

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	46358	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	246415	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	220107	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	113605	32.525	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.400%			
60) 4-Bromofluorobenzene	12.829	95	107036	31.514	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 105.033%			
63) Toluene-d8	10.547	98	296684	30.020	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	44437	15.924	ug/l	99
3) Chloromethane	2.383	50	52502	18.420	ug/l	97
4) Vinyl Chloride	2.542	62	55153	17.804	ug/l	99
5) Bromomethane	2.977	94	32358	19.682	ug/l	88
6) Chloroethane	3.142	64	36445	21.932	ug/l	97
7) Trichlorofluoromethane	3.512	101	82490	21.710	ug/l	98
8) Diethyl Ether	3.965	74	34722m	18.599	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	44626m	15.841	ug/l	
10) 1,1-Dichloroethene	4.342	96	44111	15.708	ug/l	83
11) Methyl Iodide	4.583	142	45406	18.048	ug/l	81
12) Methyl Acetate	5.018	43	93314	21.184	ug/l	93
13) Acrolein	4.177	56	47724	70.510	ug/l	99
14) Acrylonitrile	5.706	53	191174	93.047	ug/l	98
15) Acetone	4.424	58	53705	89.609	ug/l	83
16) Carbon Disulfide	4.706	76	121756	14.829	ug/l	100
17) Allyl chloride	5.018	41	85793	18.523	ug/l	94
18) Methylene Chloride	5.271	84	62718	19.279	ug/l	96
19) trans-1,2-Dichloroethene	5.771	96	51726	16.843	ug/l	96
20) Diisopropyl ether	6.659	45	205164	20.878	ug/l	97
21) 1,1-Dichloroethane	6.553	63	111760	19.029	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	66017	18.471	ug/l	99
23) tert-Butyl Alcohol	5.524	59	69826	90.368	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	196135	19.914	ug/l	98
25) Chloroform	7.953	83	113716	20.210	ug/l	99
26) Cyclohexane	8.241	56	80329	16.454	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	73342	19.096	ug/l	98
30) 2-Butanone	7.471	43	271343	104.734	ug/l	96
31) 2,2-Dichloropropane	7.477	77	92394	19.929	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	94489	21.058	ug/l	99
33) Carbon Tetrachloride	8.341	117	79595	21.079	ug/l	97
34) Benzene	8.588	78	236944	19.473	ug/l	96
35) Methacrylonitrile	7.765	41	56967	21.818	ug/l	94
36) 1,2-Dichloroethane	8.653	62	88492	22.510	ug/l	100
37) Trichloroethene	9.335	130	52709	18.781	ug/l	100
38) Methylcyclohexane	9.583	83	79927	18.137	ug/l	97
39) 1,2-Dichloropropane	9.600	63	62218	20.373	ug/l	97
40) Dibromomethane	9.688	93	44019	21.197	ug/l	96
41) Bromodichloromethane	9.871	83	91595	21.852	ug/l #	98
42) Vinyl Acetate	6.595	43	836803	99.305	ug/l	99

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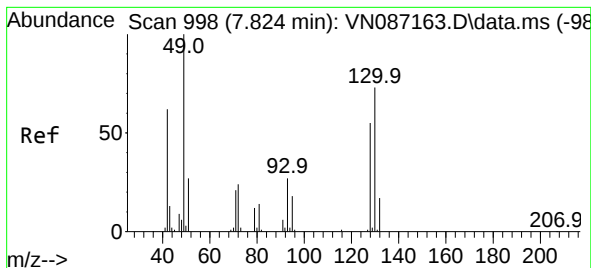
Manual Integrations
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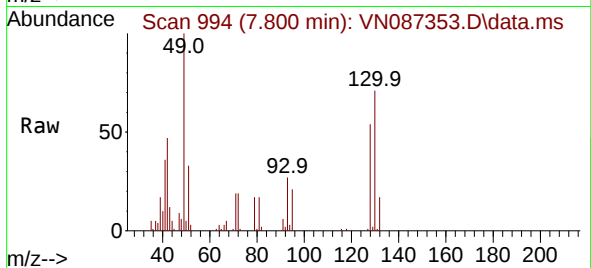
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	104626	22.371	ug/l	94
44) Isopropyl Acetate	8.677	43	164459	21.582	ug/l	98
45) 1,4-Dioxane	9.677	88	22450	435.529	ug/l	98
46) Methyl methacrylate	9.665	41	76833	21.690	ug/l	90
47) n-amyl Acetate	12.518	43	110510m	23.721	ug/l	
48) t-1,3-Dichloropropene	10.818	75	96762	20.708	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	100992	20.330	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	59421	20.144	ug/l	96
51) Ethyl methacrylate	10.853	69	95191	21.202	ug/l	95
52) 1,3-Dichloropropane	11.141	76	106028	20.936	ug/l	99
53) Dibromochloromethane	11.341	129	68283	22.052	ug/l	97
54) 1,2-Dibromoethane	11.447	107	60238	19.793	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	263740	102.481	ug/l	99
56) Bromoform	12.559	173	44831	21.061	ug/l #	99
58) 4-Methyl-2-Pentanone	10.430	43	522358	118.048	ug/l	97
59) 2-Hexanone	11.177	43	359424	125.791	ug/l	91
61) Tetrachloroethene	11.082	164	45226	20.748	ug/l	98
62) Toluene	10.612	91	248127	19.960	ug/l	99
64) Chlorobenzene	11.871	112	160479	20.238	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.941	131	58313	22.256	ug/l	96
66) Ethyl Benzene	11.941	91	267868	19.686	ug/l	98
67) m/p-Xylenes	12.053	106	208770	40.039	ug/l	100
68) o-Xylene	12.376	106	101235	20.351	ug/l	100
69) Styrene	12.388	104	170293	19.940	ug/l	98
70) Isopropylbenzene	12.676	105	258198	20.841	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	91263	20.465	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	88323m	22.968	ug/l	
73) Bromobenzene	12.959	156	65368	21.751	ug/l	92
74) n-propylbenzene	13.018	91	310937	20.544	ug/l	98
75) 2-Chlorotoluene	13.106	91	187392	20.493	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	215176	21.335	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	32334	18.956	ug/l	94
78) 4-Chlorotoluene	13.200	91	198075	21.150	ug/l	99
79) tert-butylbenzene	13.418	119	182171	21.488	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	217511	21.477	ug/l	96
81) sec-Butylbenzene	13.594	105	264335	21.448	ug/l	98
82) p-Isopropyltoluene	13.706	119	227385	22.171	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	123794	21.391	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	117522	20.178	ug/l	93
85) n-Butylbenzene	14.035	91	209441	22.382	ug/l	99
86) Hexachloroethane	14.312	117	42865	22.079	ug/l	93
87) 1,2-Dichlorobenzene	14.082	146	117001	21.442	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	19921	19.839	ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	68248	22.107	ug/l	99
90) Hexachlorobutadiene	15.470	225	28055	30.624	ug/l	96
91) Naphthalene	15.617	128	248488	20.451	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	68248	22.107	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 998
Delta R.T. -0.024 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

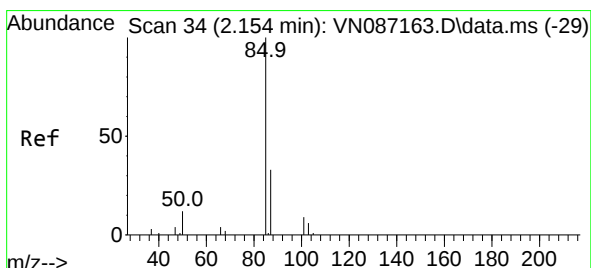
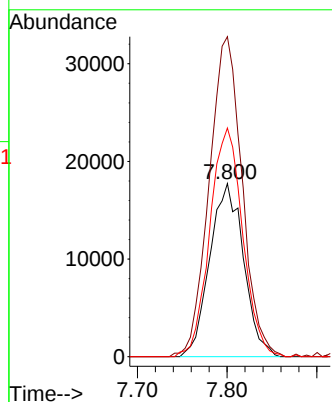
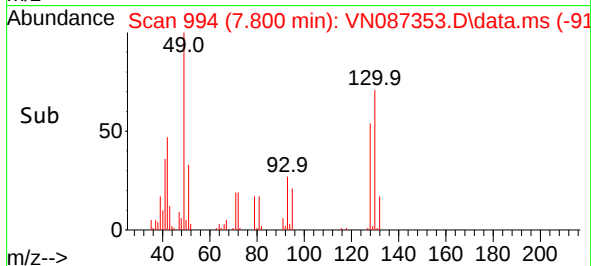
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 46358
Ion Ratio Lower Upper
128 100
49 180.1 0.0 450.5
130 128.7 0.0 320.7

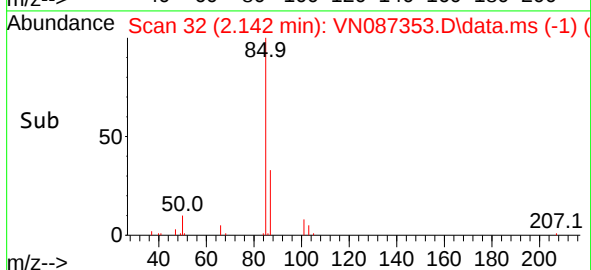
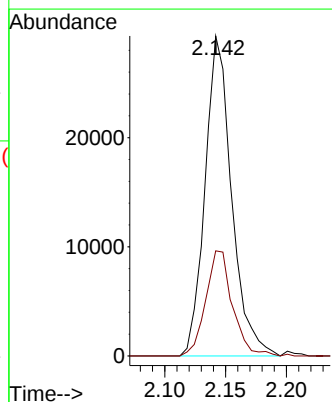
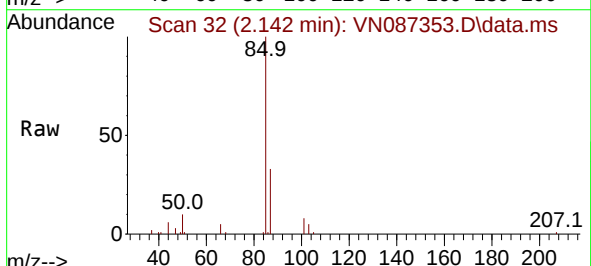
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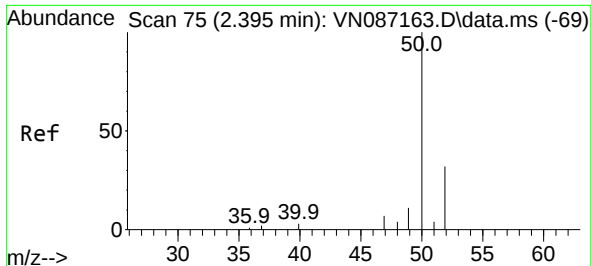
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#2
Dichlorodifluoromethane
Concen: 15.924 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 85 Resp: 44437
Ion Ratio Lower Upper
85 100
87 32.9 16.7 50.0





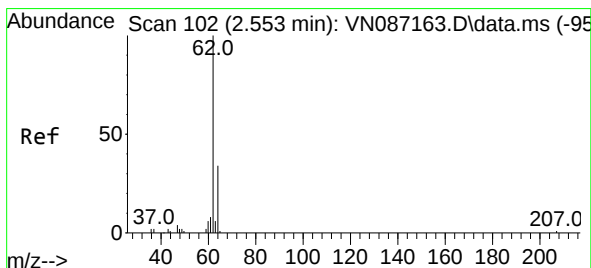
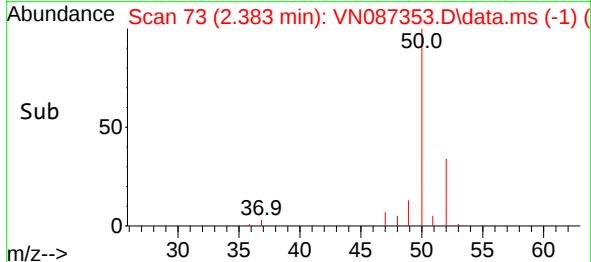
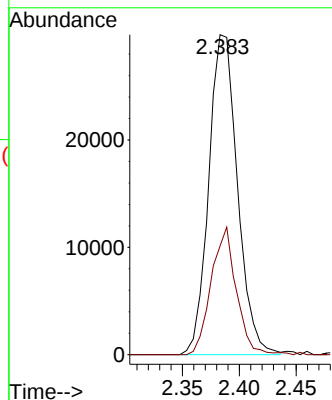
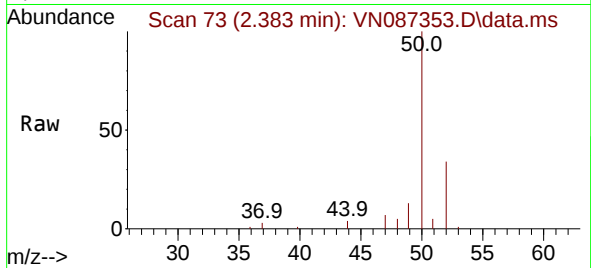
#3
Chloromethane
Concen: 18.420 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
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VSTDCCC020

Tgt Ion: 50 Resp: 5250
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9

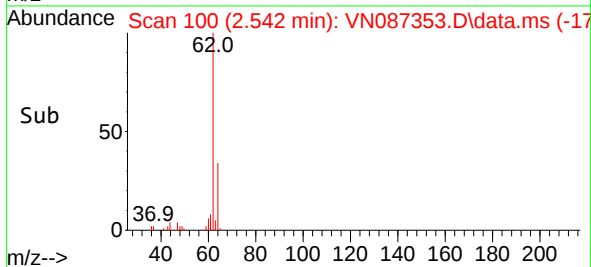
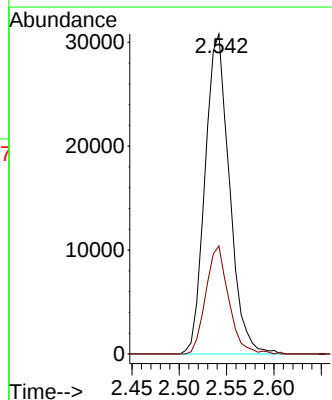
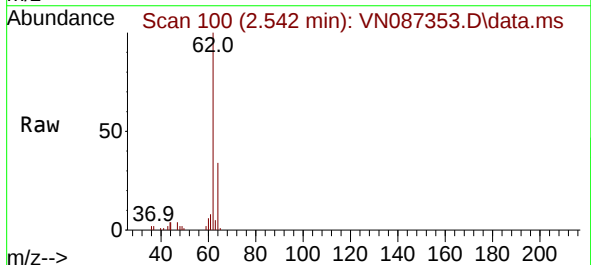
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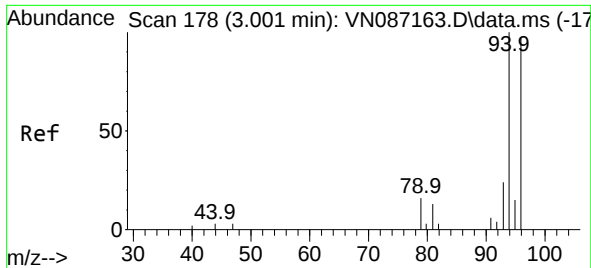
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#4
Vinyl Chloride
Concen: 17.804 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 62 Resp: 55153
Ion Ratio Lower Upper
62 100
64 33.8 27.4 41.2





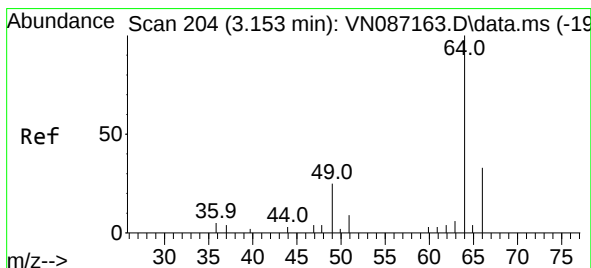
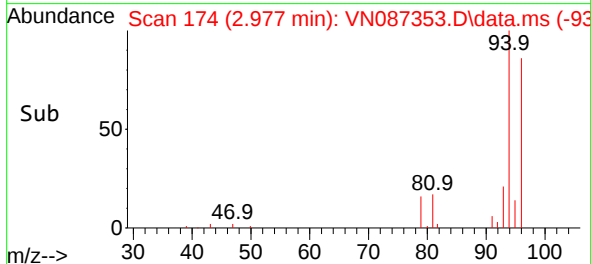
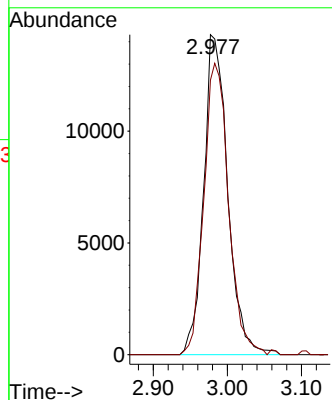
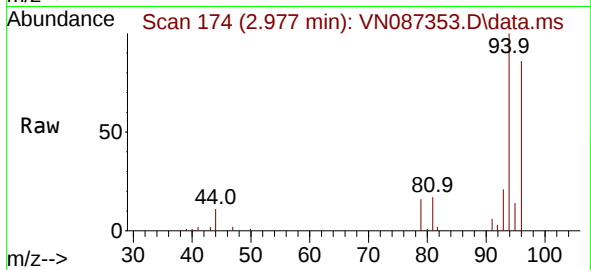
#5
Bromomethane
Concen: 19.682 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

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Tgt Ion: 94 Resp: 32358
Ion Ratio Lower Upper
94 100
96 85.8 77.9 116.9

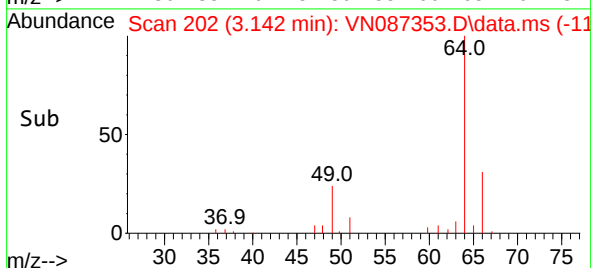
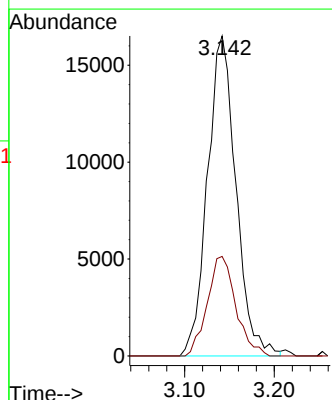
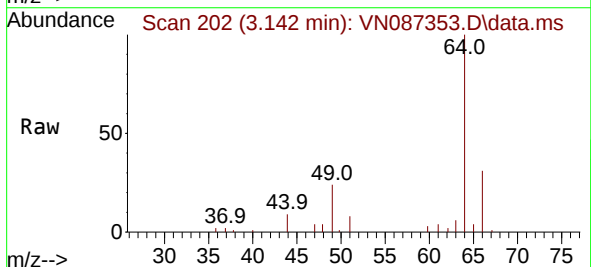
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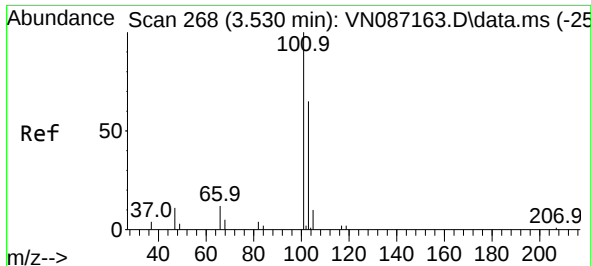
Reviewed By :John Carlone 07/21/2025
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#6
Chloroethane
Concen: 21.932 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

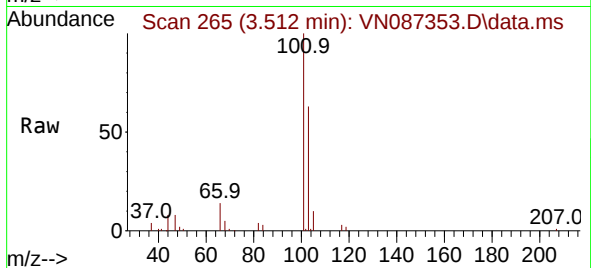
Tgt Ion: 64 Resp: 36445
Ion Ratio Lower Upper
64 100
66 31.1 26.4 39.6





#7
Trichlorofluoromethane
Concen: 21.710 ug/l
RT: 3.512 min Scan# 20
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

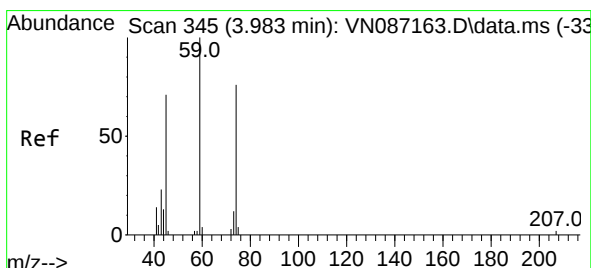
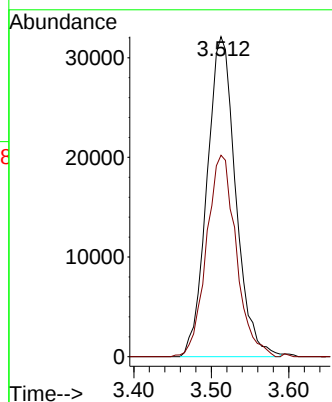
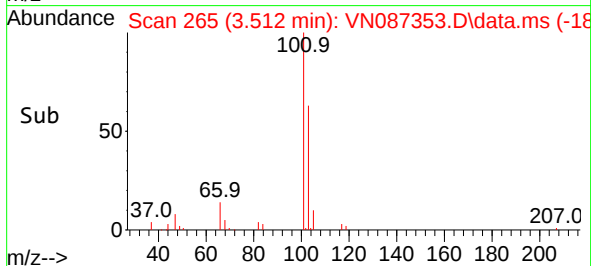
Instrument :
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Tgt Ion:101 Resp: 82490
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.8

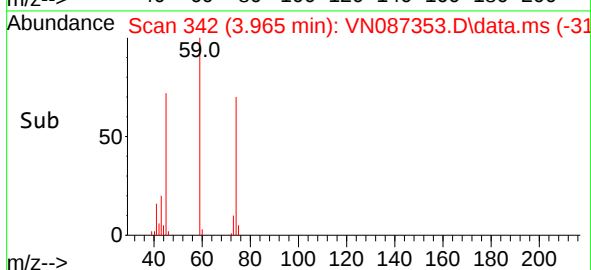
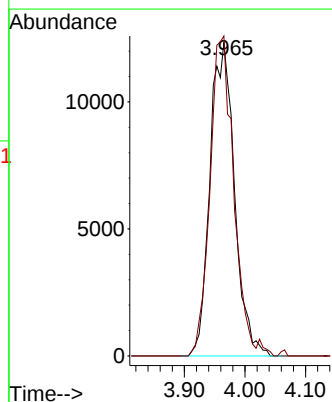
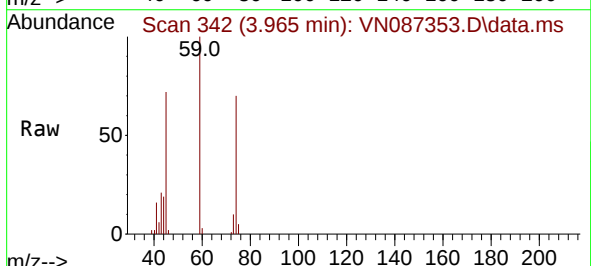
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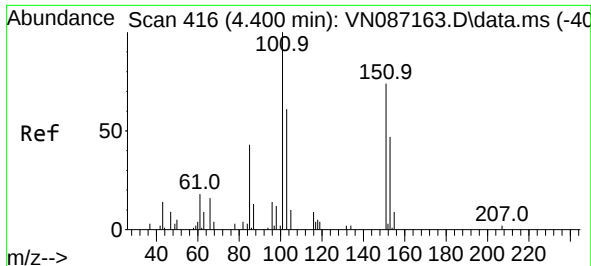
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#8
Diethyl Ether
Concen: 18.599 ug/l m
RT: 3.965 min Scan# 342
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 74 Resp: 34722
Ion Ratio Lower Upper
74 100
45 97.8 19.0 171.0





