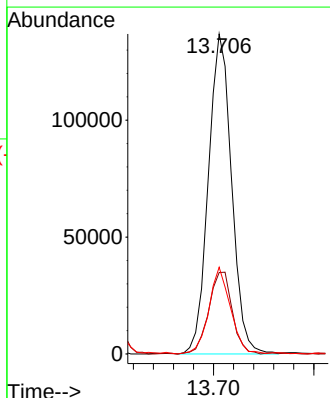
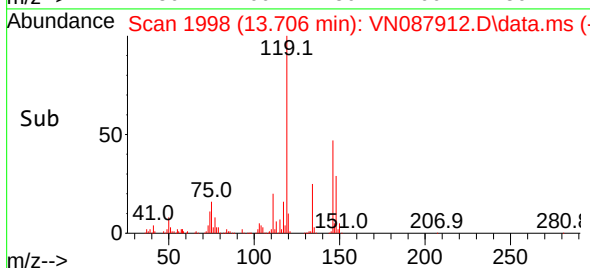
Reviewed By :John Carlone 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

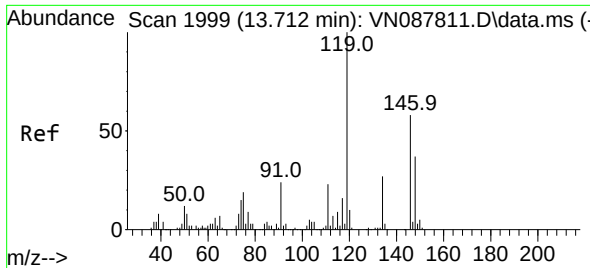


#82
 p-Isopropyltoluene
 Concen: 18.741 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087912.D
 Acq: 22 Sep 2025 10:19



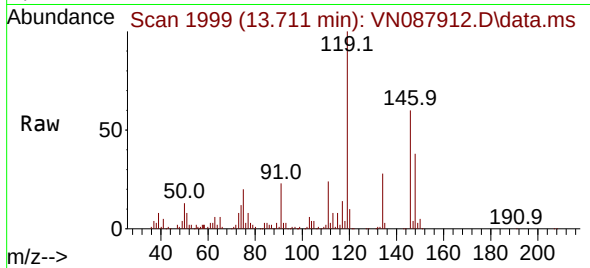
Tgt Ion:119 Resp: 220480
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 49.4
 91 24.9 0.0 52.2





#83
1,3-Dichlorobenzene
Concen: 20.249 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

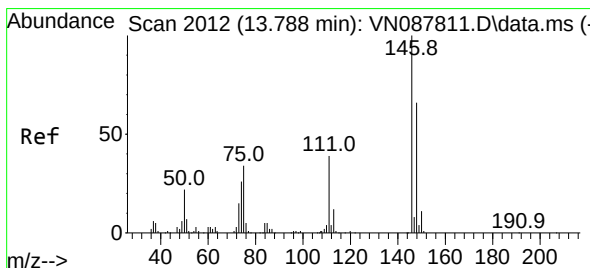
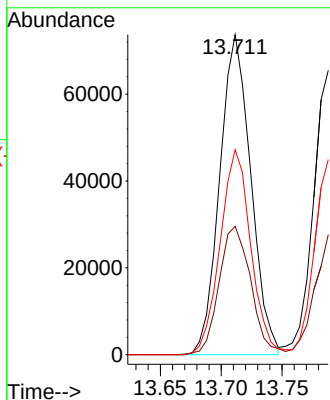
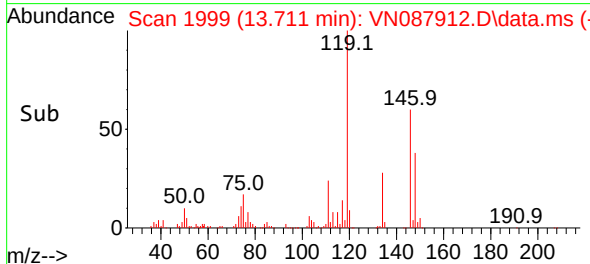
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