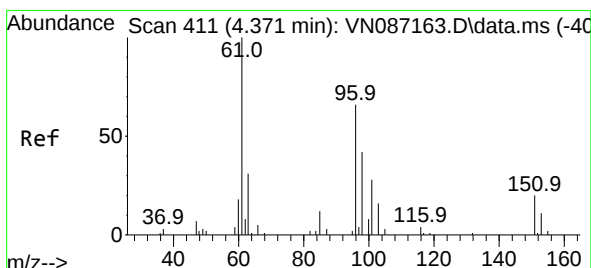
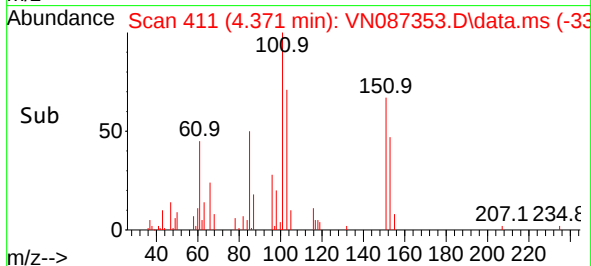
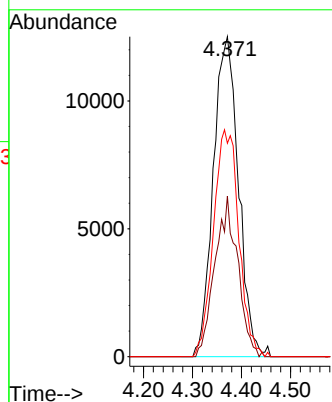
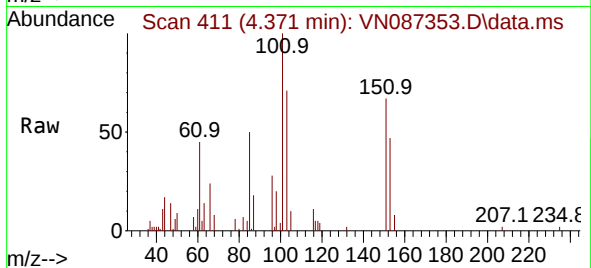
#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.841 ug/l m
RT: 4.371 min Scan# 416
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 44620
Ion Ratio Lower Upper
101 100
85 0.1 0.0 40.6
151 0.1 0.0 141.2

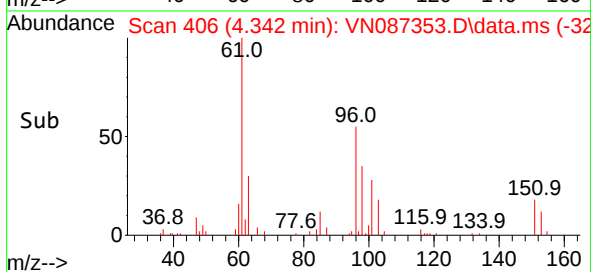
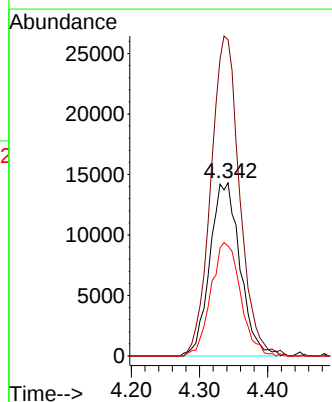
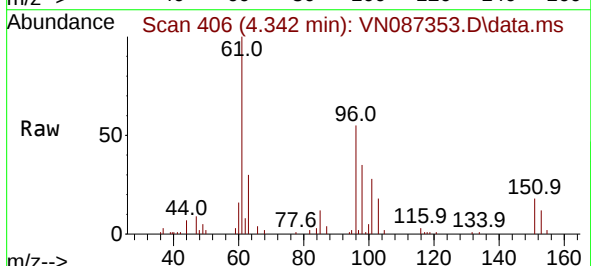
Manual Integrations
APPROVED

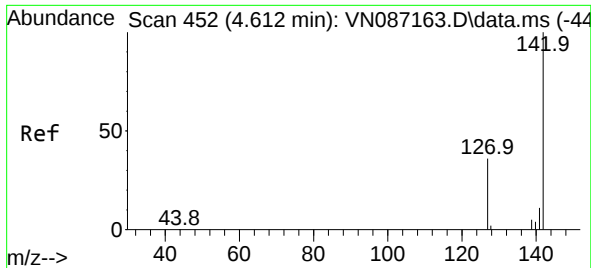
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#10
1,1-Dichloroethene
Concen: 15.708 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

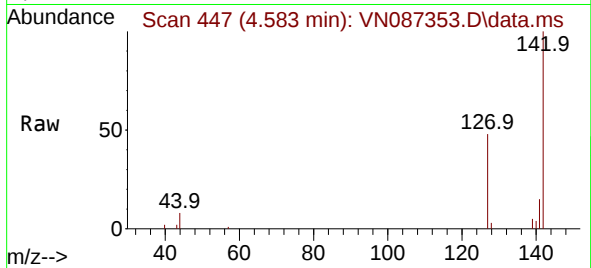
Tgt Ion: 96 Resp: 44111
Ion Ratio Lower Upper
96 100
61 182.6 122.0 183.0
98 63.5 50.3 75.5





#11
Methyl Iodide
Concen: 18.048 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

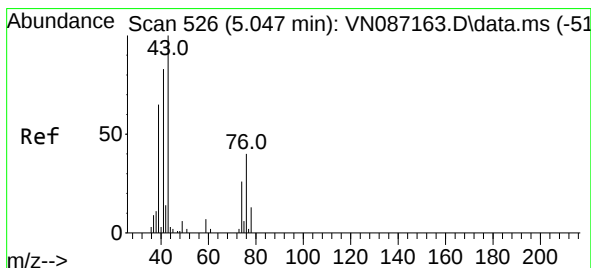
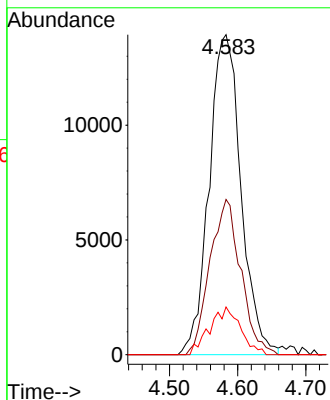
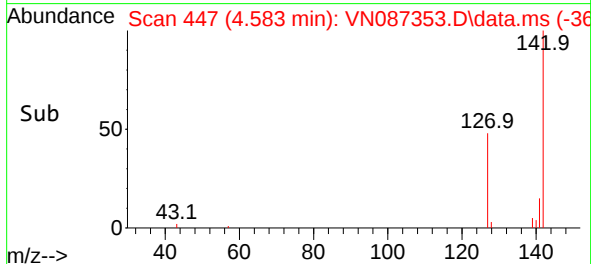
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 45400
Ion Ratio Lower Upper
142 100
127 49.0 18.1 54.1
141 15.1 5.7 17.1

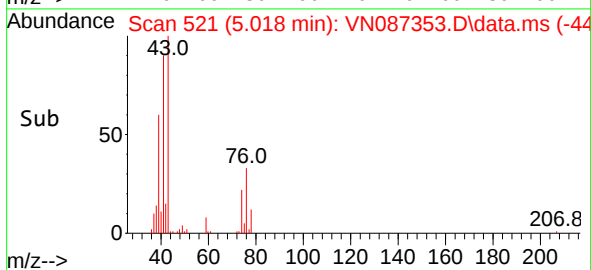
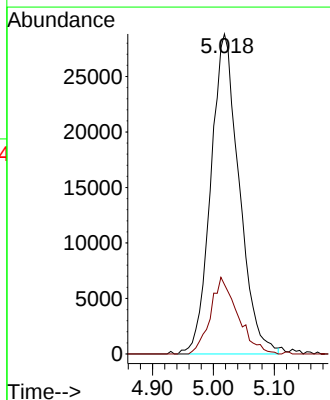
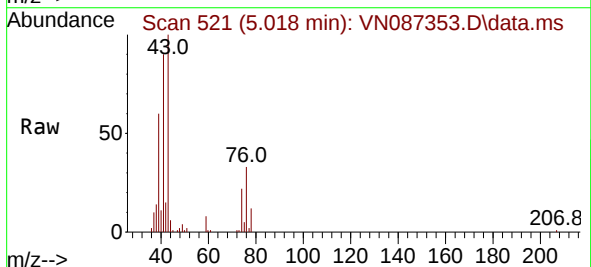
Manual Integrations
APPROVED

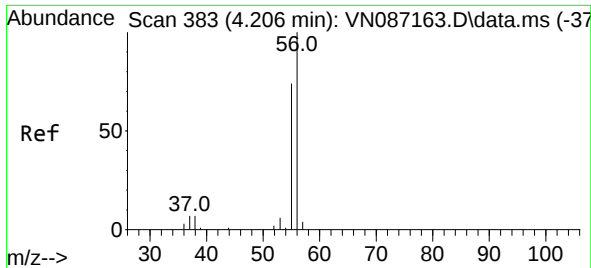
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#12
Methyl Acetate
Concen: 21.184 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 43 Resp: 93314
Ion Ratio Lower Upper
43 100
74 21.9 20.3 30.5





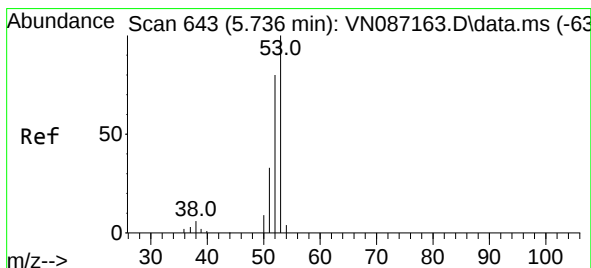
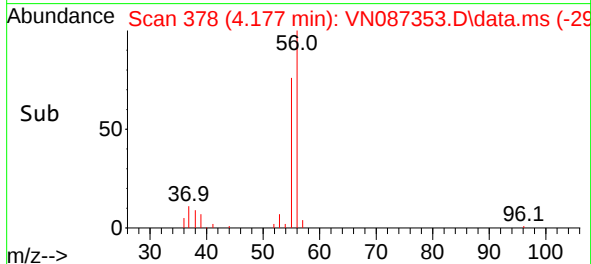
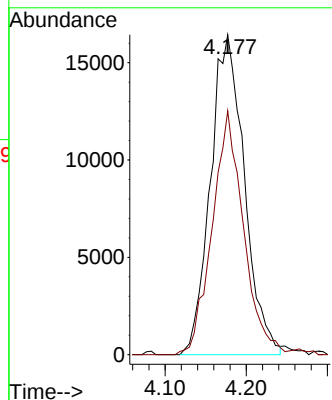
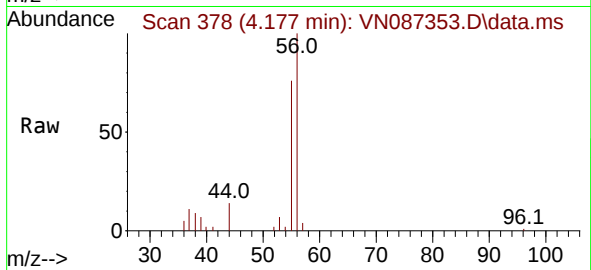
#13
Acrolein
Concen: 70.510 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 47724
Ion Ratio Lower Upper
56 100
55 70.2 55.7 83.5

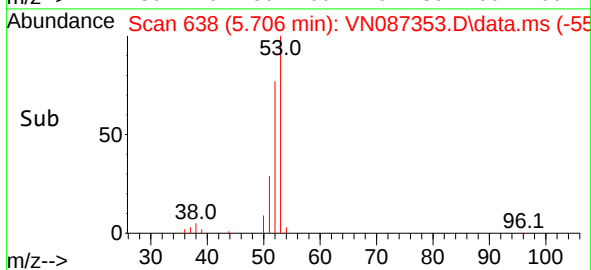
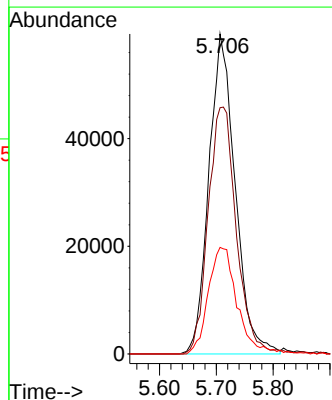
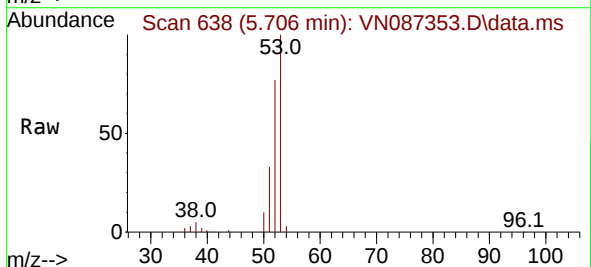
Manual Integrations
APPROVED

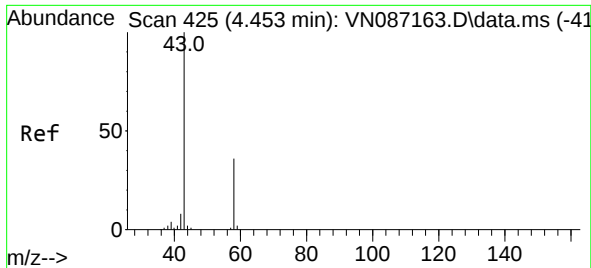
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#14
Acrylonitrile
Concen: 93.047 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

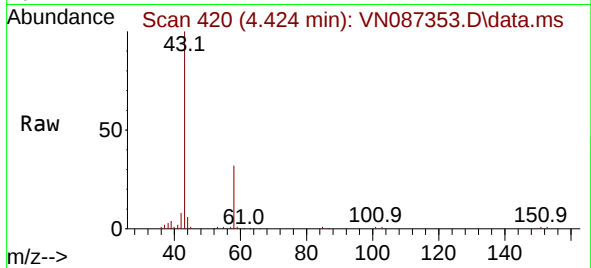
Tgt Ion: 53 Resp: 191174
Ion Ratio Lower Upper
53 100
52 81.9 40.5 121.5
51 35.3 16.9 50.7





#15
Acetone
Concen: 89.609 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

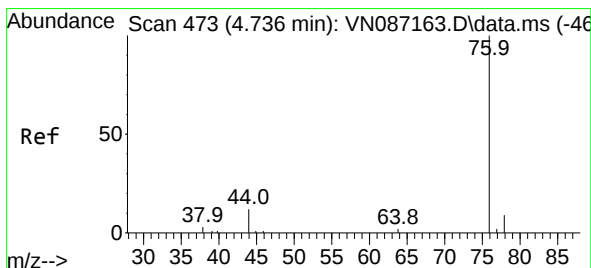
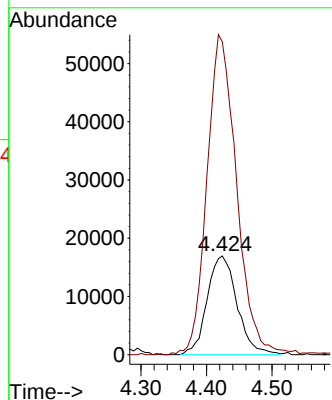
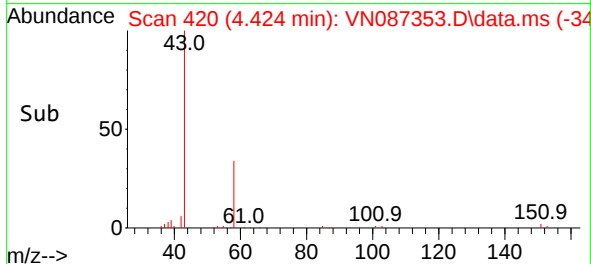
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



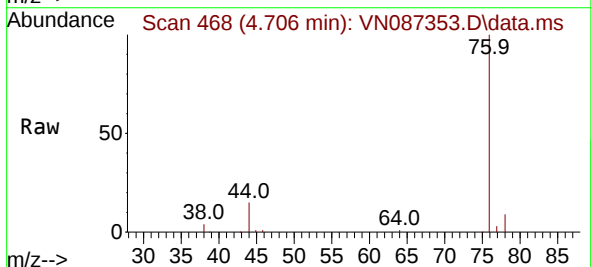
Tgt Ion: 58 Resp: 5370
Ion Ratio Lower Upper
58 100
43 312.9 224.3 336.5

Manual Integrations
APPROVED

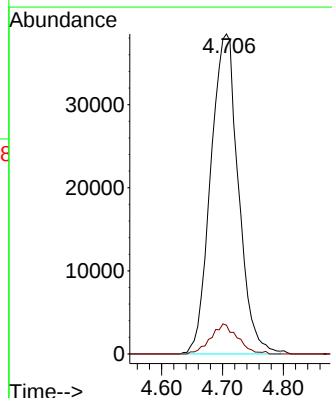
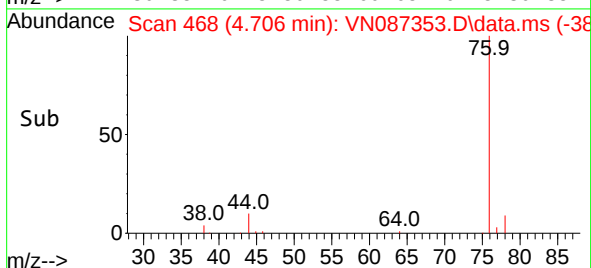
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

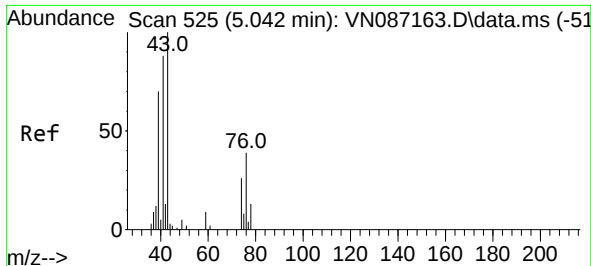


#16
Carbon Disulfide
Concen: 14.829 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



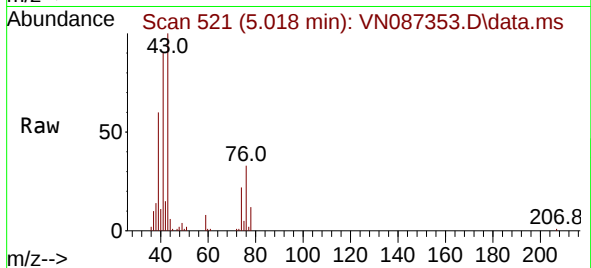
Tgt Ion: 76 Resp: 121756
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#17
Allyl chloride
Concen: 18.523 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

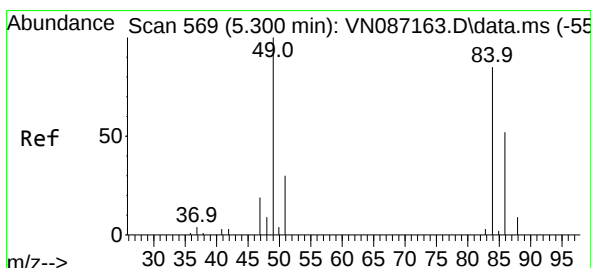
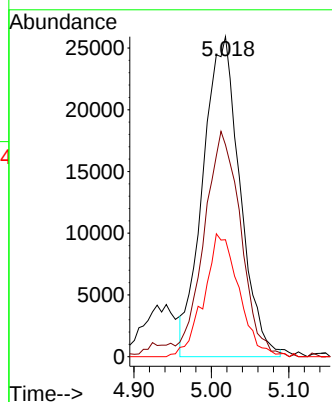
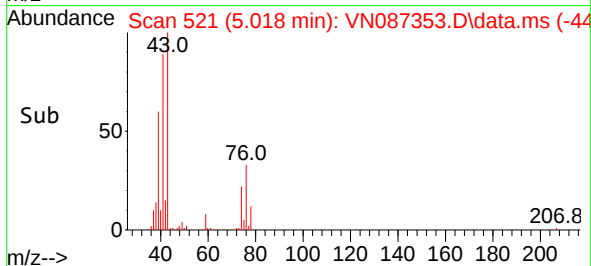
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 8579
Ion Ratio Lower Upper
41 100
39 66.5 36.0 108.0
76 36.5 19.5 58.5

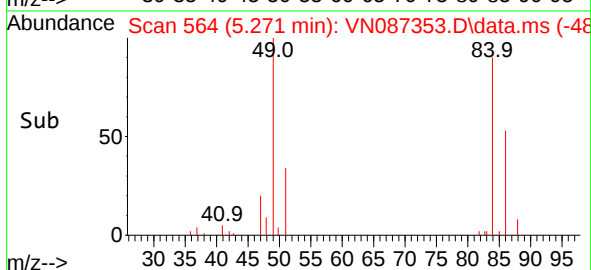
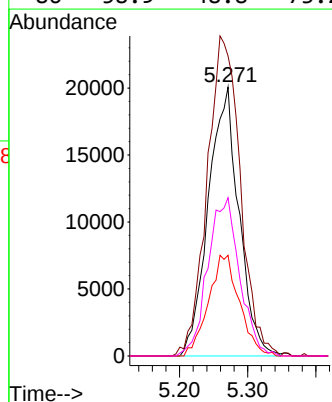
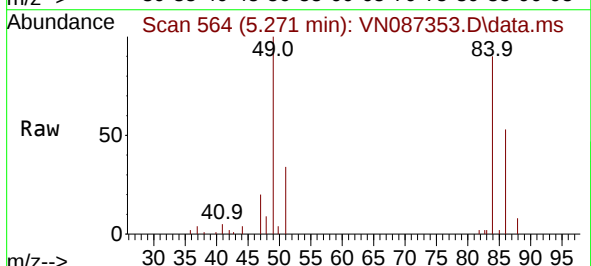
Manual Integrations
APPROVED

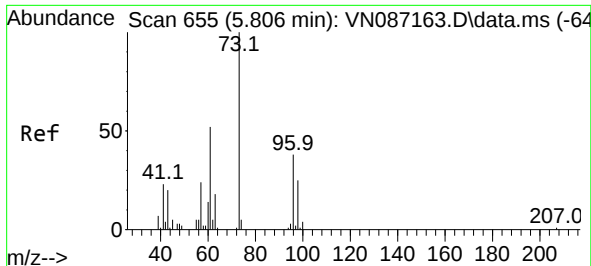
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#18
Methylene Chloride
Concen: 19.279 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