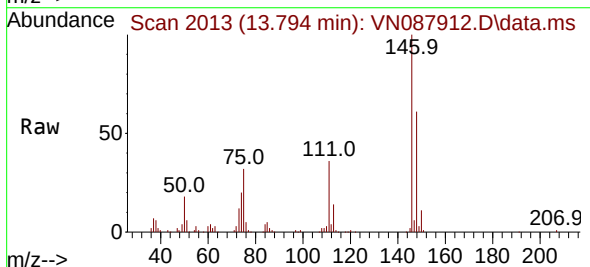
Tgt Ion:146 Resp: 13110
Ion Ratio Lower Upper
146 100
111 40.9 21.1 63.4
148 63.5 31.0 93.0

Manual Integrations
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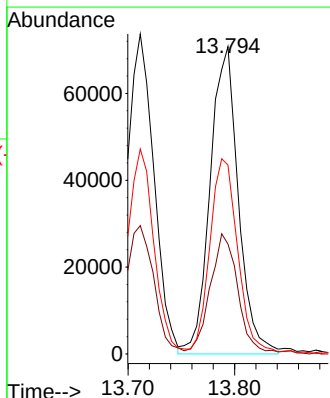
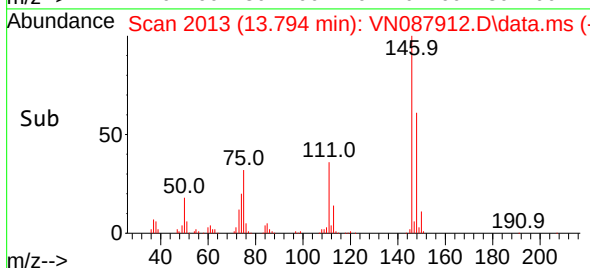
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

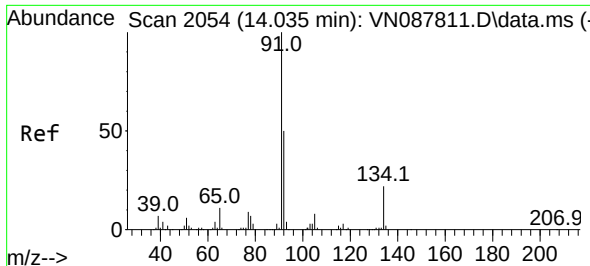


#84
1,4-Dichlorobenzene
Concen: 20.075 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19



Tgt Ion:146 Resp: 130282
Ion Ratio Lower Upper
146 100
111 38.4 20.2 60.5
148 62.2 31.5 94.5





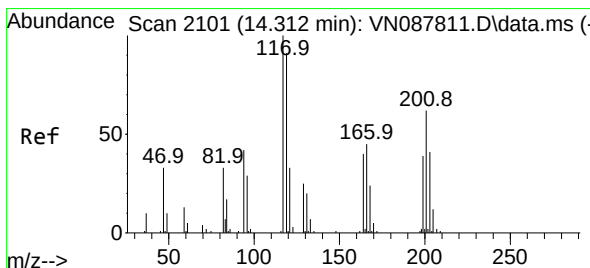
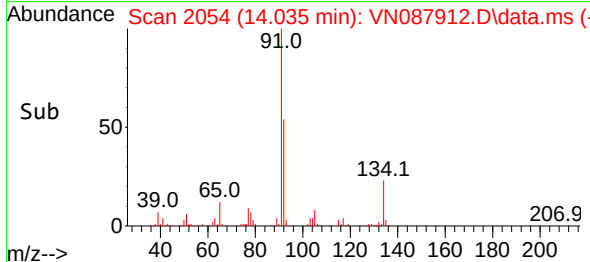
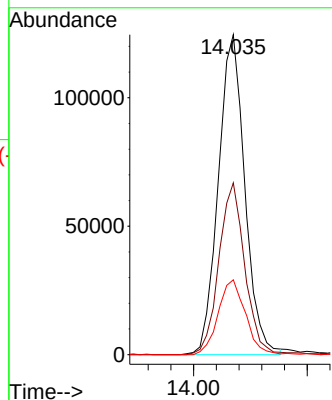
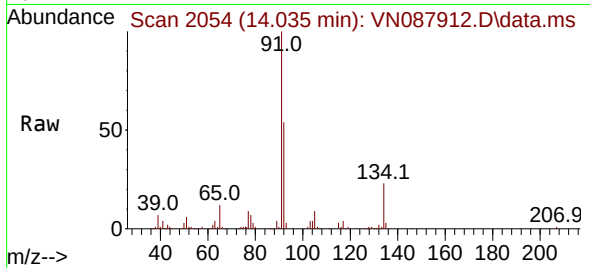
#85
n-Butylbenzene
Concen: 17.853 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 20188
Ion Ratio Lower Upper
91 100
92 52.4 0.0 104.0
134 24.0 0.0 46.0

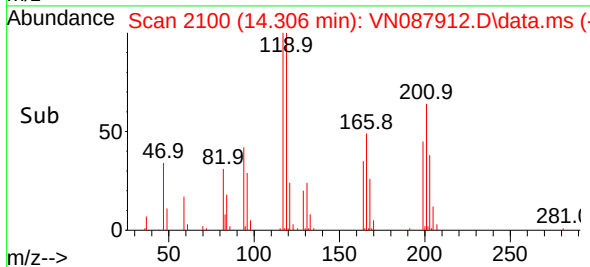
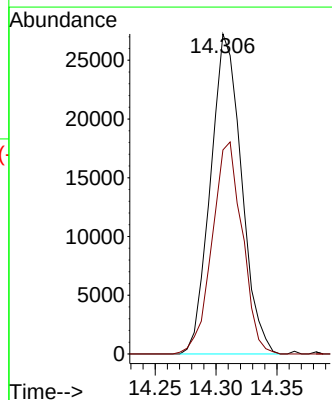
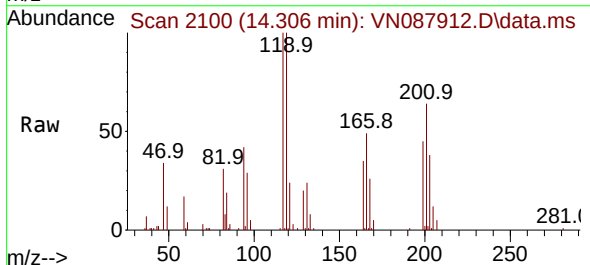
Manual Integrations
APPROVED

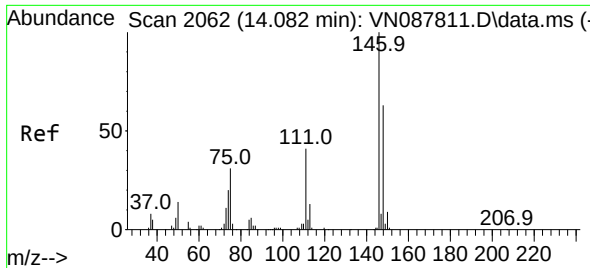
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#86
Hexachloroethane
Concen: 20.154 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

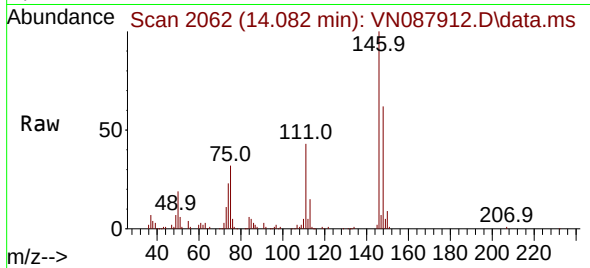
Tgt Ion:117 Resp: 48159
Ion Ratio Lower Upper
117 100
201 64.6 29.9 89.7