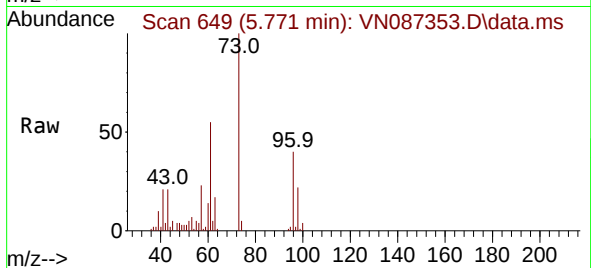
Tgt Ion: 84 Resp: 62718
Ion Ratio Lower Upper
84 100
49 111.6 94.0 141.0
51 37.5 28.3 42.5
86 58.9 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 16.843 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.035 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

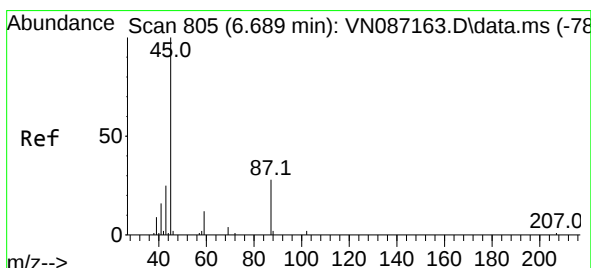
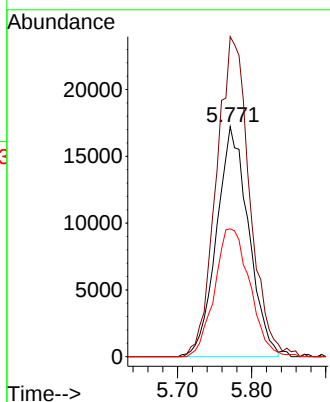
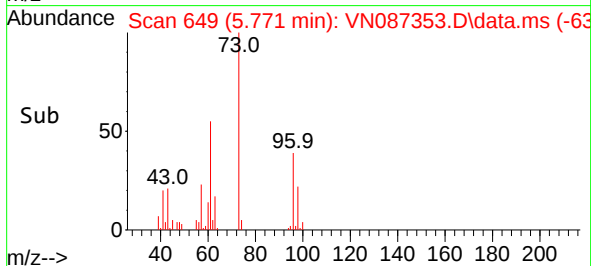
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 51720
Ion Ratio Lower Upper
96 100
61 139.1 110.3 165.5
98 55.6 51.6 77.4

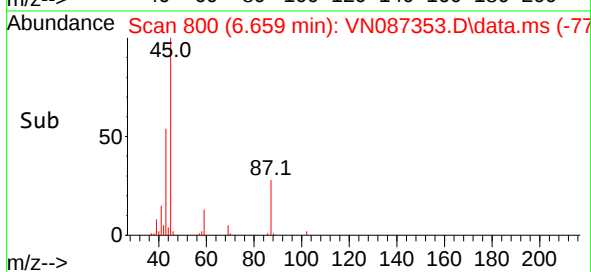
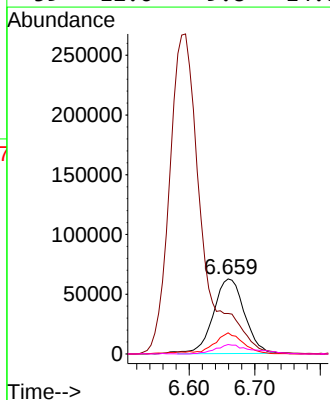
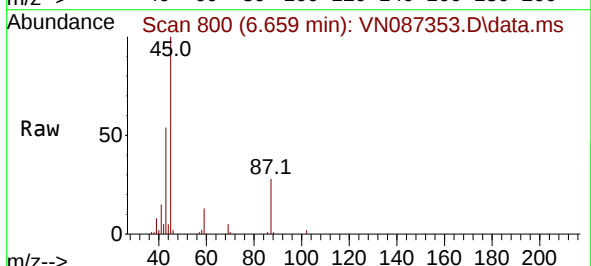
Manual Integrations
APPROVED

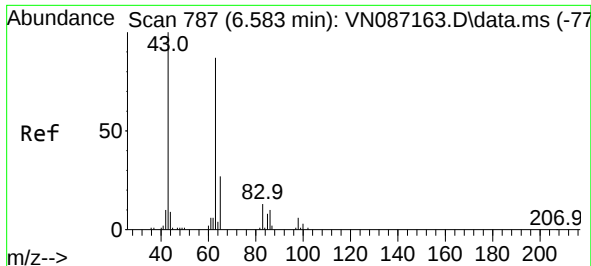
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#20
Diisopropyl ether
Concen: 20.878 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 45 Resp: 205164
Ion Ratio Lower Upper
45 100
43 52.6 45.3 67.9
87 28.0 22.6 33.8
59 12.6 9.8 14.8





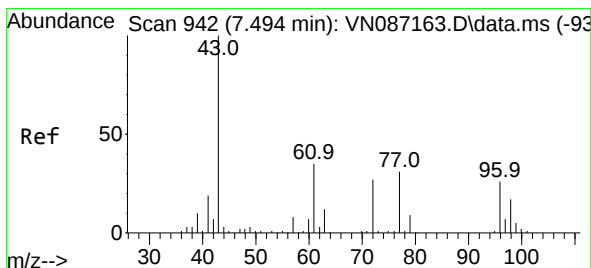
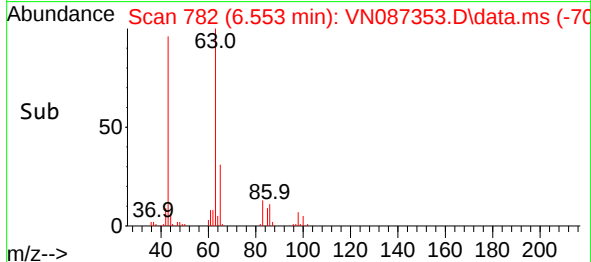
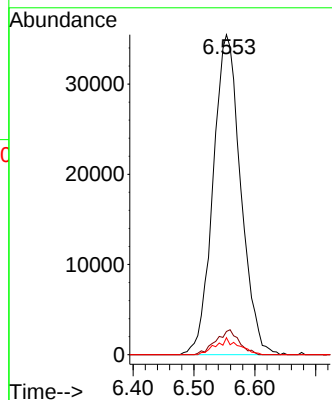
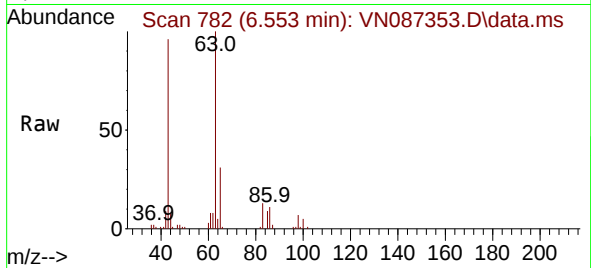
#21
1,1-Dichloroethane
Concen: 19.029 ug/l
RT: 6.553 min Scan# 71
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 111760
Ion Ratio Lower Upper
63 100
98 7.2 3.5 10.4
100 5.3 2.0 5.8

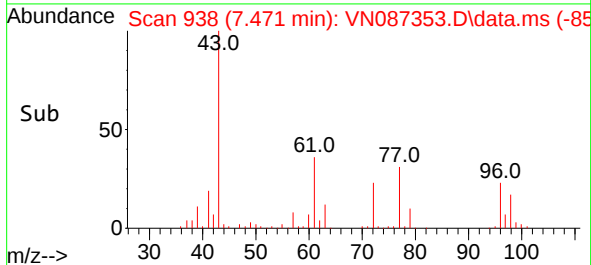
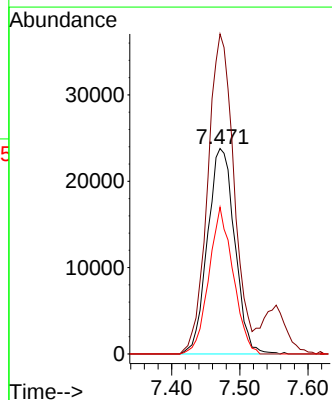
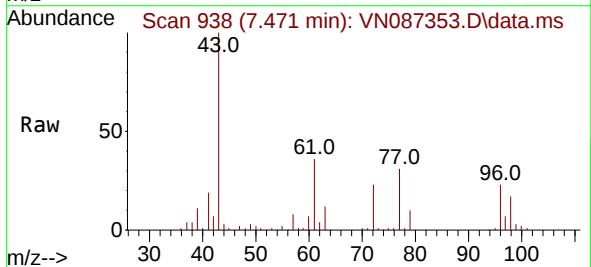
Manual Integrations
APPROVED

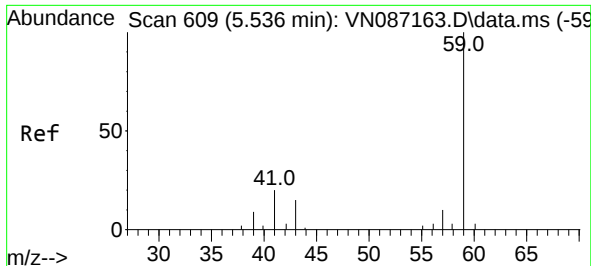
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#22
cis-1,2-Dichloroethene
Concen: 18.471 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 96 Resp: 66017
Ion Ratio Lower Upper
96 100
61 150.2 119.2 178.8
98 63.7 50.6 75.8





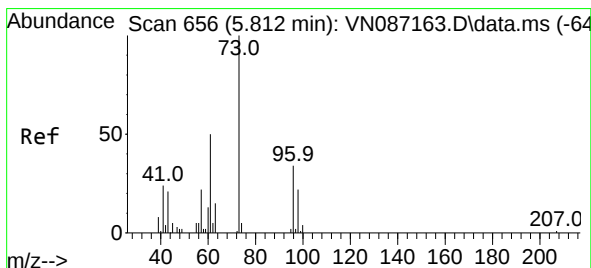
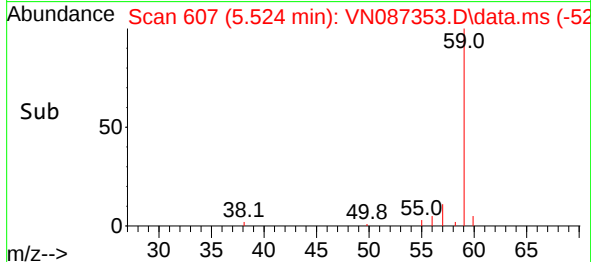
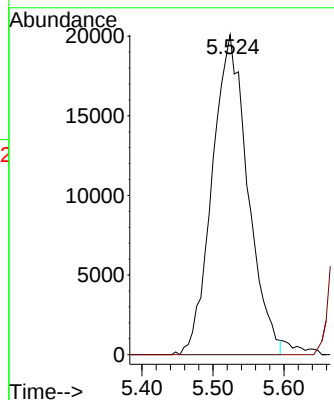
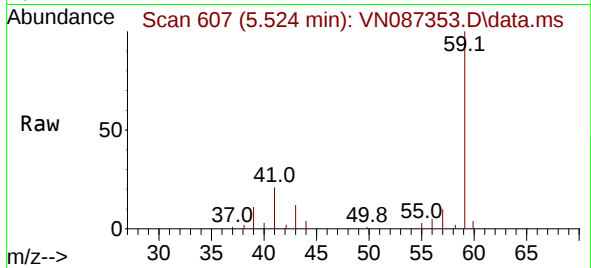
#23
tert-Butyl Alcohol
Concen: 90.368 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 59 Resp: 69820
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

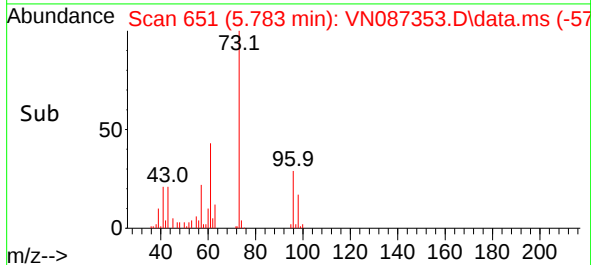
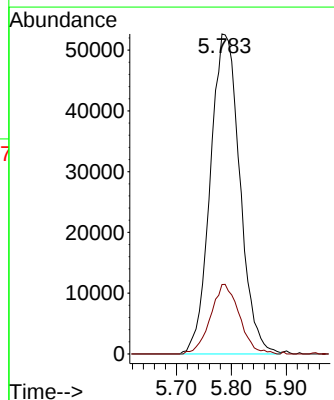
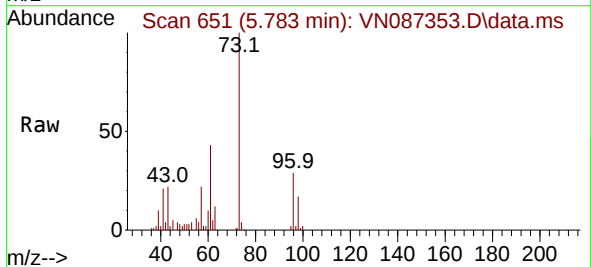
Manual Integrations
APPROVED

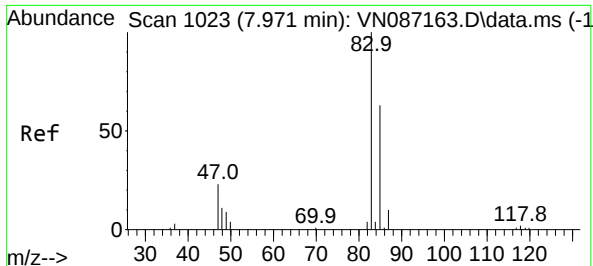
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#24
Methyl tert-Butyl Ether
Concen: 19.914 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 73 Resp: 196135
Ion Ratio Lower Upper
73 100
43 21.3 16.4 24.6





#25

Chloroform

Concen: 20.210 ug/l

RT: 7.953 min Scan# 1069

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 113710

Ion Ratio Lower Upper

83 100

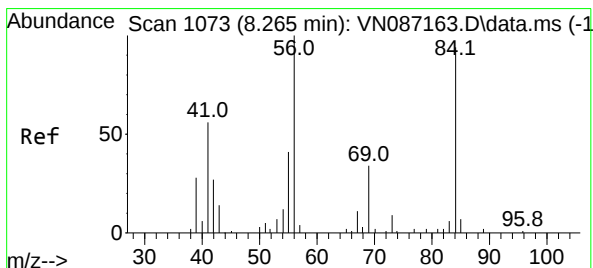
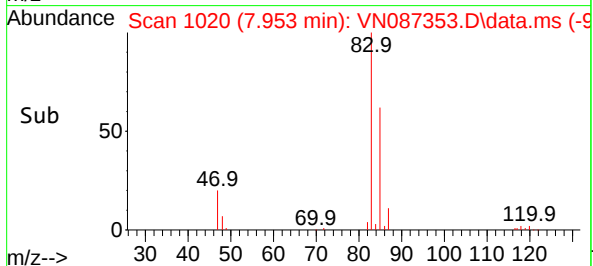
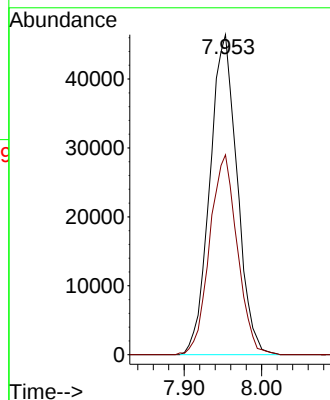
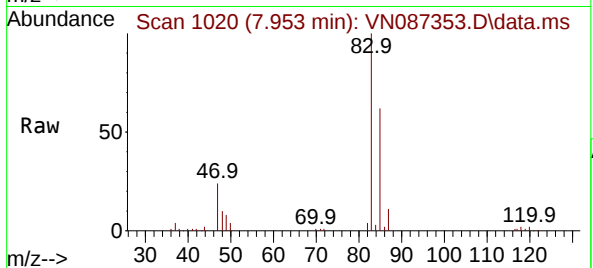
85 62.4 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#26

Cyclohexane

Concen: 16.454 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

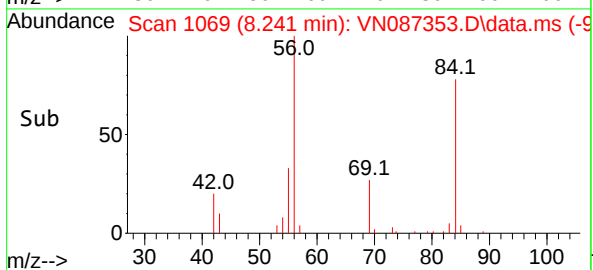
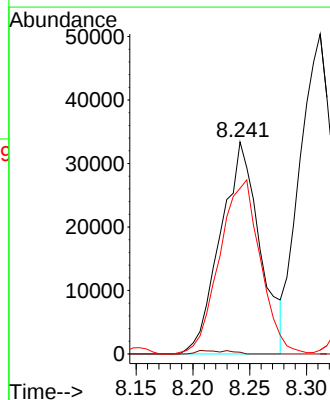
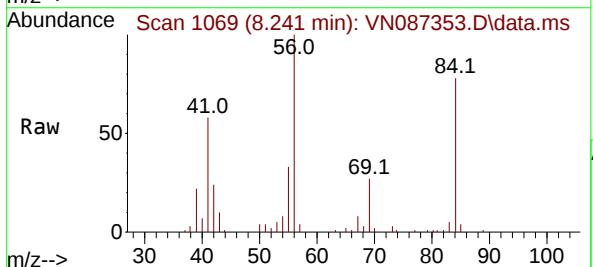
Tgt Ion: 56 Resp: 80329

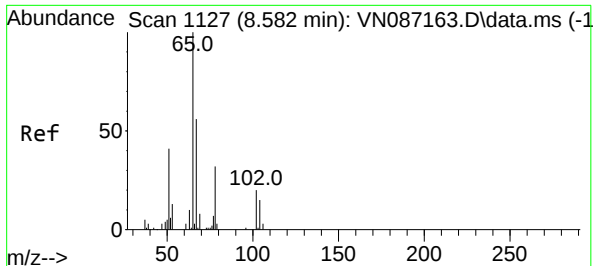
Ion Ratio Lower Upper

56 100

89 0.5 6.9 10.3#

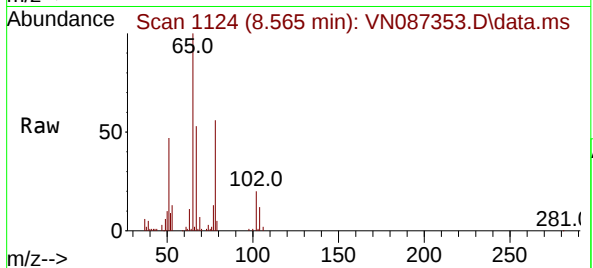
84 85.5 69.1 103.7





#27
1,2-Dichloroethane-d4
Concen: 32.525 ug/l
RT: 8.565 min Scan# 1127
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

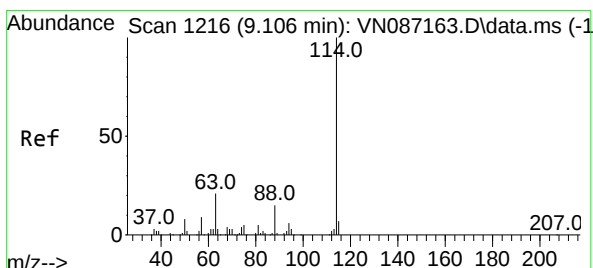
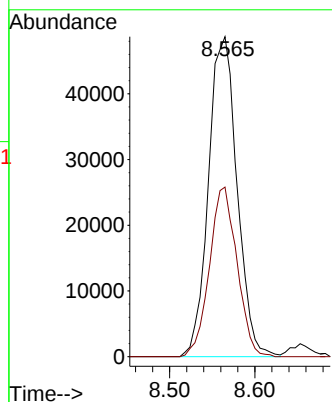
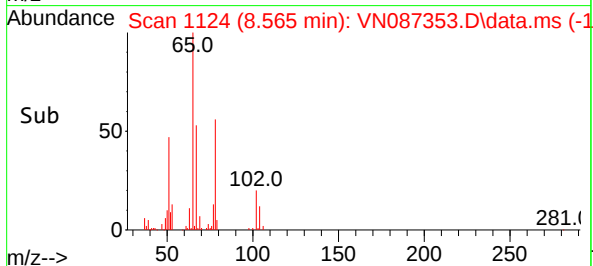
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



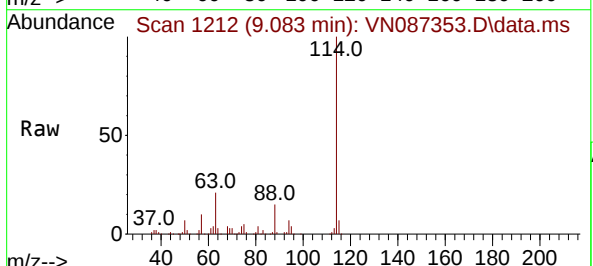
Tgt Ion: 65 Resp: 11360
Ion Ratio Lower Upper
65 100
67 51.0 41.9 62.9

Manual Integrations
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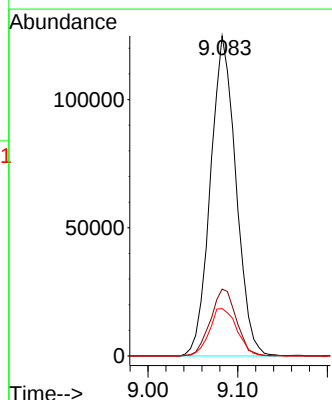
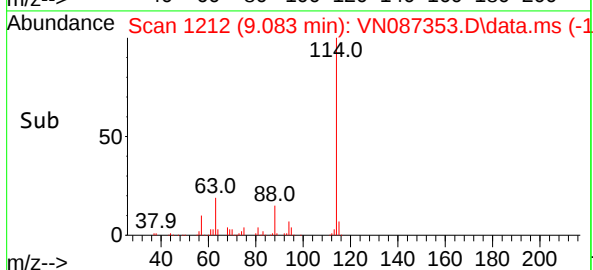
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

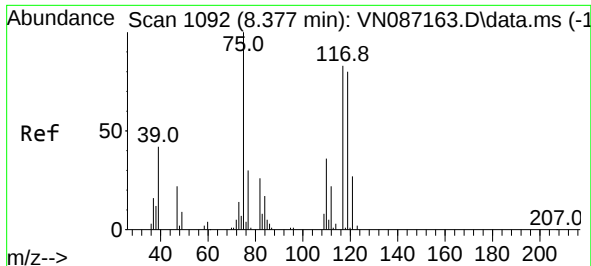


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



Tgt Ion: 114 Resp: 246415
Ion Ratio Lower Upper
114 100
63 21.2 17.0 25.4
88 16.0 12.6 19.0





#29
1,1-Dichloropropene
Concen: 19.096 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