#87
1,2-Dichlorobenzene
Concen: 20.001 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

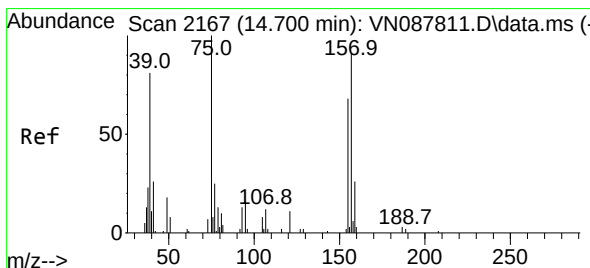
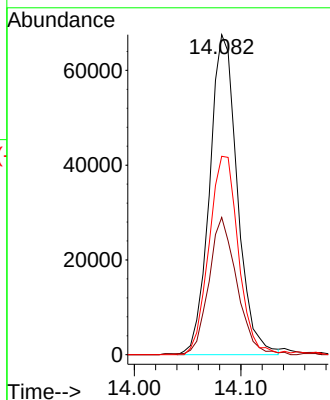
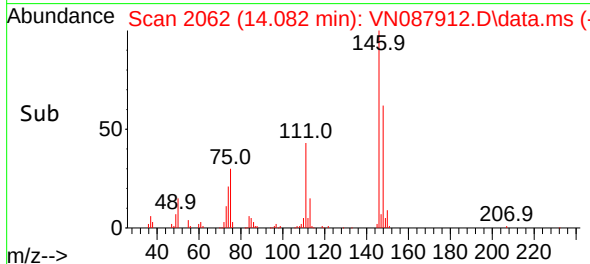
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 122135
Ion Ratio Lower Upper
146 100
111 43.1 21.5 64.5
148 65.7 33.4 100.1

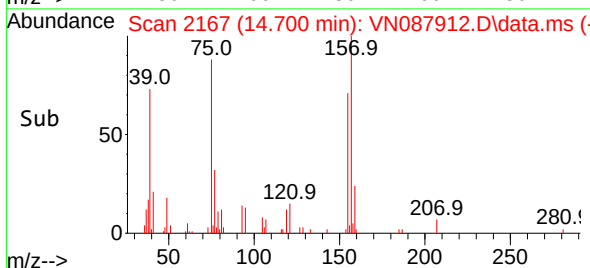
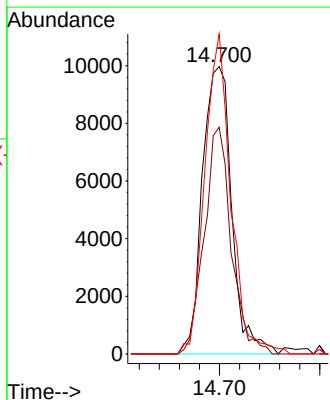
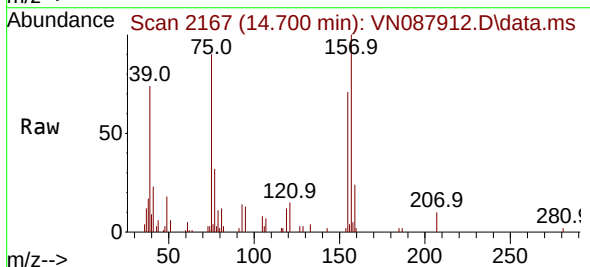
Manual Integrations
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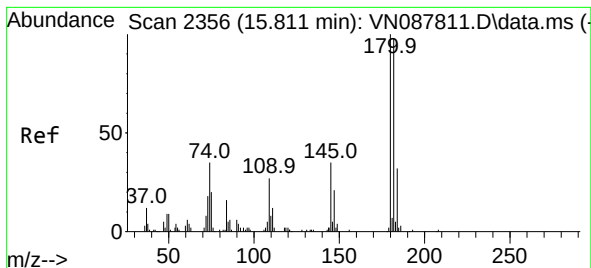
Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.502 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion: 75 Resp: 20261
Ion Ratio Lower Upper
75 100
155 72.8 53.0 79.4
157 99.2 72.2 108.4