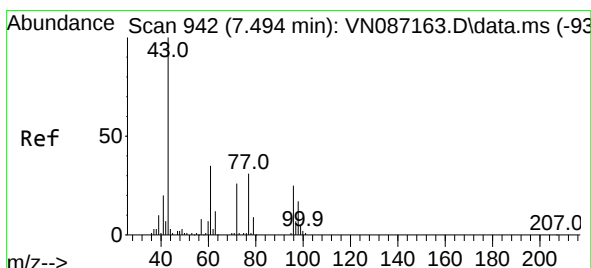
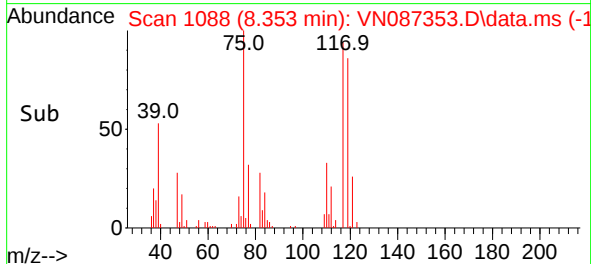
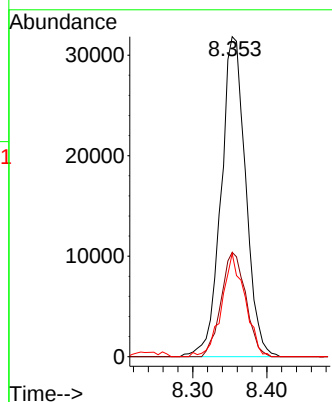
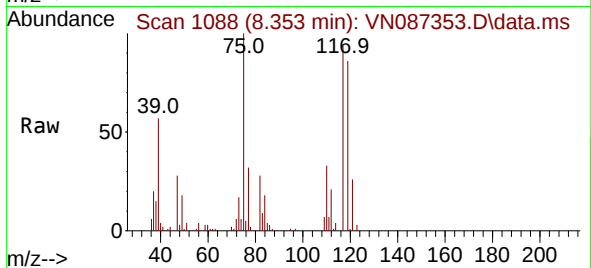
ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 7334
Ion Ratio Lower Upper
75 100
110 32.7 0.0 69.2
77 30.2 0.0 61.8

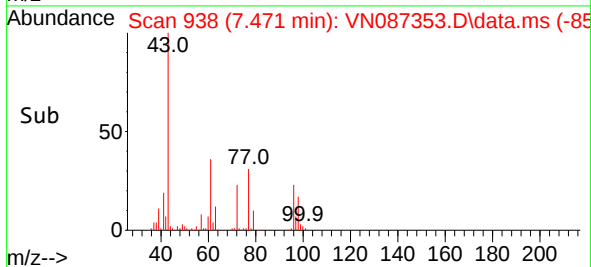
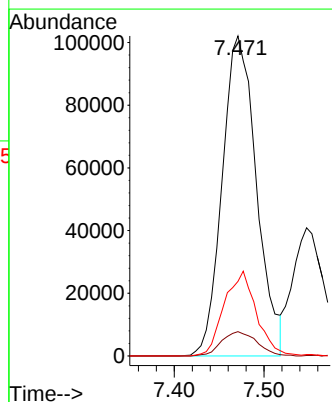
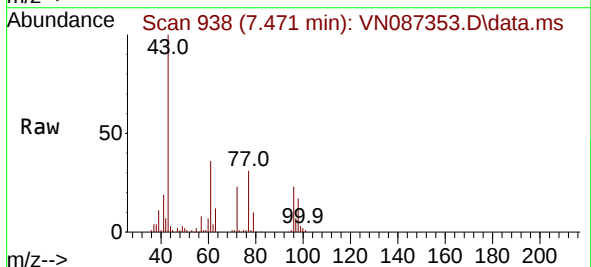
Manual Integrations
APPROVED

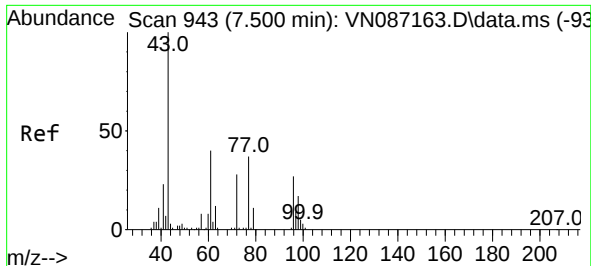
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#30
2-Butanone
Concen: 104.734 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

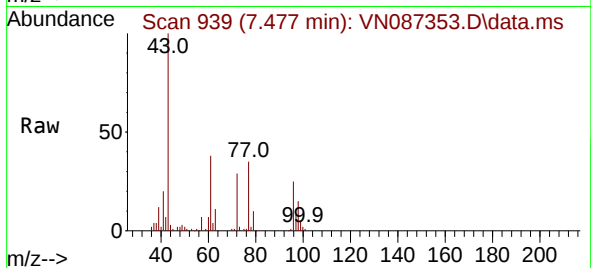
Tgt Ion: 43 Resp: 271343
Ion Ratio Lower Upper
43 100
57 7.9 6.3 9.5
72 24.9 21.8 32.6





#31
2,2-Dichloropropane
Concen: 19.929 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

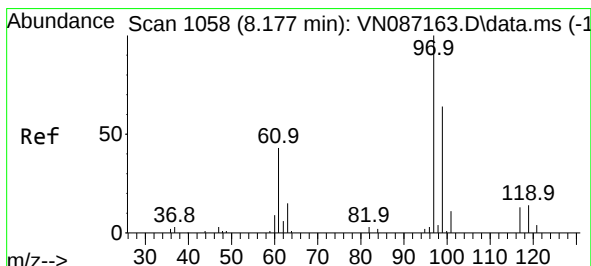
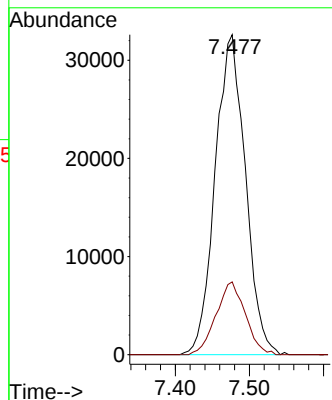
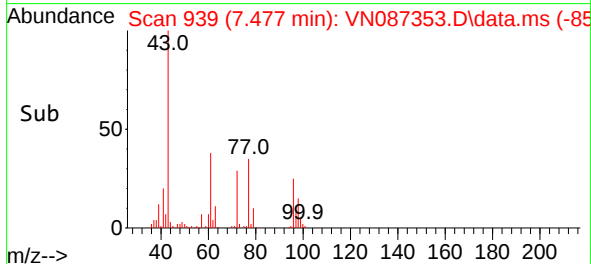
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



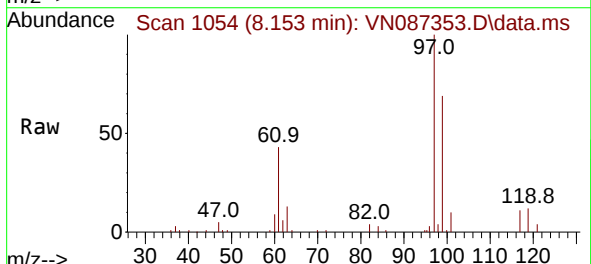
Tgt Ion: 77 Resp: 92394
Ion Ratio Lower Upper
77 100
97 22.1 18.4 27.6

Manual Integrations
APPROVED

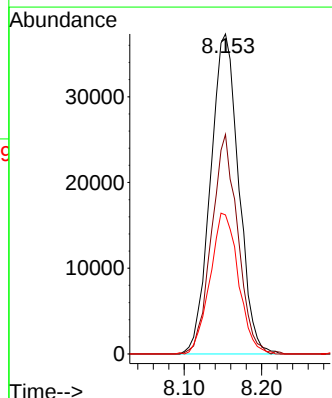
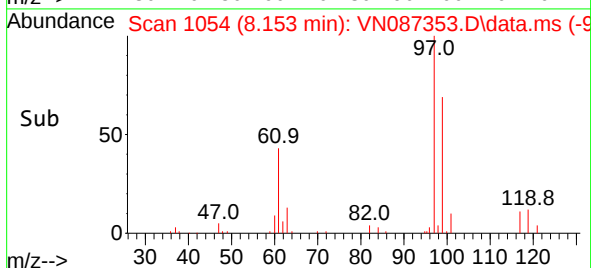
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

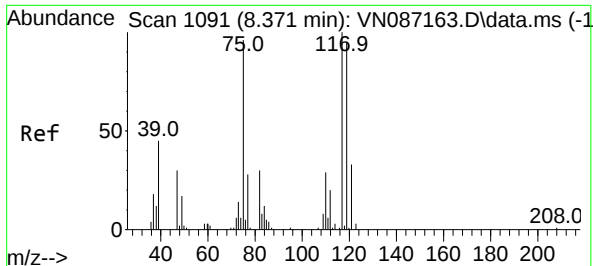


#32
1,1,1-Trichloroethane
Concen: 21.058 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



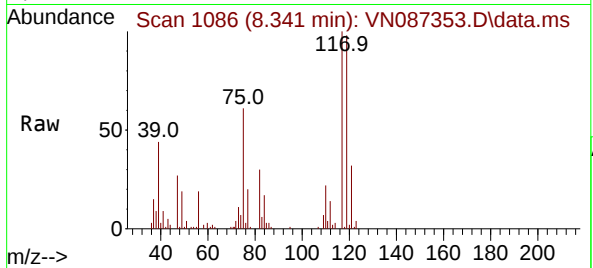
Tgt Ion: 97 Resp: 94489
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 44.4 36.1 54.1





#33
Carbon Tetrachloride
Concen: 21.079 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

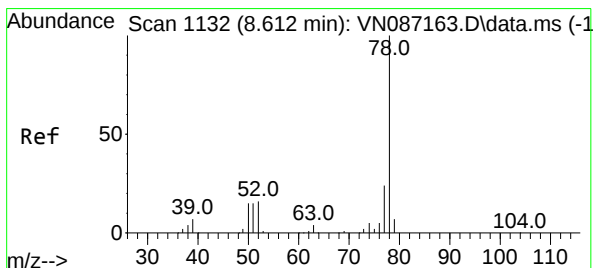
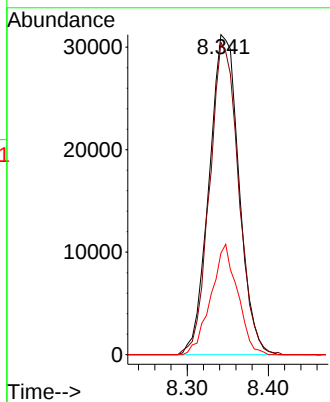
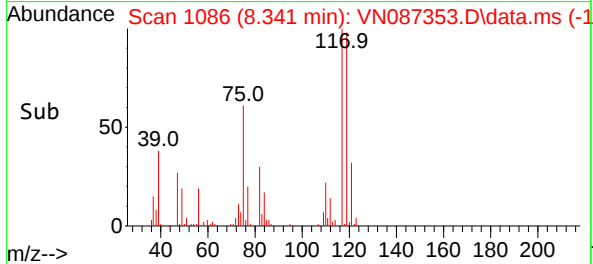
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 7959
Ion Ratio Lower Upper
117 100
119 97.6 75.8 113.6
121 31.7 26.2 39.4

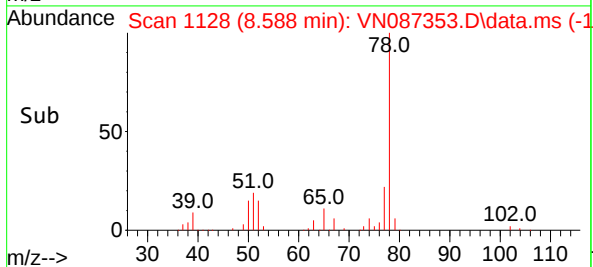
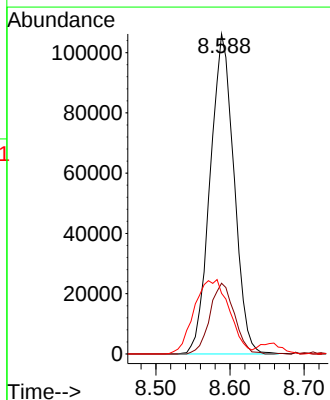
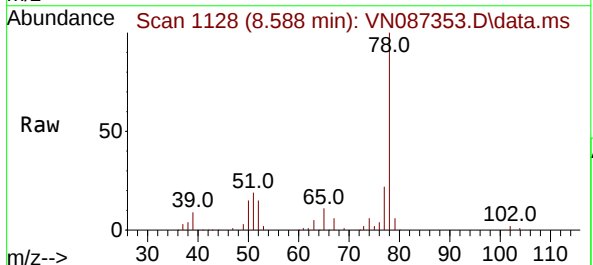
Manual Integrations
APPROVED

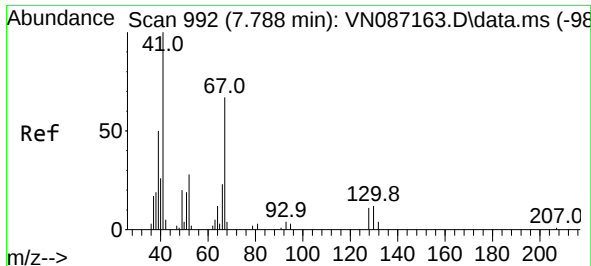
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#34
Benzene
Concen: 19.473 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

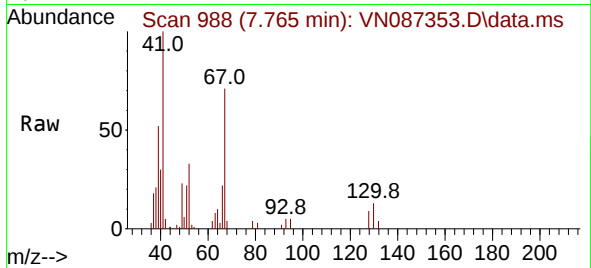
Tgt Ion: 78 Resp: 236944
Ion Ratio Lower Upper
78 100
77 22.1 19.5 29.3
51 17.5 14.8 22.2





#35
Methacrylonitrile
Concen: 21.818 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

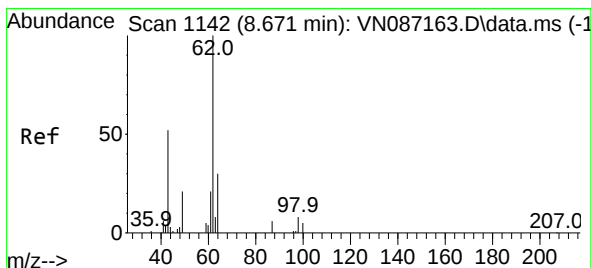
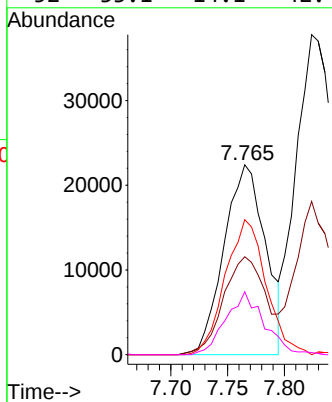
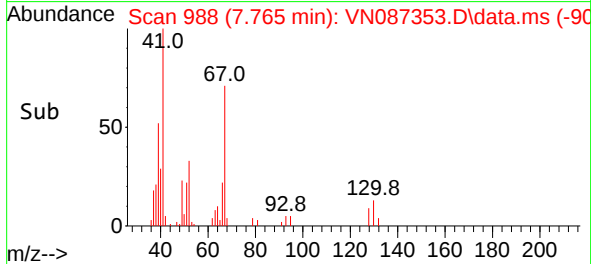
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:	41	Resp:	5696
Ion Ratio	Lower	Upper	
41	100		
39	51.6	24.4	73.2
67	71.1	33.3	99.8
52	33.1	14.1	42.4

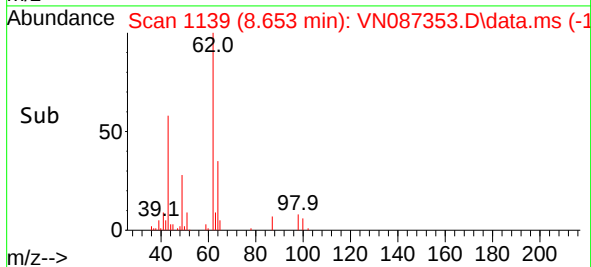
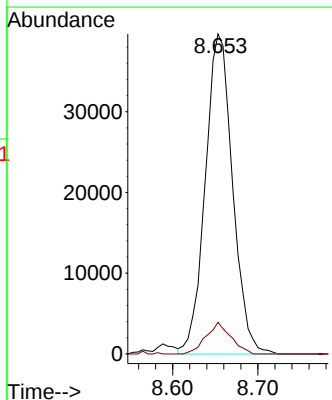
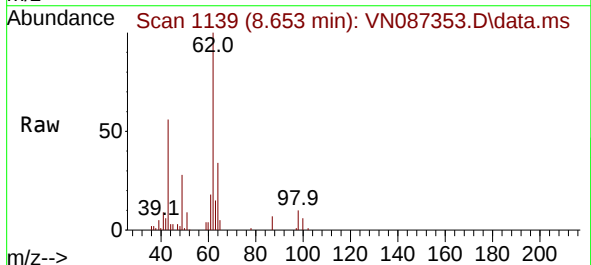
Manual Integrations
APPROVED

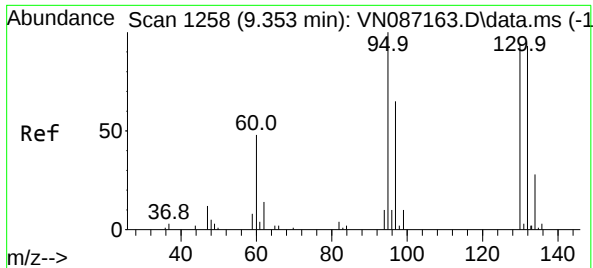
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#36
1,2-Dichloroethane
Concen: 22.510 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

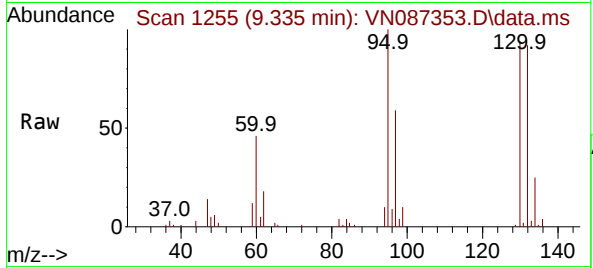
Tgt Ion:	62	Resp:	88492
Ion Ratio	Lower	Upper	
62	100		
98	8.9	7.2	10.8





#37
Trichloroethene
Concen: 18.781 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

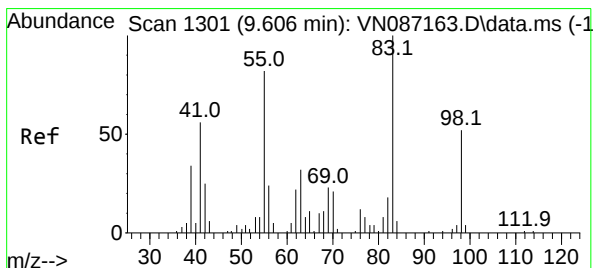
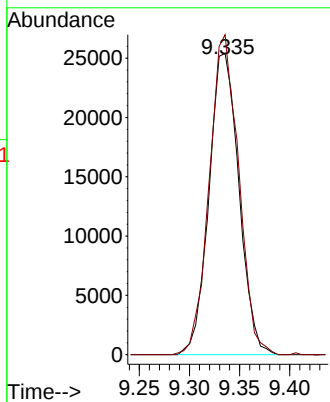
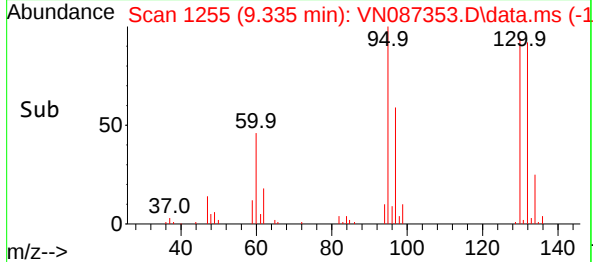
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:130 Resp: 52709
Ion Ratio Lower Upper
130 100
95 106.2 85.3 127.9

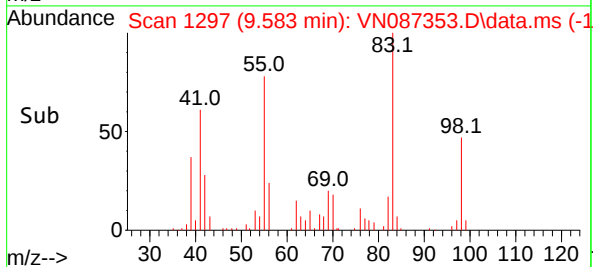
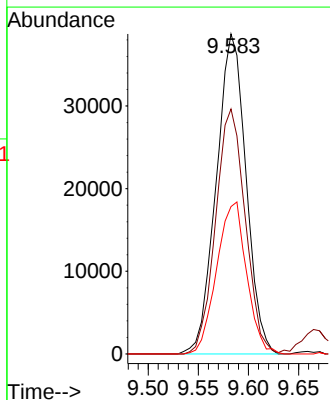
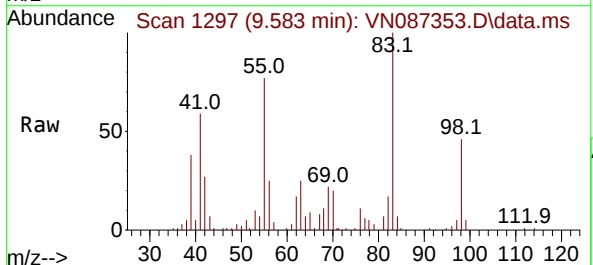
Manual Integrations
APPROVED

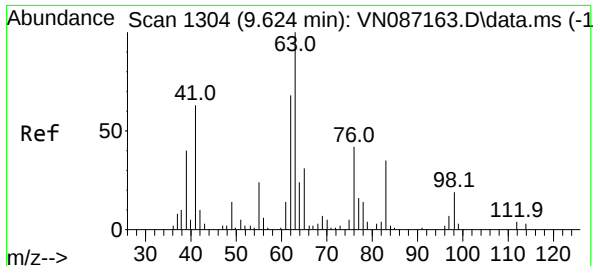
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#38
Methylcyclohexane
Concen: 18.137 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 83 Resp: 79927
Ion Ratio Lower Upper
83 100
55 76.1 40.1 120.2
98 47.7 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.373 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 62218

Ion Ratio Lower Upper

63 100

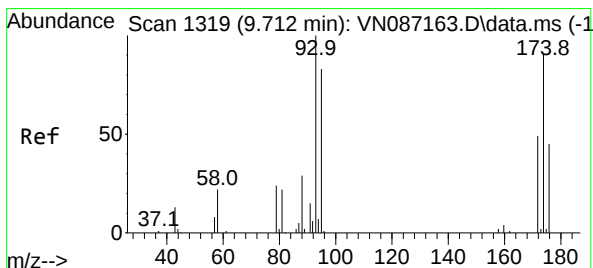
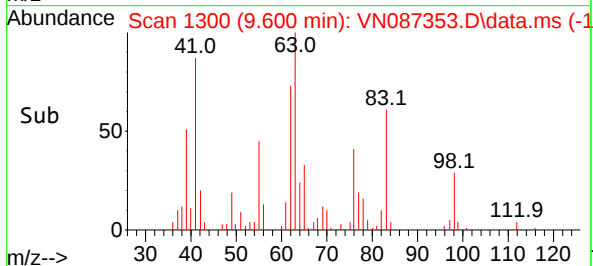
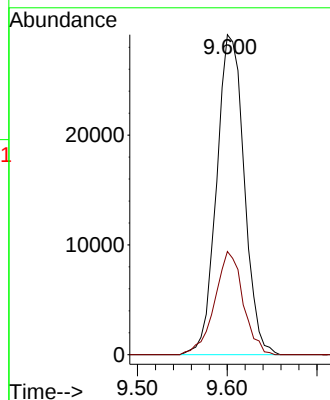
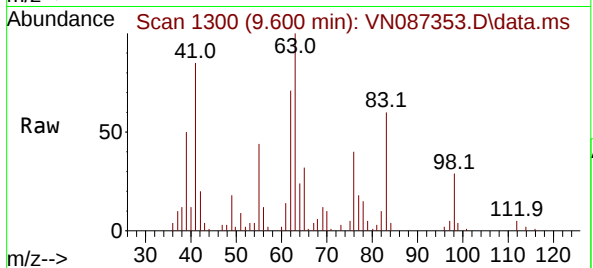
65 32.2 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#40

Dibromomethane

Concen: 21.197 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

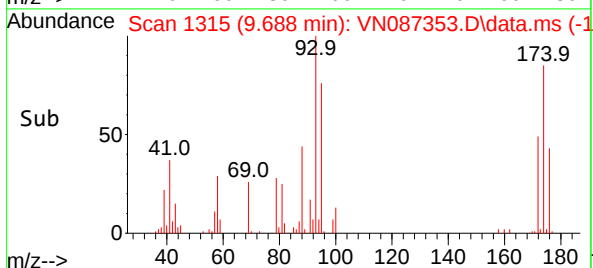
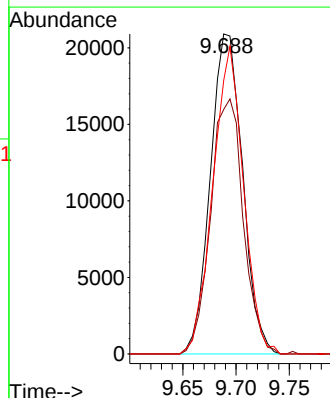
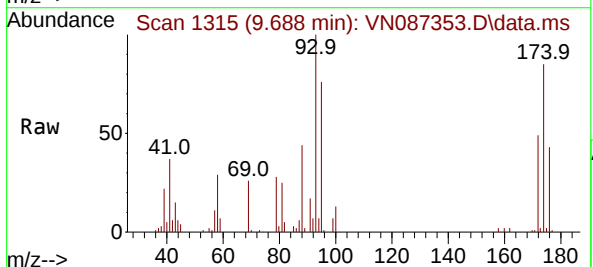
Tgt Ion: 93 Resp: 44019

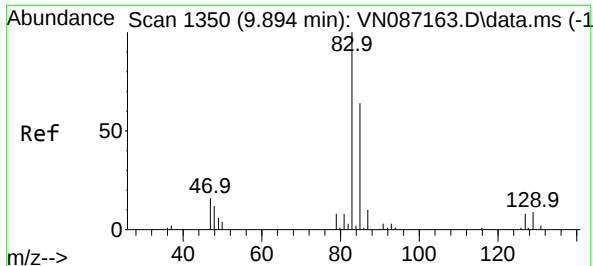
Ion Ratio Lower Upper

93 100

95 80.8 0.0 170.8

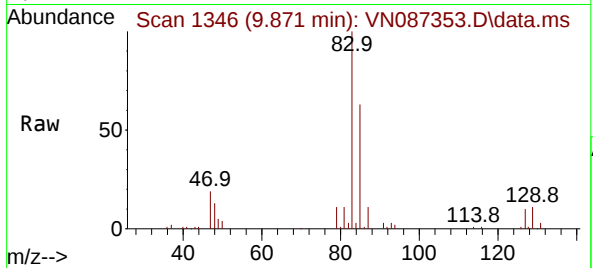
174 91.2 0.0 176.6





#41
Bromodichloromethane
Concen: 21.852 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

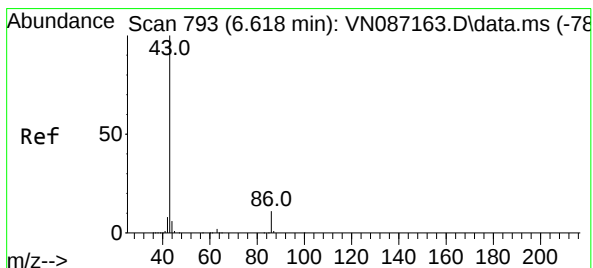
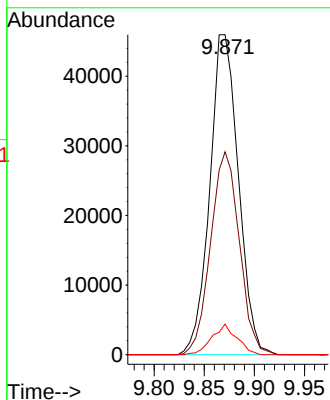
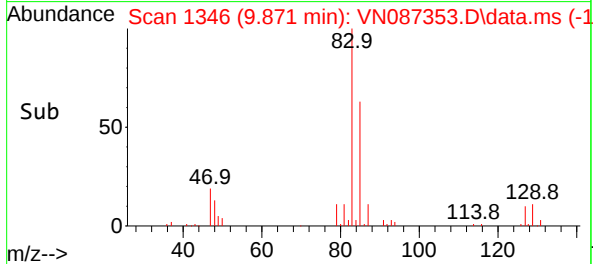
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 9159
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2
127 9.6 6.1 9.1

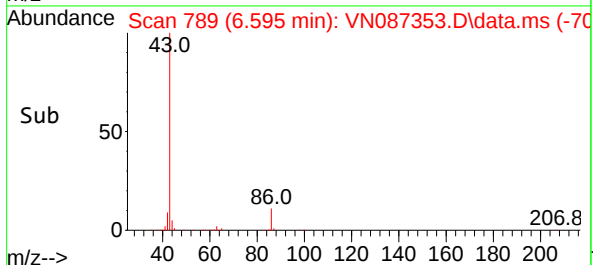
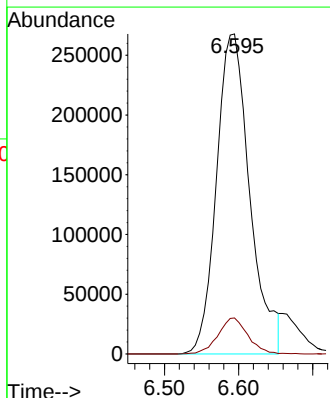
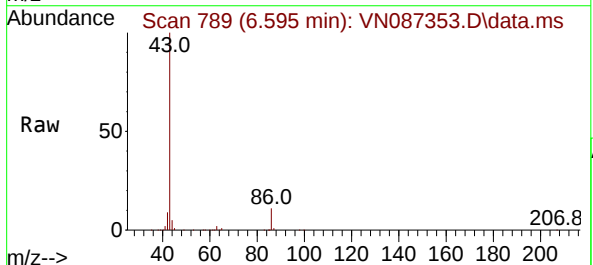
Manual Integrations
APPROVED

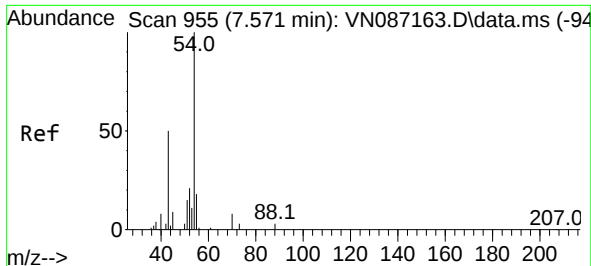
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#42
Vinyl Acetate
Concen: 99.305 ug/l
RT: 6.595 min Scan# 789
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

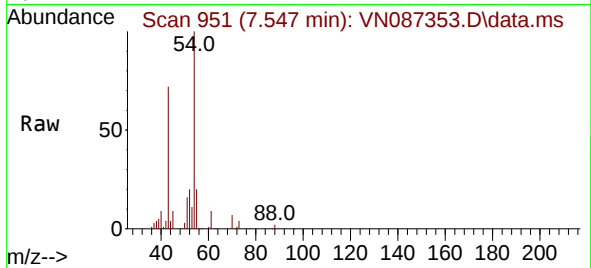
Tgt Ion: 43 Resp: 836803
Ion Ratio Lower Upper
43 100
86 10.0 7.7 11.5





#43
Ethyl Acetate
Concen: 22.371 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

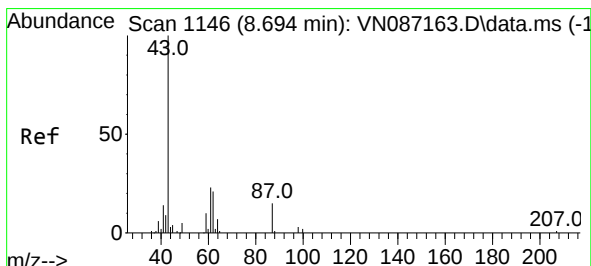
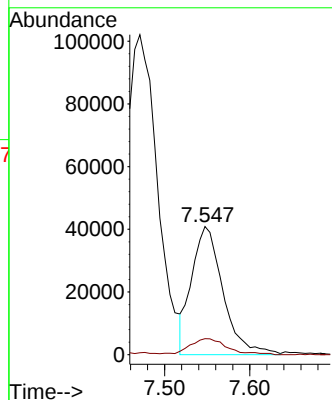
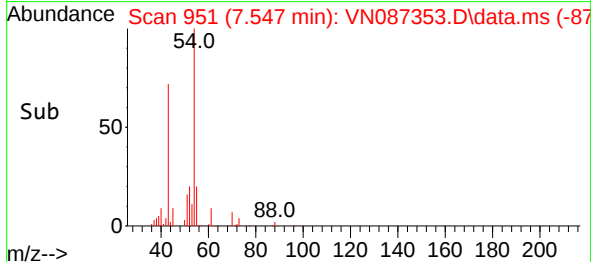
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 104620
Ion Ratio Lower Upper
43 100
45 12.1 11.5 17.3

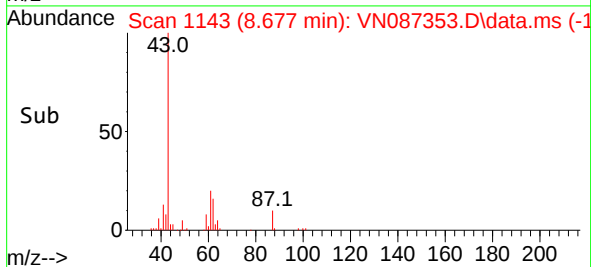
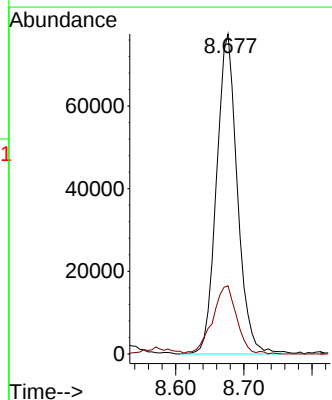
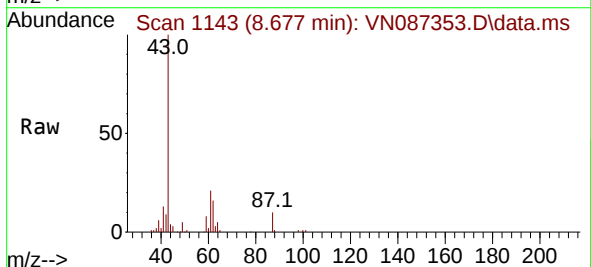
Manual Integrations
APPROVED

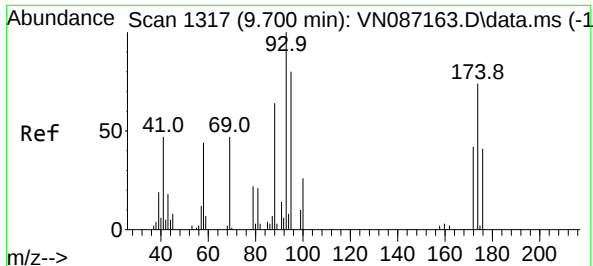
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#44
Isopropyl Acetate
Concen: 21.582 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

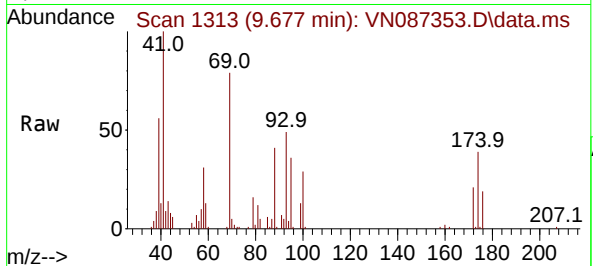
Tgt Ion: 43 Resp: 164459
Ion Ratio Lower Upper
43 100
61 24.5 20.5 30.7





#45
1,4-Dioxane
Concen: 435.529 ug/l
RT: 9.677 min Scan# 1311
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

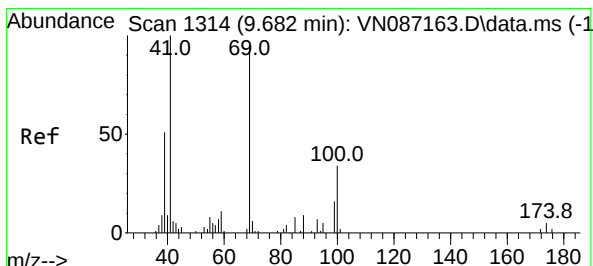
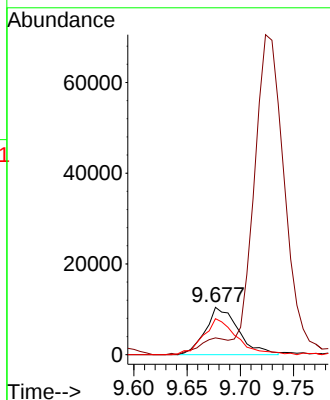
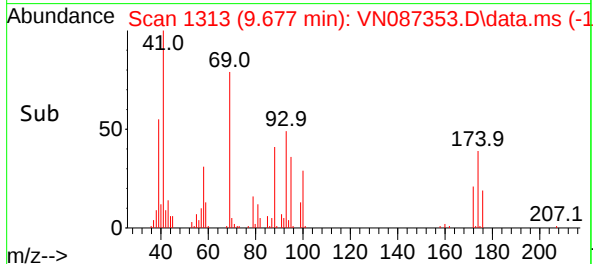
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



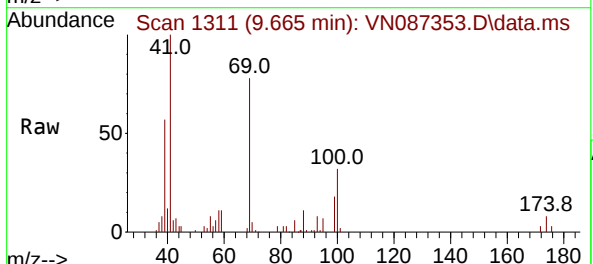
Tgt Ion: 88 Resp: 22450
Ion Ratio Lower Upper
88 100
43 30.4 21.3 31.9
58 77.1 61.7 92.5

Manual Integrations
APPROVED

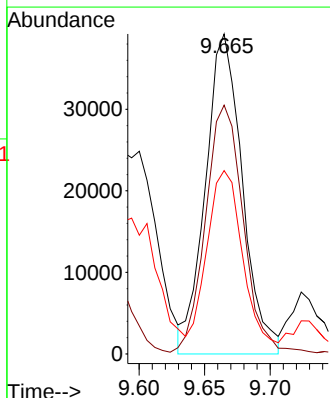
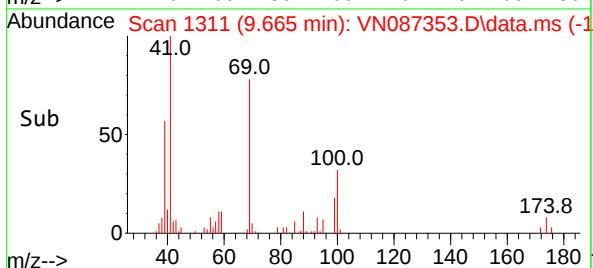
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

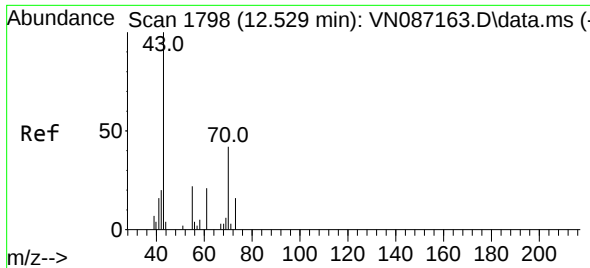


#46
Methyl methacrylate
Concen: 21.690 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



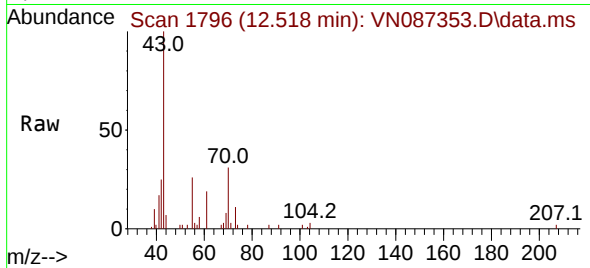
Tgt Ion: 41 Resp: 76833
Ion Ratio Lower Upper
41 100
69 80.4 45.6 136.9
39 56.9 26.2 78.5





#47
n-amy1 Acetate
Concen: 23.721 ug/l m
RT: 12.518 min Scan# 110510
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

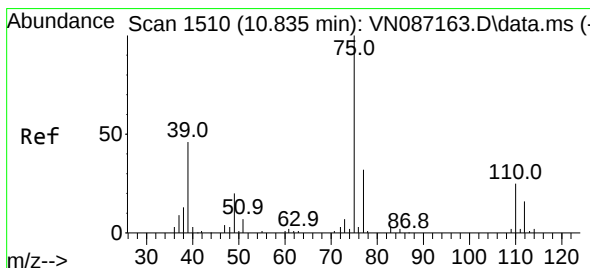
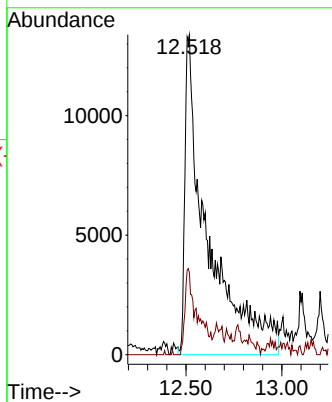
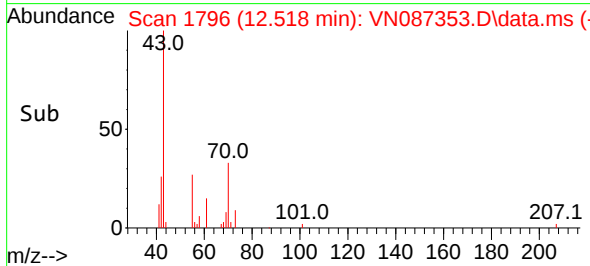
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 110510
Ion Ratio Lower Upper
43 100
55 7.2 0.0 0.0

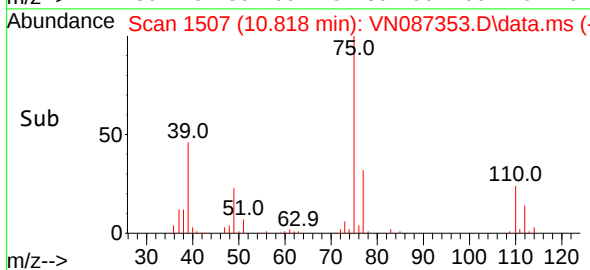
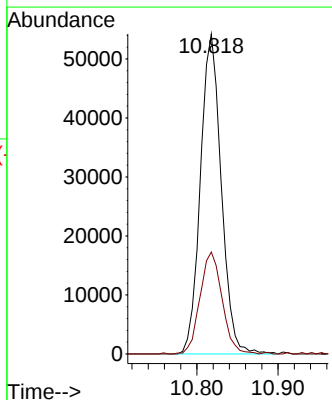
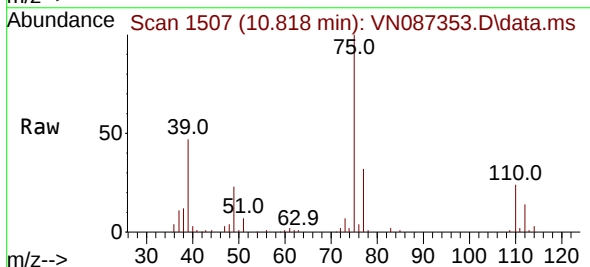
Manual Integrations
APPROVED

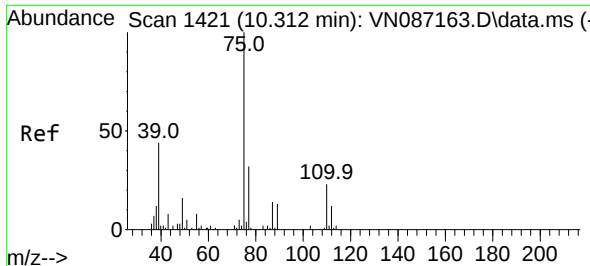
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#48
t-1,3-Dichloropropene
Concen: 20.708 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

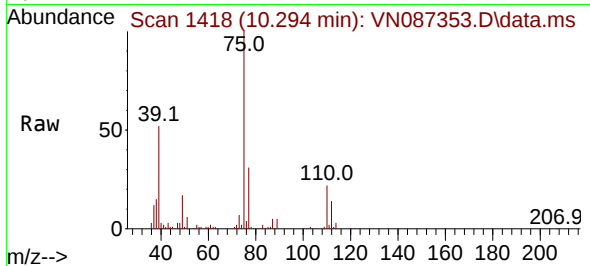
Tgt Ion: 75 Resp: 96762
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0





#49
cis-1,3-Dichloropropene
Concen: 20.330 ug/l
RT: 10.294 min Scan# 1421
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

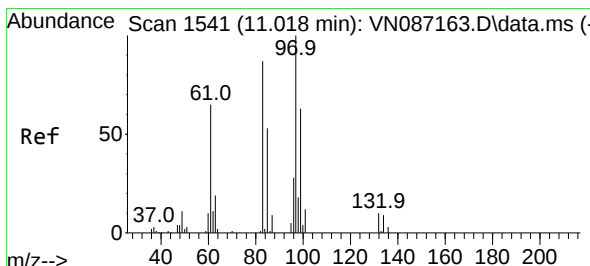
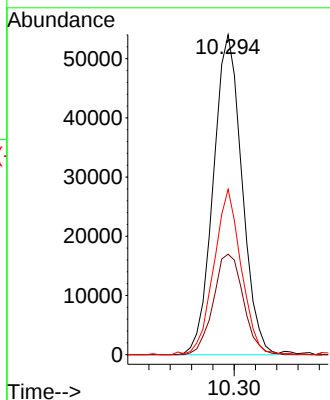
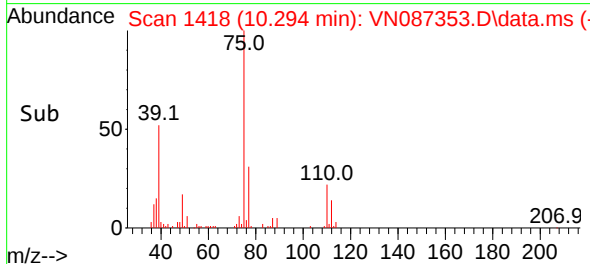
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 100992
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2
39 51.4 35.3 52.9