#89

1,2,4-Trichlorobenzene

Concen: 20.423 ug/l

RT: 15.811 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

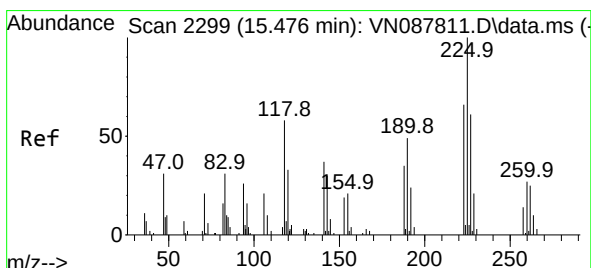
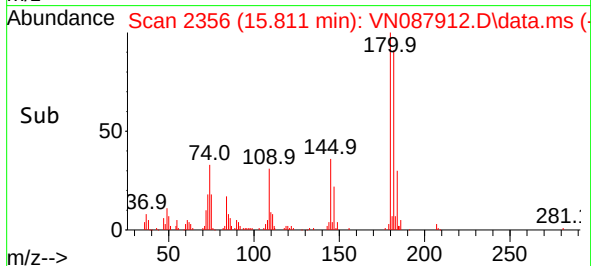
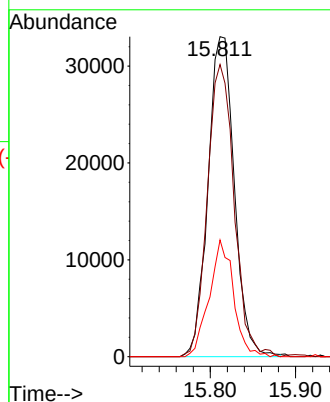
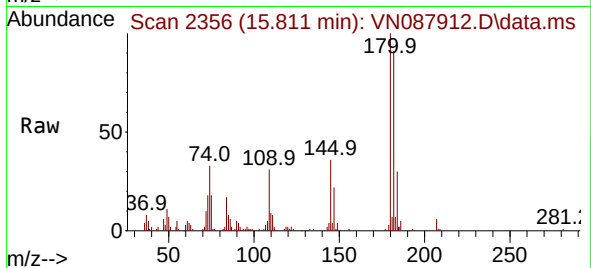
Tgt Ion:	180	Resp:	7093
Ion Ratio	Lower	Upper	
180	100		
182	92.0	74.6	111.8
145	33.6	27.4	41.0

Manual Integrations

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Reviewed By :John Carlone 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#90

Hexachlorobutadiene

Concen: 24.883 ug/l

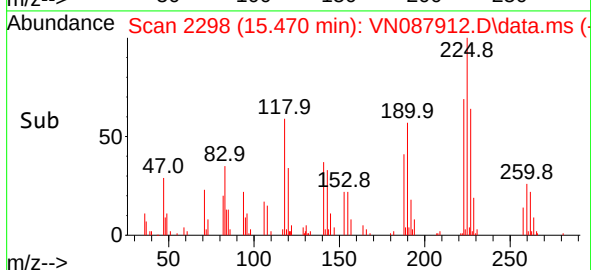
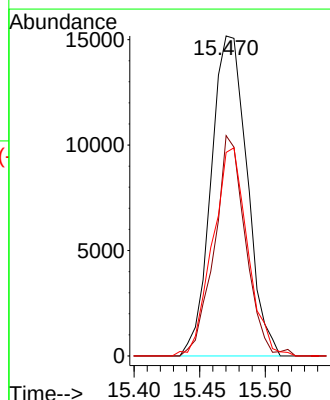
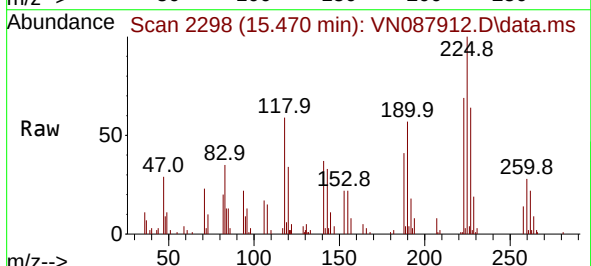
RT: 15.470 min Scan# 2298