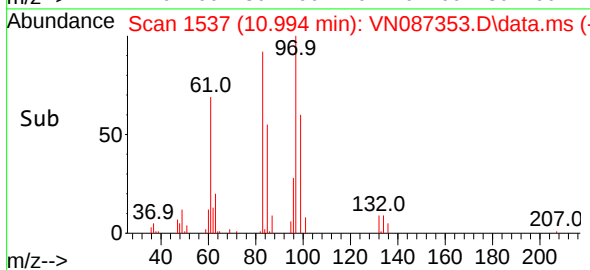
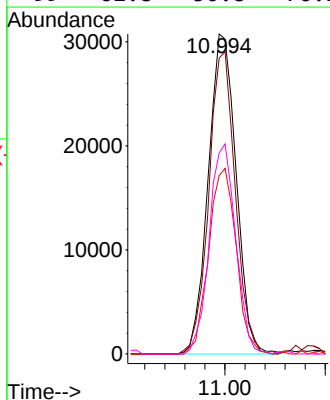
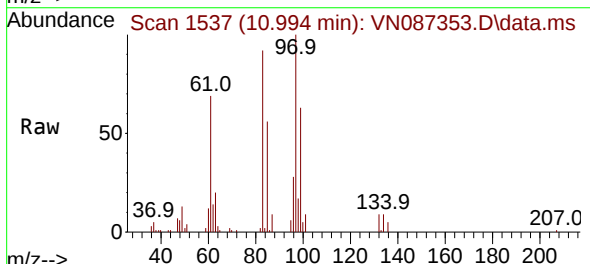
Manual Integrations
APPROVED

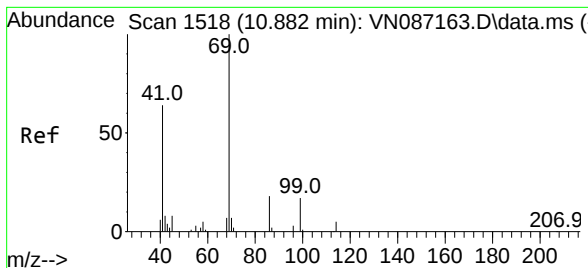
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#50
1,1,2-Trichloroethane
Concen: 20.144 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

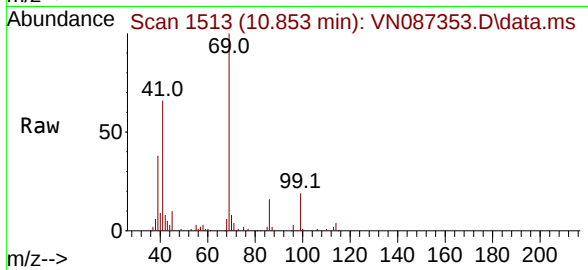
Tgt Ion: 97 Resp: 59421
Ion Ratio Lower Upper
97 100
83 92.4 69.6 104.4
85 55.7 42.0 63.0
99 62.8 50.8 76.2





#51
Ethyl methacrylate
Concen: 21.202 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

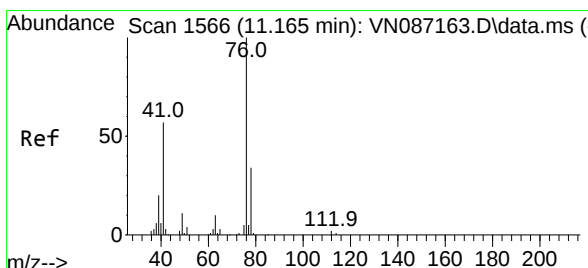
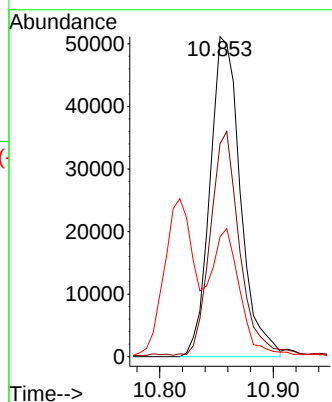
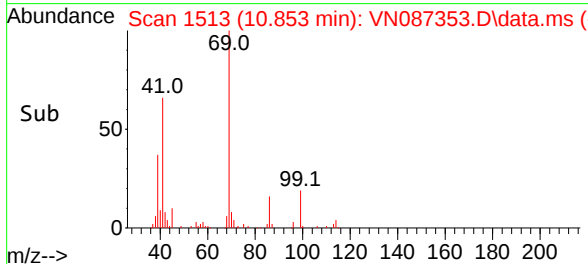
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 9519
Ion Ratio Lower Upper
69 100
41 65.6 31.8 95.3
39 36.1 15.3 45.8

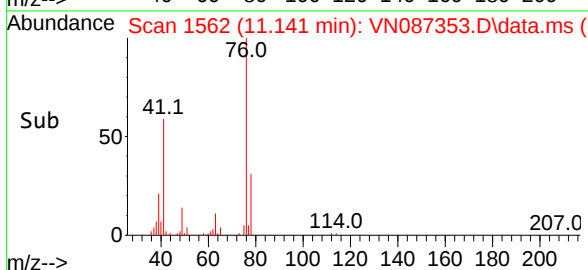
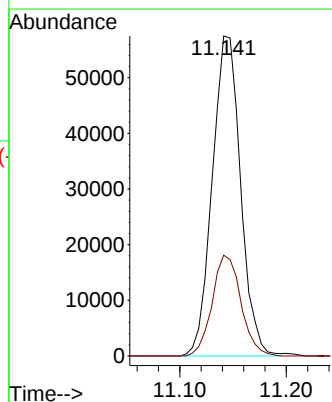
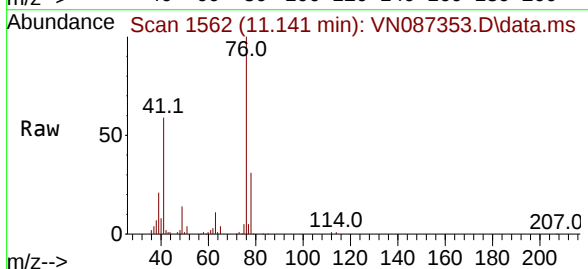
Manual Integrations
APPROVED

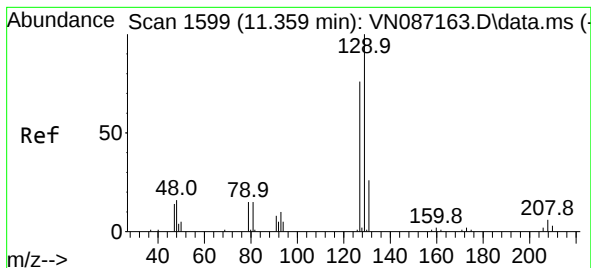
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#52
1,3-Dichloropropane
Concen: 20.936 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

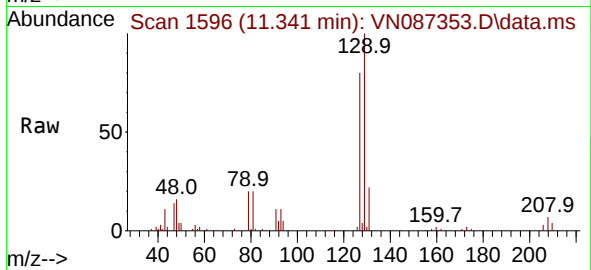
Tgt Ion: 76 Resp: 106028
Ion Ratio Lower Upper
76 100
78 31.9 0.0 63.0





#53
Dibromochloromethane
Concen: 22.052 ug/l
RT: 11.341 min Scan# 11341
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

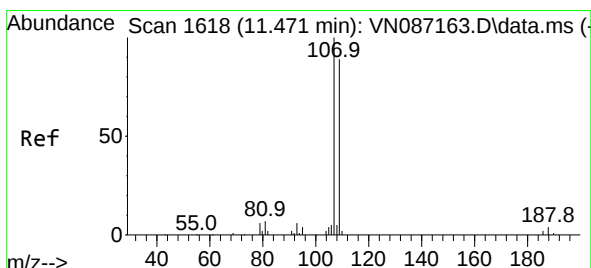
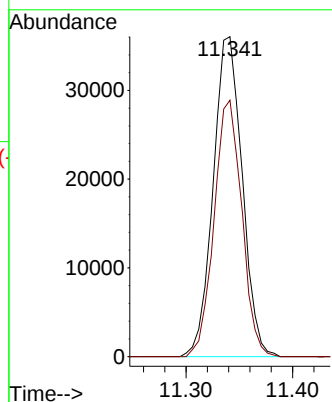
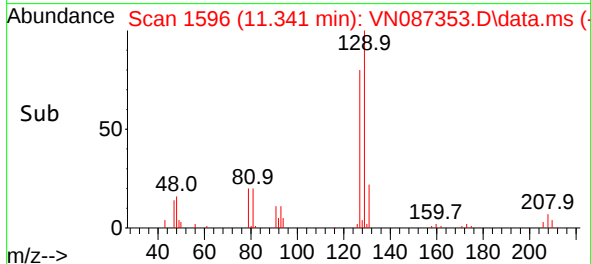
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



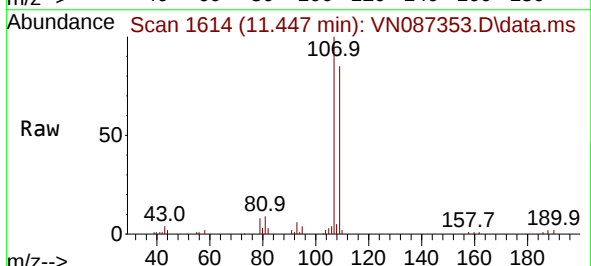
Tgt Ion:129 Resp: 6828
Ion Ratio Lower Upper
129 100
127 76.4 39.6 118.8

Manual Integrations
APPROVED

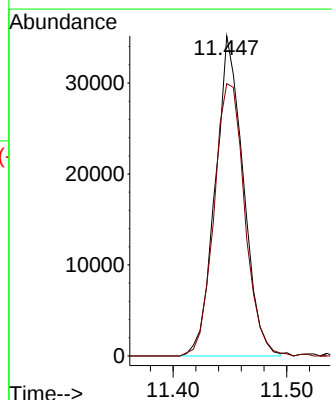
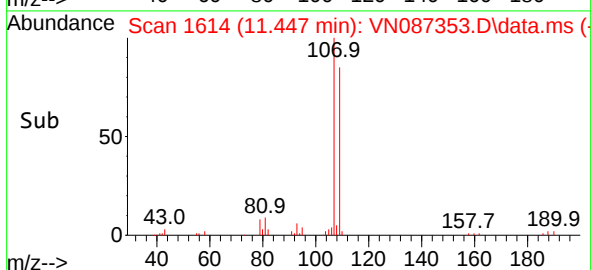
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

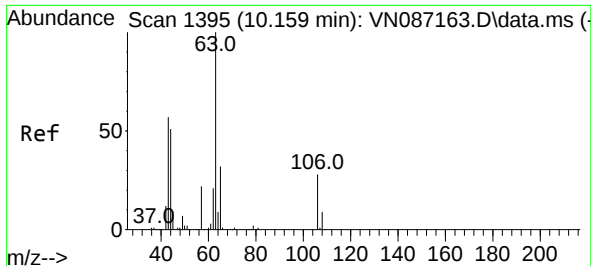


#54
1,2-Dibromoethane
Concen: 19.793 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



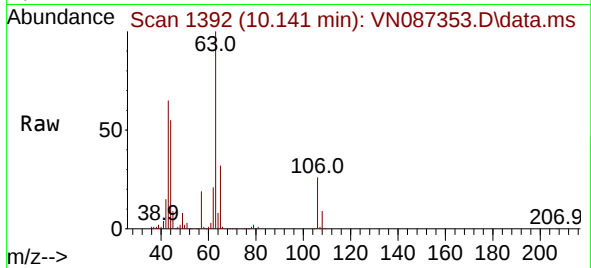
Tgt Ion:107 Resp: 60238
Ion Ratio Lower Upper
107 100
109 93.4 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 102.481 ug/l
RT: 10.141 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

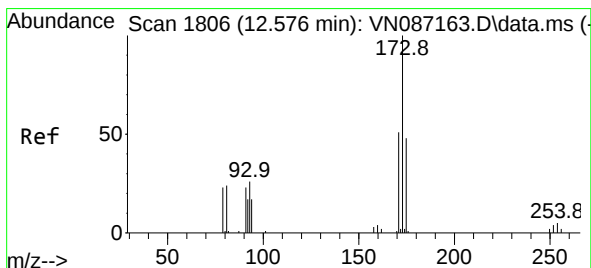
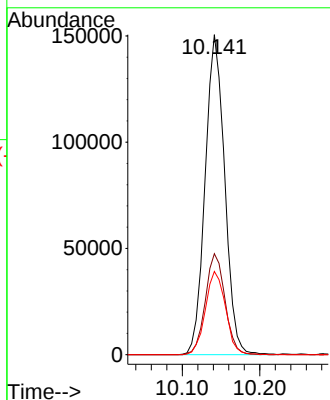
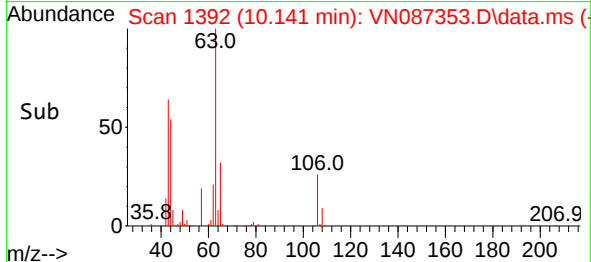
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 263740
Ion Ratio Lower Upper
63 100
65 31.7 25.6 38.4
106 26.8 21.9 32.9

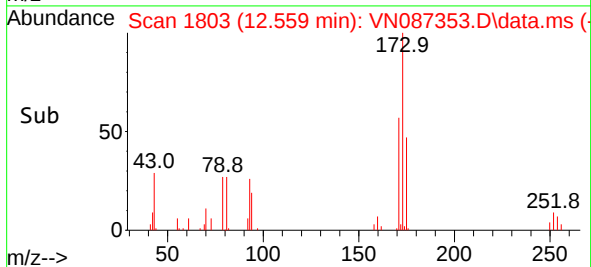
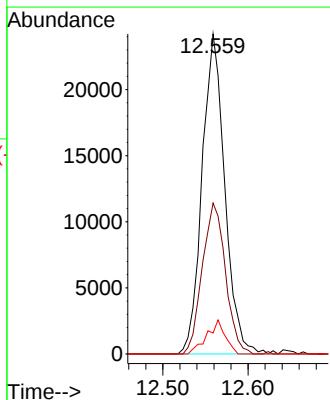
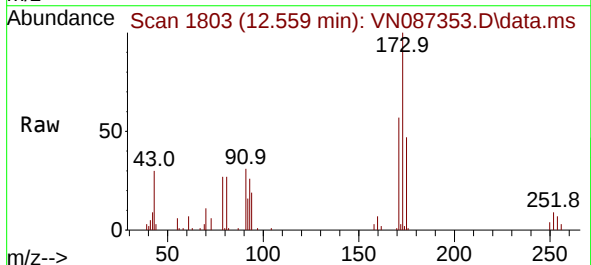
Manual Integrations
APPROVED

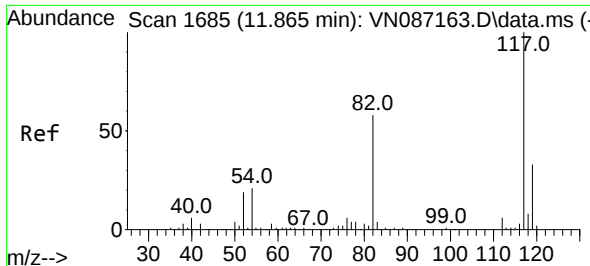
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#56
Bromoform
Concen: 21.061 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:173 Resp: 44831
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 8.6 4.2 6.4#





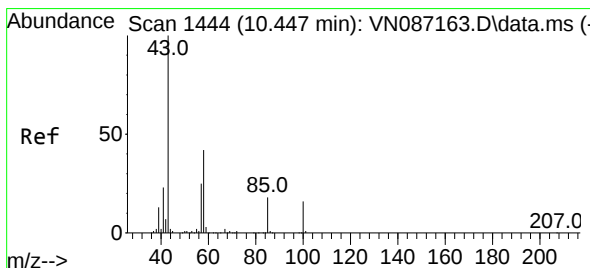
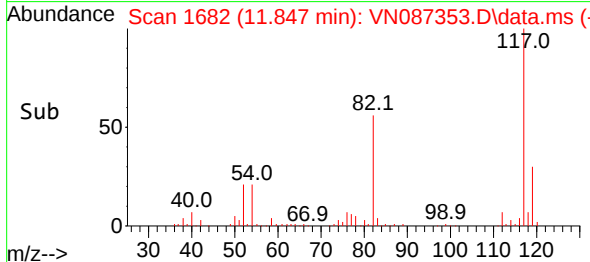
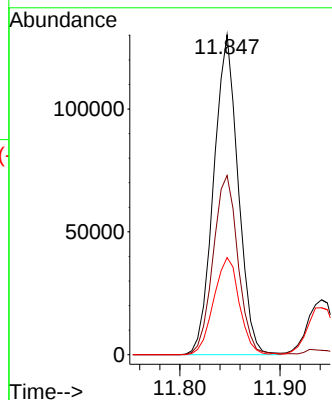
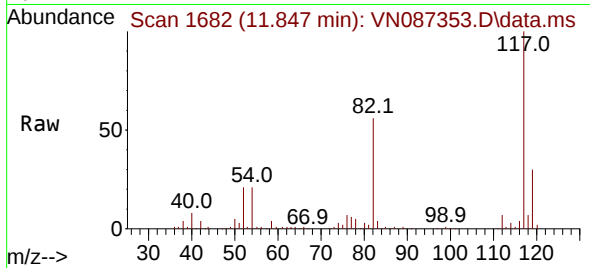
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1184
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 22010
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.8 26.2 39.4

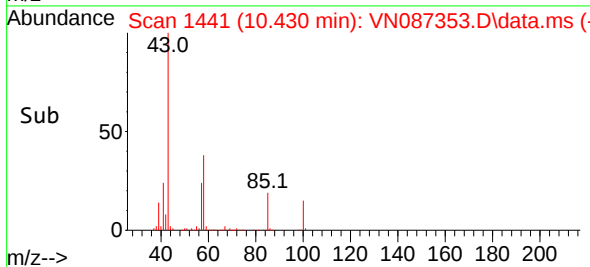
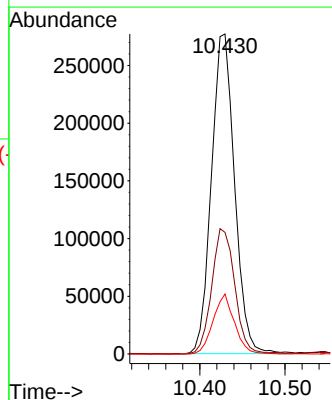
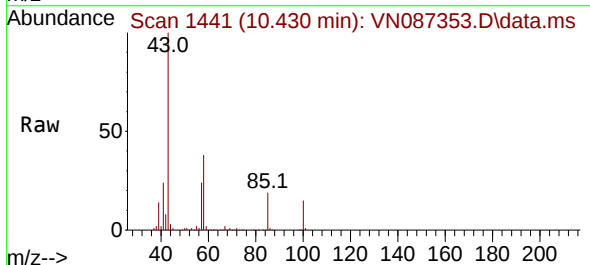
Manual Integrations
APPROVED

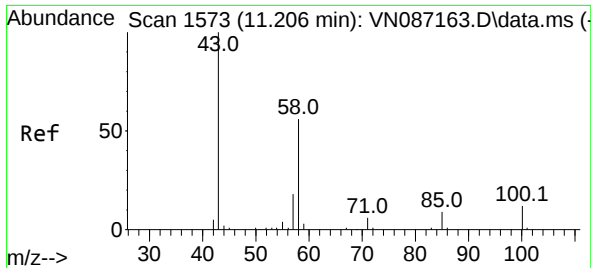
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#58
4-Methyl-2-Pentanone
Concen: 118.048 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

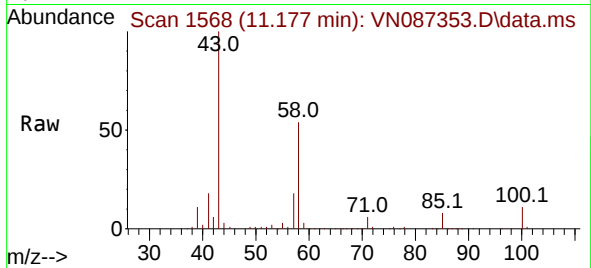
Tgt Ion: 43 Resp: 522358
Ion Ratio Lower Upper
43 100
58 39.0 32.6 49.0
85 17.3 14.6 22.0





#59
2-Hexanone
Concen: 125.791 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

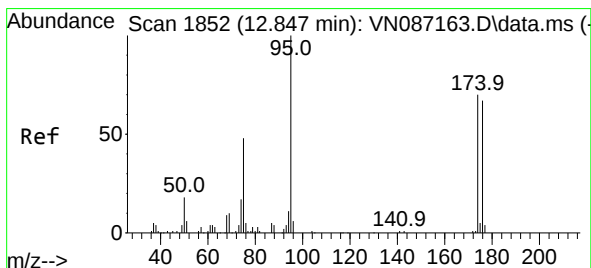
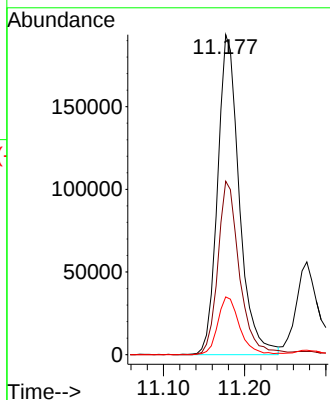
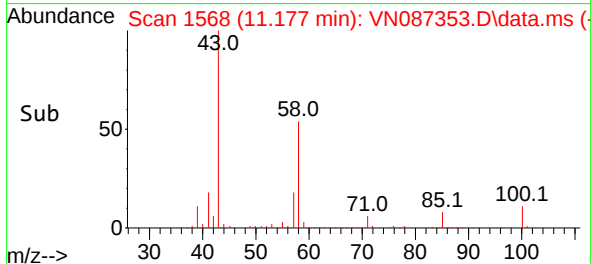
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 359424
Ion Ratio Lower Upper
43 100
58 53.3 49.2 73.8
57 18.1 15.3 22.9

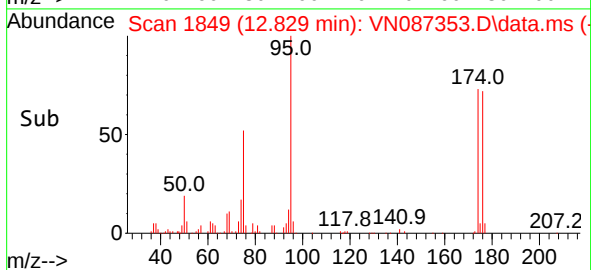
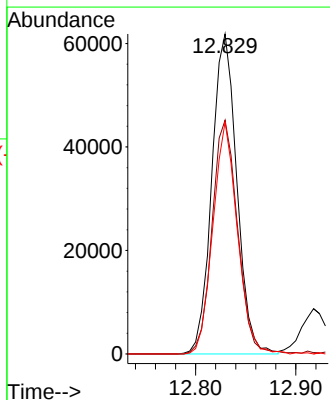
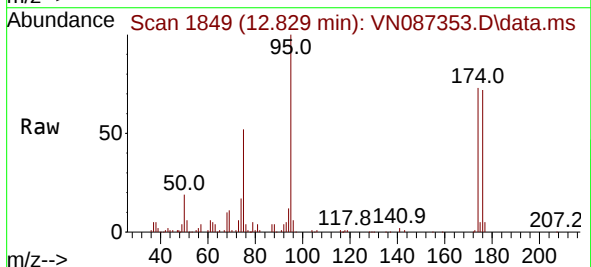
Manual Integrations
APPROVED

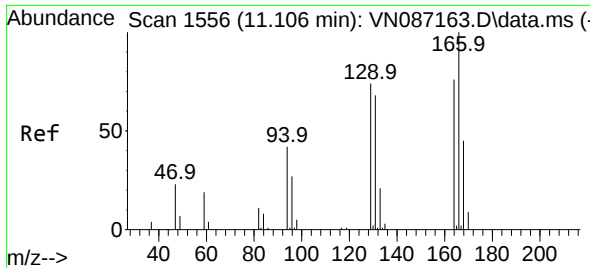
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#60
4-Bromofluorobenzene
Concen: 31.514 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

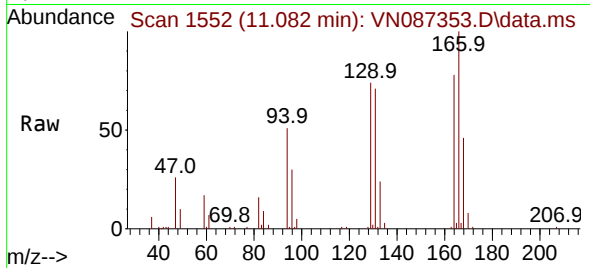
Tgt Ion: 95 Resp: 107036
Ion Ratio Lower Upper
95 100
174 74.1 54.5 81.7
176 70.8 51.9 77.9





#61
Tetrachloroethene
Concen: 20.748 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

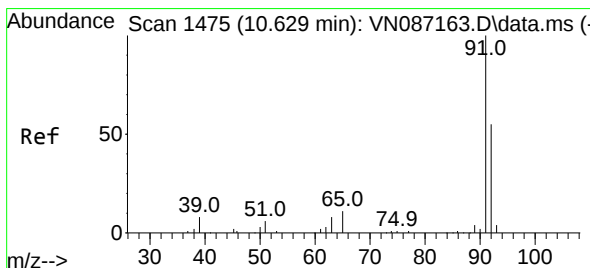
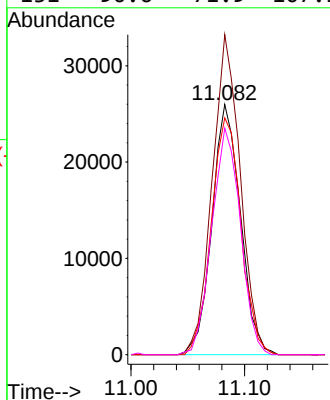
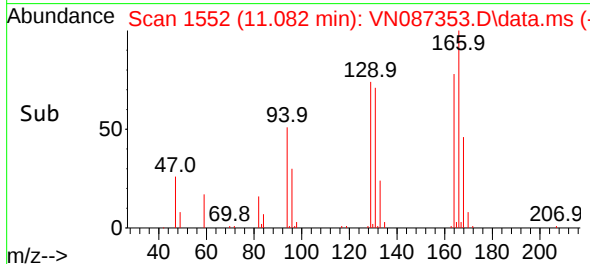
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



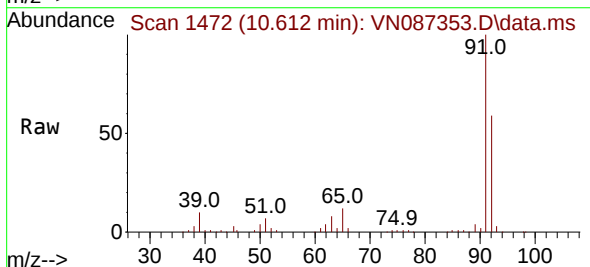
Tgt Ion:164 Resp: 45220
Ion Ratio Lower Upper
164 100
166 127.9 105.4 158.2
129 94.7 77.9 116.9
131 90.6 71.9 107.9

Manual Integrations
APPROVED

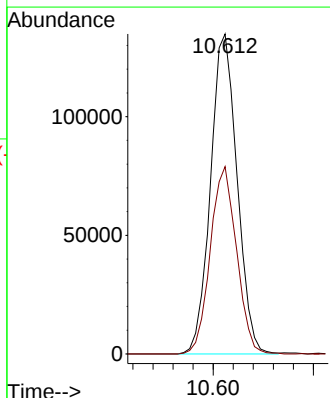
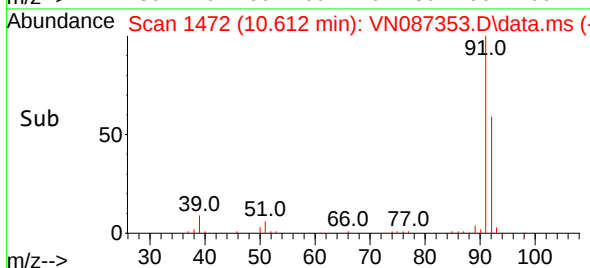
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

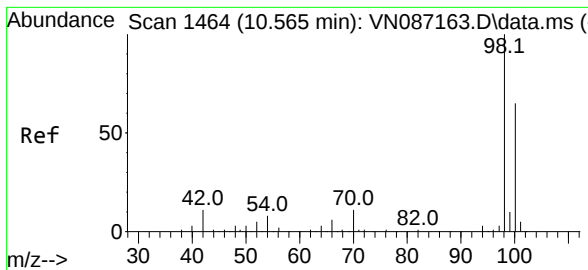


#62
Toluene
Concen: 19.960 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



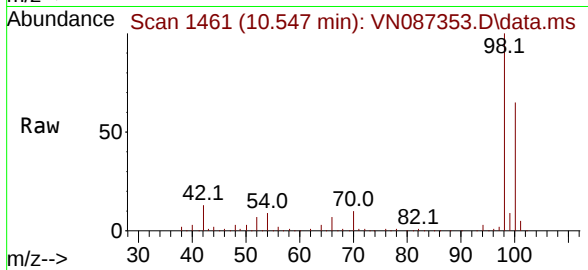
Tgt Ion: 91 Resp: 248127
Ion Ratio Lower Upper
91 100
92 57.8 45.8 68.8





#63
Toluene-d8
Concen: 30.020 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

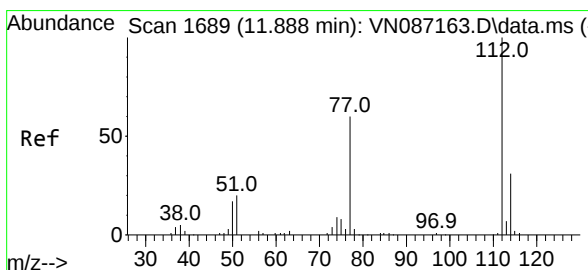
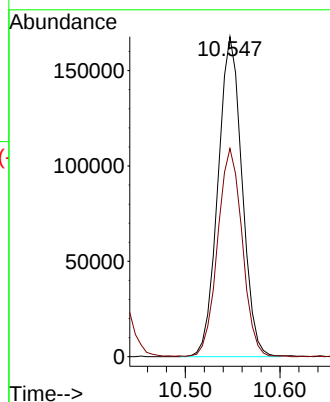
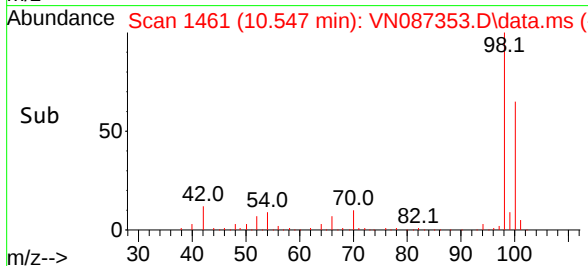
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



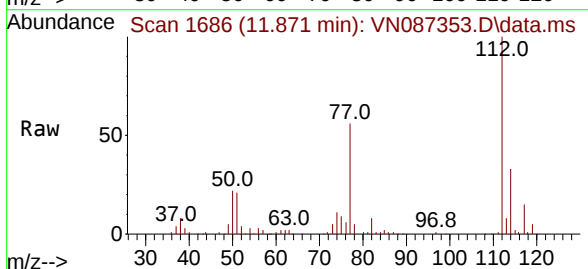
Tgt Ion: 98 Resp: 296684
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

Manual Integrations
APPROVED

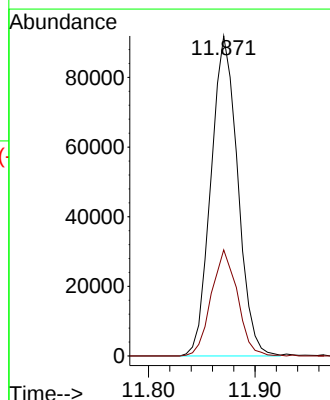
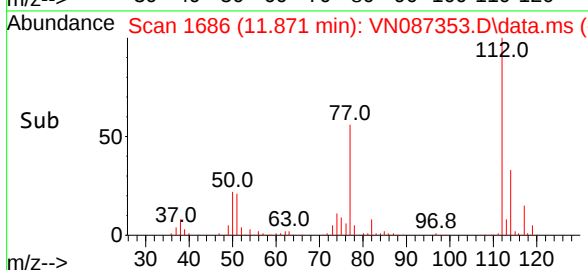
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

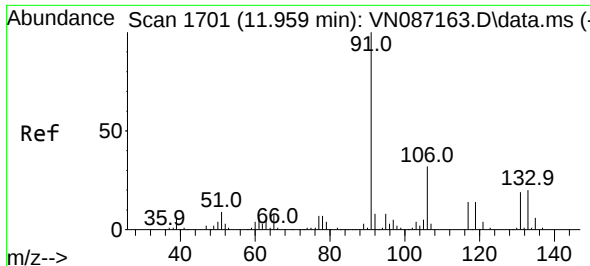


#64
Chlorobenzene
Concen: 20.238 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



Tgt Ion:112 Resp: 160479
Ion Ratio Lower Upper
112 100
114 33.2 25.0 37.4





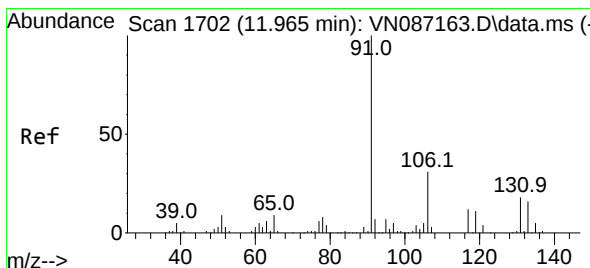
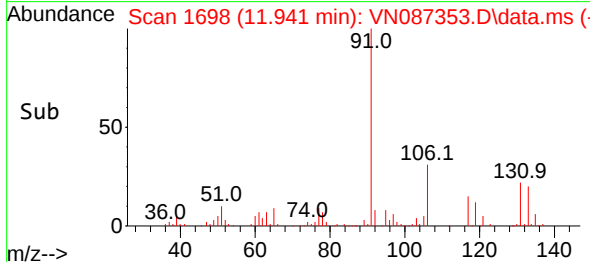
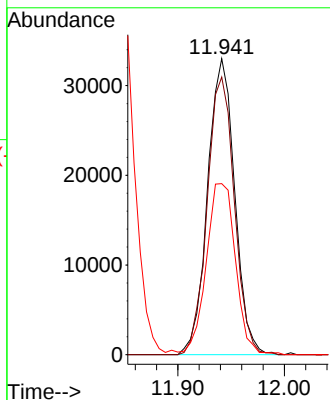
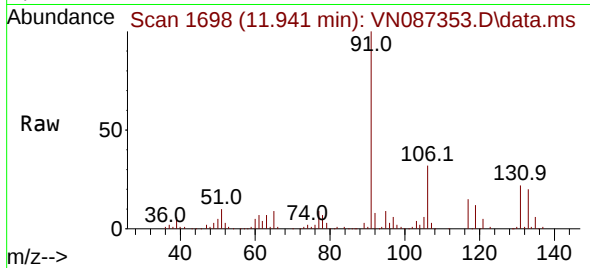
#65
1,1,1,2-Tetrachloroethane
Concen: 22.256 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 5831
Ion Ratio Lower Upper
131 100
133 94.1 0.0 187.8
119 62.0 0.0 140.0

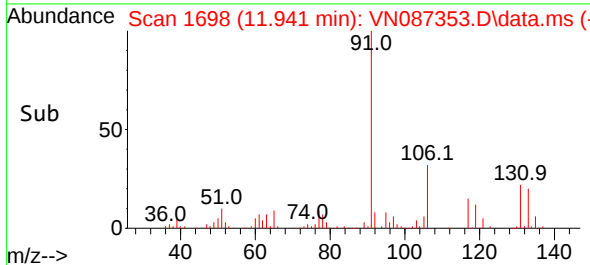
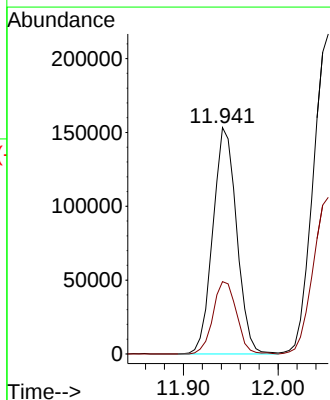
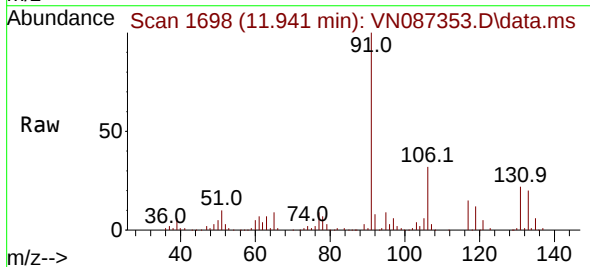
Manual Integrations
APPROVED

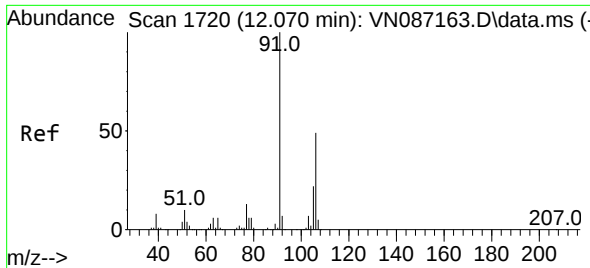
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#66
Ethyl Benzene
Concen: 19.686 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 91 Resp: 267868
Ion Ratio Lower Upper
91 100
106 31.9 24.8 37.2





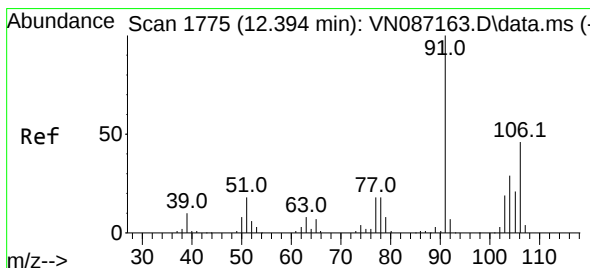
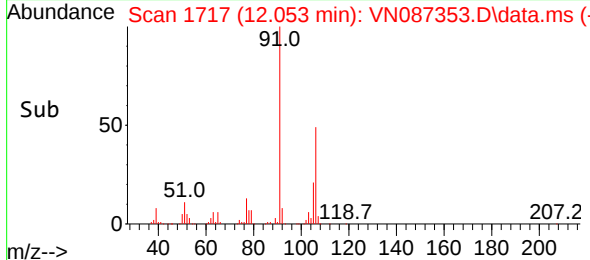
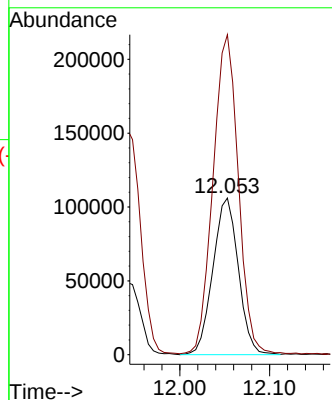
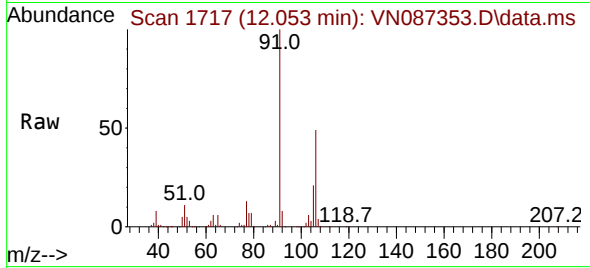
#67
m/p-Xylenes
Concen: 40.039 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 208770
Ion Ratio Lower Upper
106 100
91 203.4 163.0 244.4

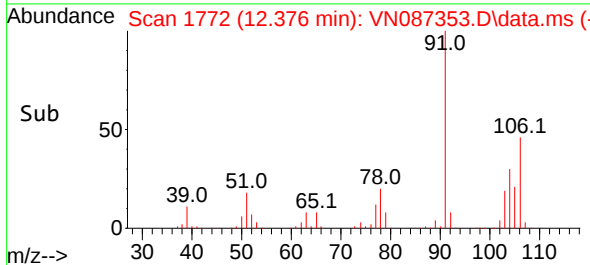
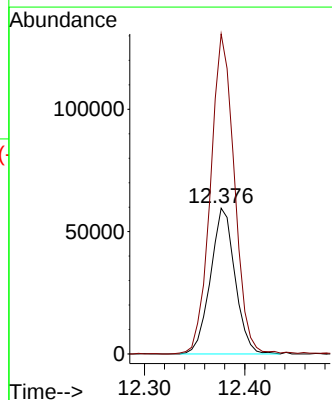
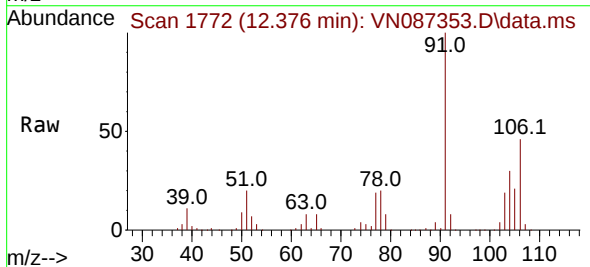
Manual Integrations
APPROVED

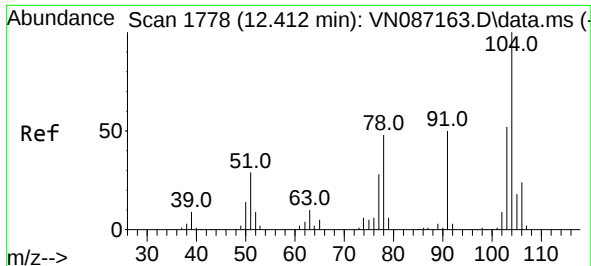
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#68
o-Xylene
Concen: 20.351 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

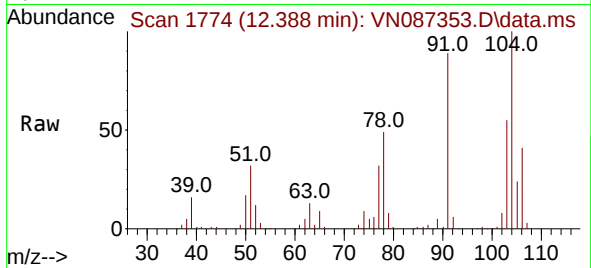
Tgt Ion:106 Resp: 101235
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.1





#69
Styrene
Concen: 19.940 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

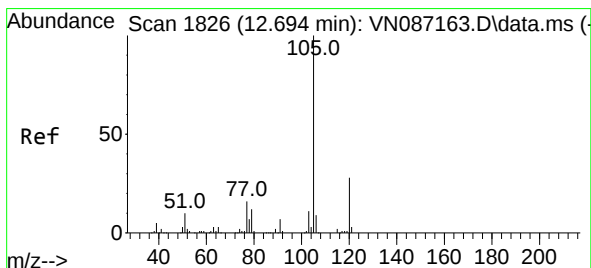
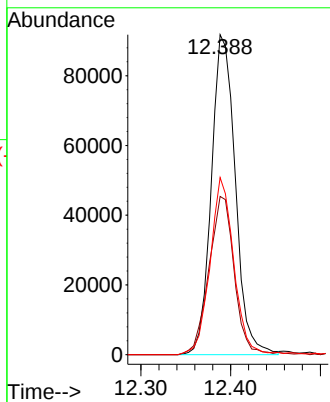
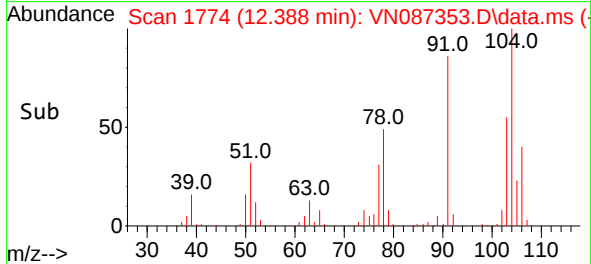
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:104 Resp: 170293
Ion Ratio Lower Upper
104 100
78 51.8 39.8 59.8
103 54.3 44.2 66.4

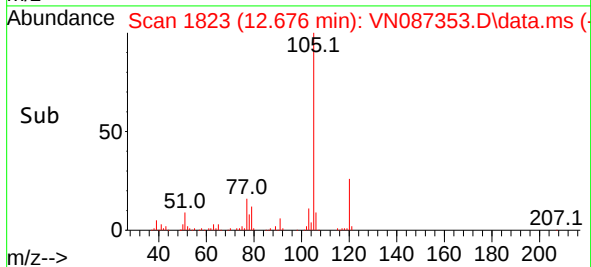
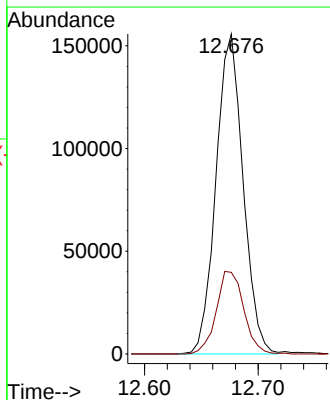
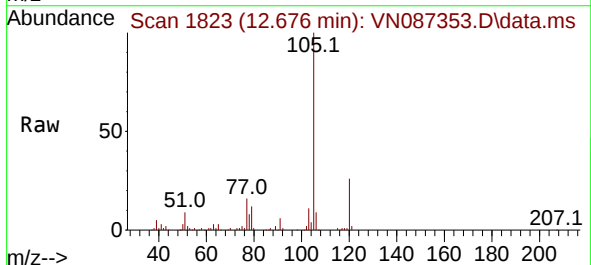
Manual Integrations
APPROVED