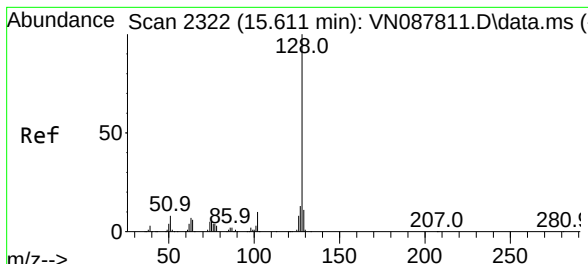
Delta R.T. -0.000 min

Lab File: VN087912.D

Acq: 22 Sep 2025 10:19

Tgt Ion:	225	Resp:	28971
Ion Ratio	Lower	Upper	
225	100		
223	59.0	0.0	118.2
227	63.0	0.0	139.0





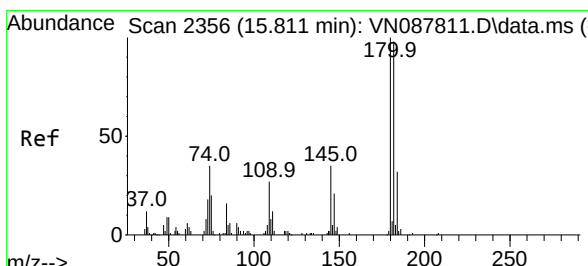
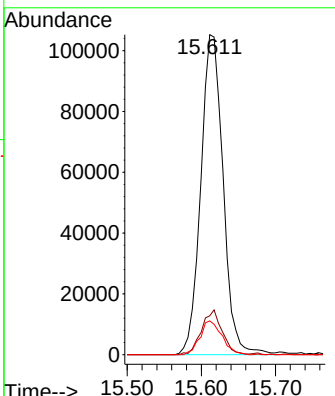
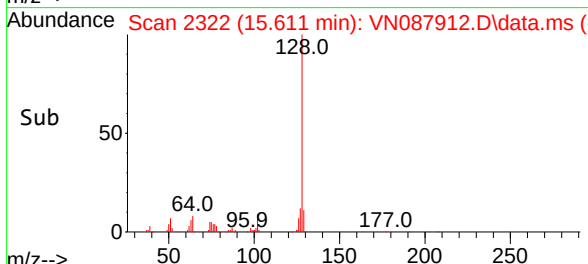
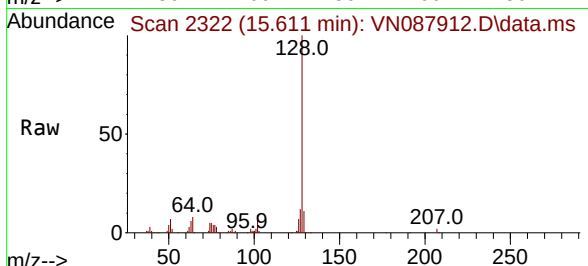
#91
Naphthalene
Concen: 17.235 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Instrument : MSVOA_N
ClientSampleId : VSTDCCC020

Tgt Ion:	128	Resp:	22036
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.4	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.423 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN087912.D
Acq: 22 Sep 2025 10:19

Tgt Ion:	180	Resp:	70931
Ion Ratio	Lower	Upper	
180	100		
182	92.0	0.0	186.4
145	33.6	0.0	68.4