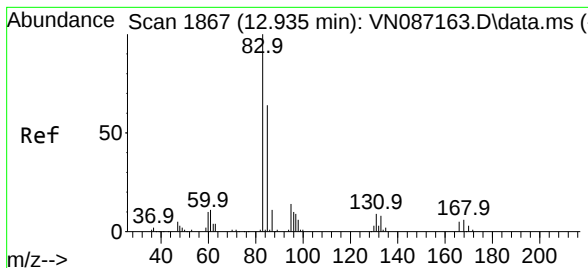
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#70
Isopropylbenzene
Concen: 20.841 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:105 Resp: 258198
Ion Ratio Lower Upper
105 100
120 26.1 19.0 35.2





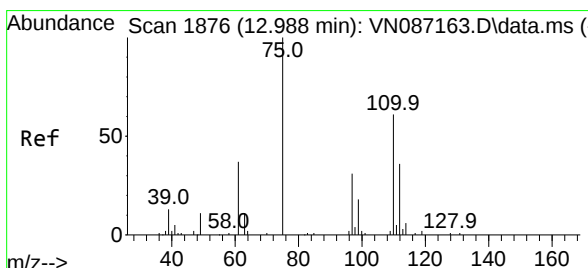
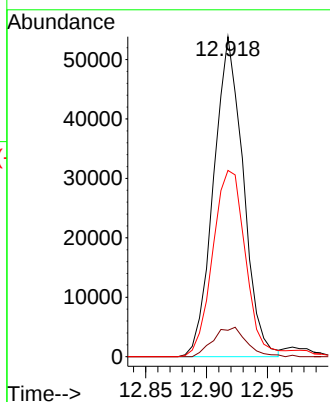
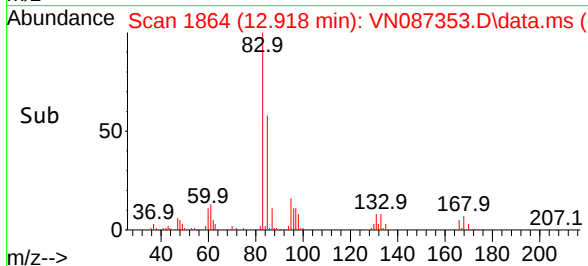
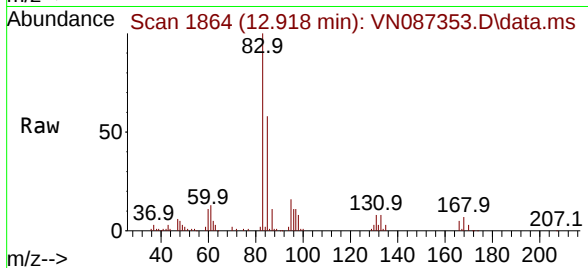
#71
1,1,2,2-Tetrachloroethane
Concen: 20.465 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 9126
Ion Ratio Lower Upper
83 100
131 10.3 4.5 13.4
85 64.5 31.3 93.9

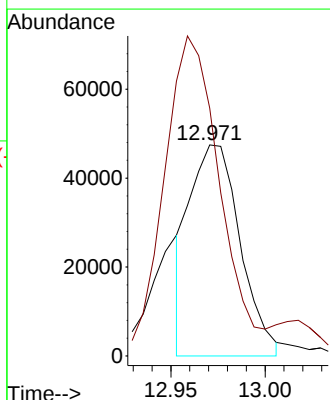
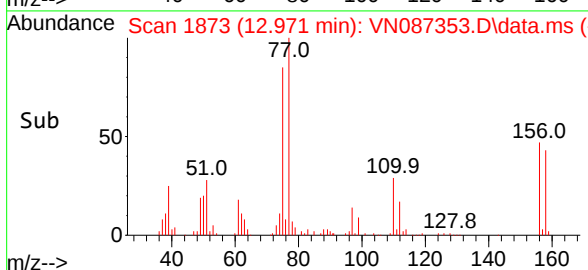
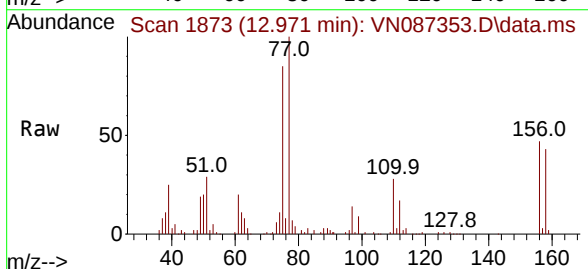
Manual Integrations
APPROVED

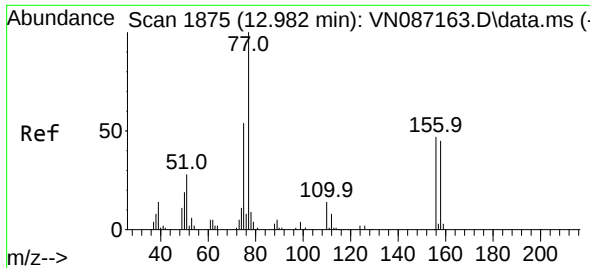
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#72
1,2,3-Trichloropropane
Concen: 22.968 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 75 Resp: 88323
Ion Ratio Lower Upper
75 100
77 168.2 0.0 379.2





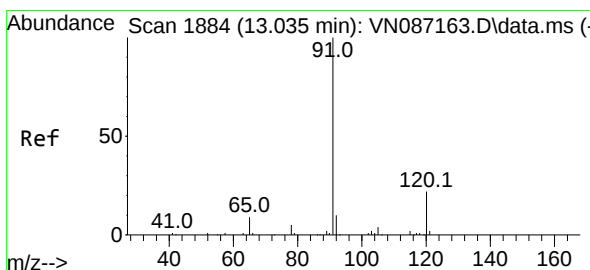
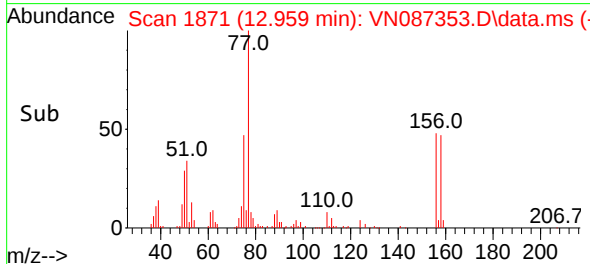
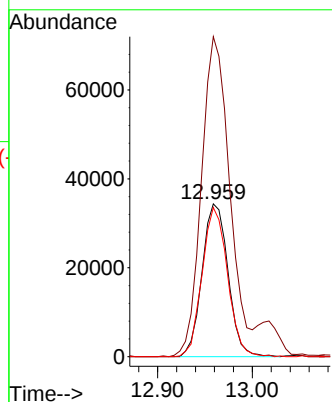
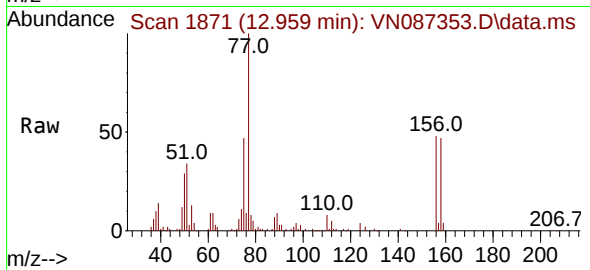
#73
Bromobenzene
Concen: 21.751 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:156 Resp: 6536
Ion Ratio Lower Upper
156 100
77 227.3 0.0 489.0
158 95.6 0.0 195.2

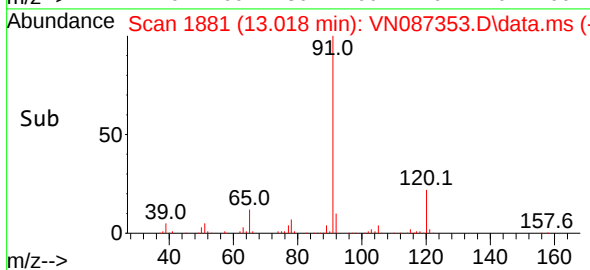
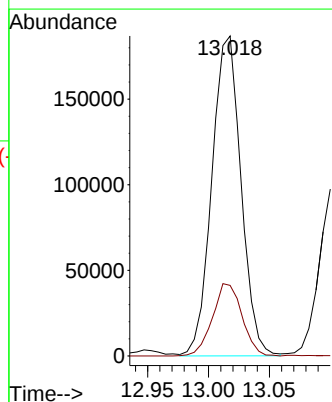
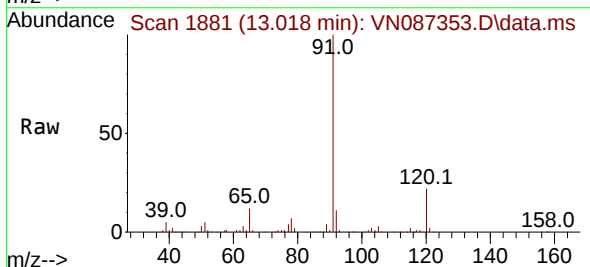
Manual Integrations
APPROVED

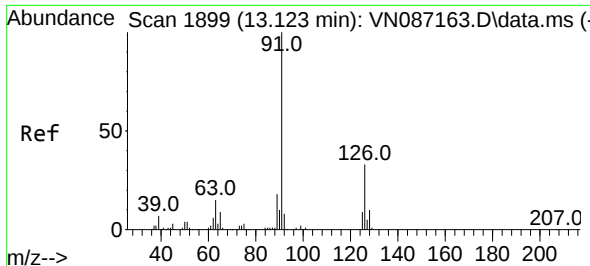
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#74
n-propylbenzene
Concen: 20.544 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 91 Resp: 310937
Ion Ratio Lower Upper
91 100
120 22.9 0.0 43.6





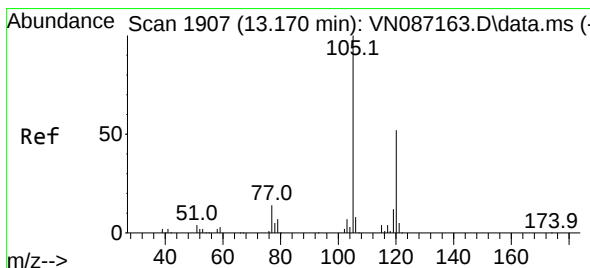
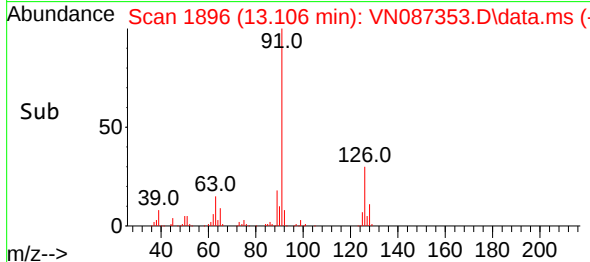
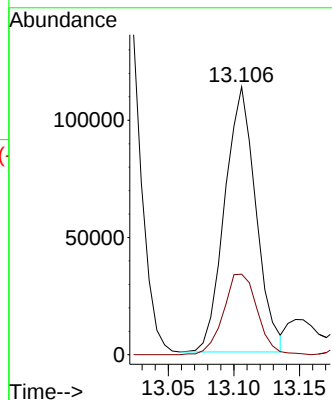
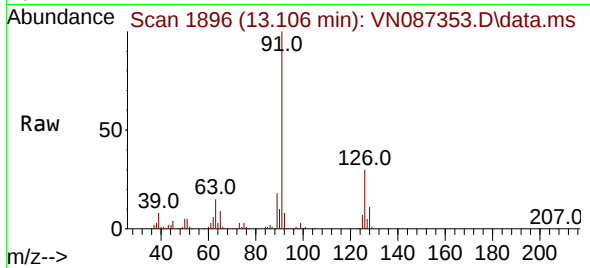
#75
2-Chlorotoluene
Concen: 20.493 ug/l
RT: 13.106 min Scan# 1899
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 187392
Ion Ratio Lower Upper
91 100
126 32.9 0.0 63.8

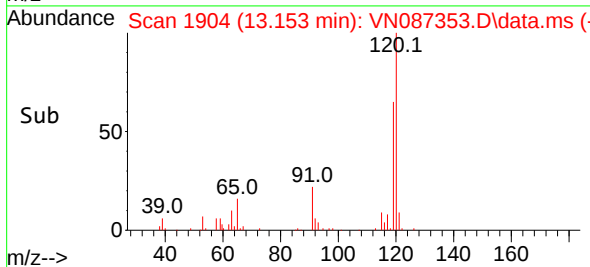
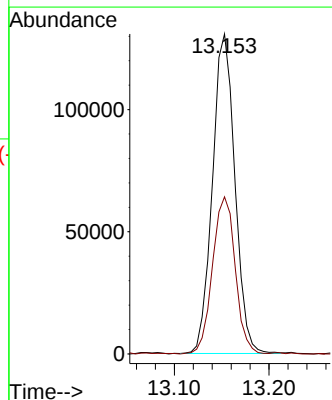
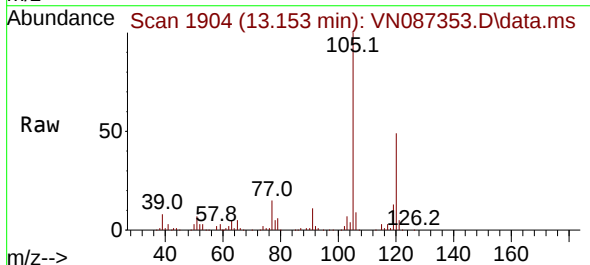
Manual Integrations
APPROVED

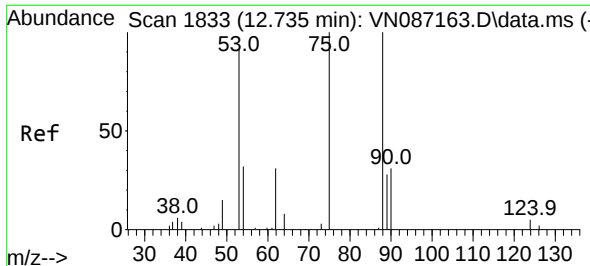
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#76
1,3,5-Trimethylbenzene
Concen: 21.335 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

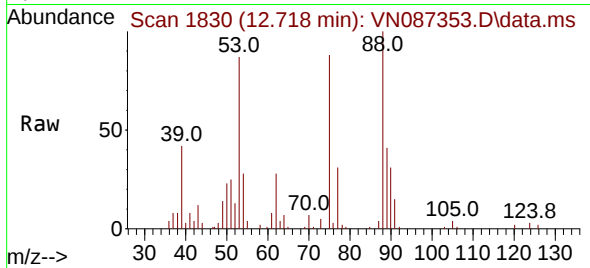
Tgt Ion:105 Resp: 215176
Ion Ratio Lower Upper
105 100
120 49.8 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 18.956 ug/l
RT: 12.718 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

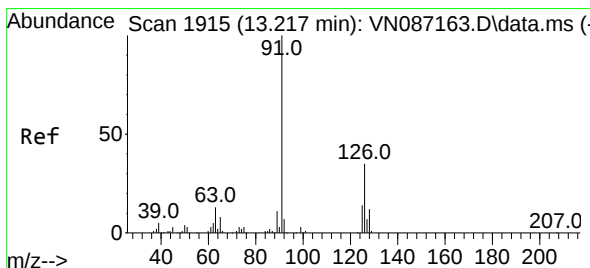
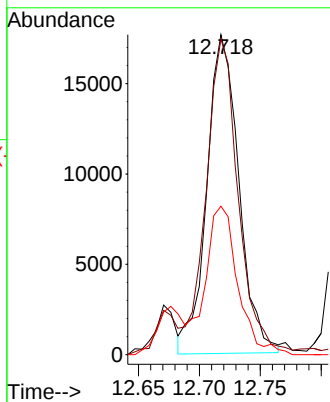
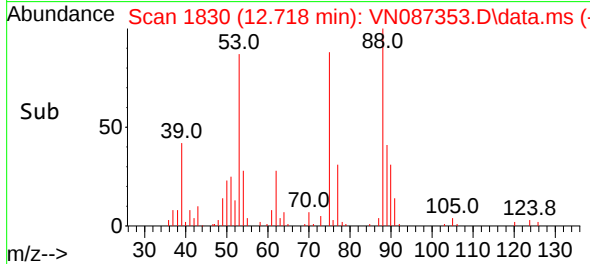
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 32334
Ion Ratio Lower Upper
75 100
53 99.0 45.9 137.6
89 46.2 22.3 66.9

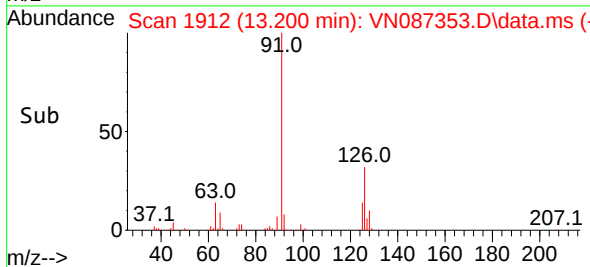
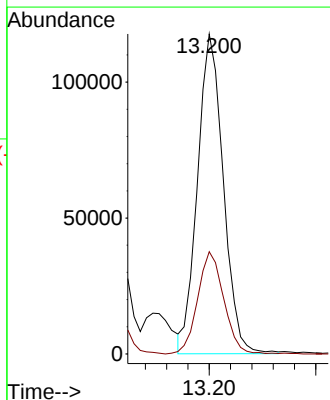
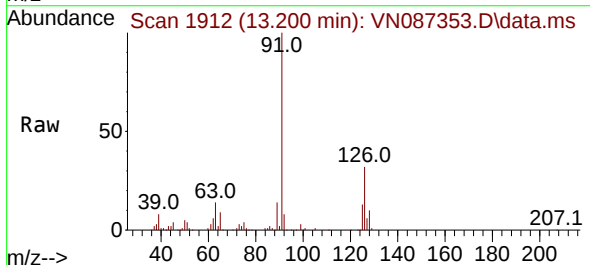
Manual Integrations
APPROVED

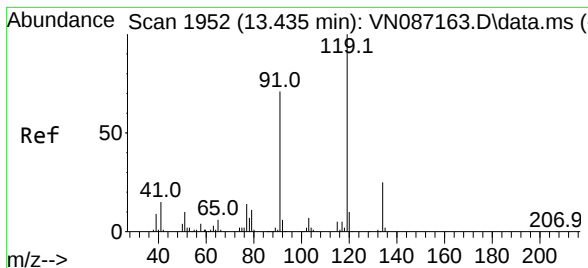
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#78
4-Chlorotoluene
Concen: 21.150 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

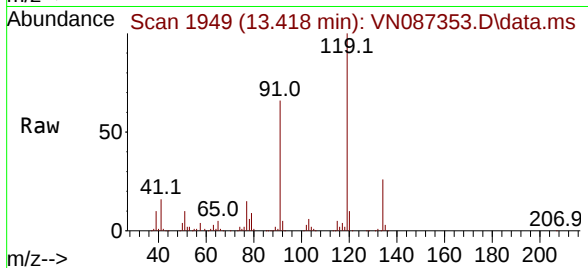
Tgt Ion: 91 Resp: 198075
Ion Ratio Lower Upper
91 100
126 32.3 0.0 65.2





#79
tert-butylbenzene
Concen: 21.488 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

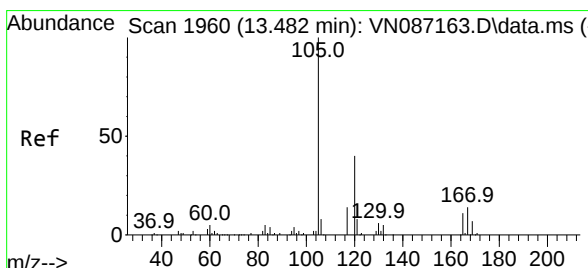
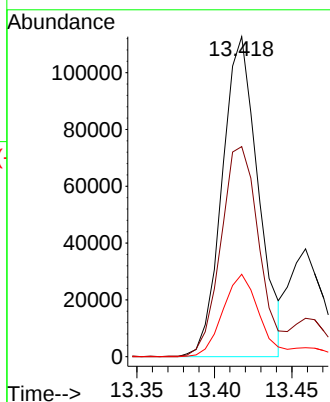
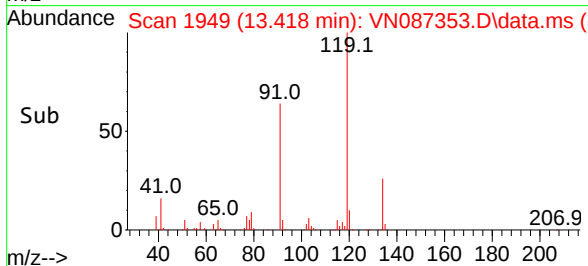
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:119 Resp: 18217
Ion Ratio Lower Upper
119 100
91 70.7 0.0 137.0
134 25.7 0.0 49.4

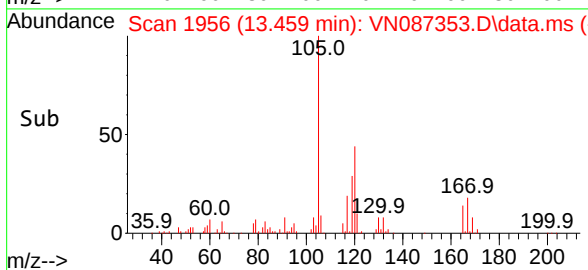
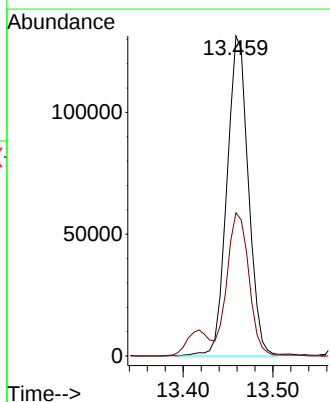
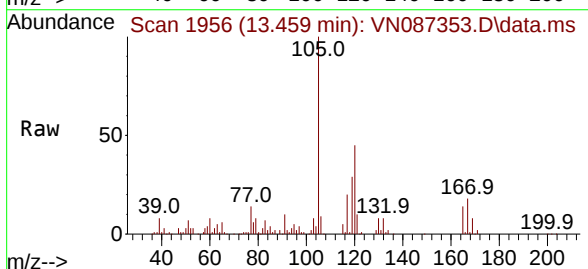
Manual Integrations
APPROVED

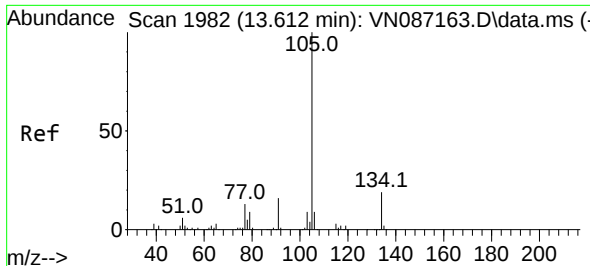
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#80
1,2,4-Trimethylbenzene
Concen: 21.477 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:105 Resp: 217511
Ion Ratio Lower Upper
105 100
120 44.6 0.0 94.0





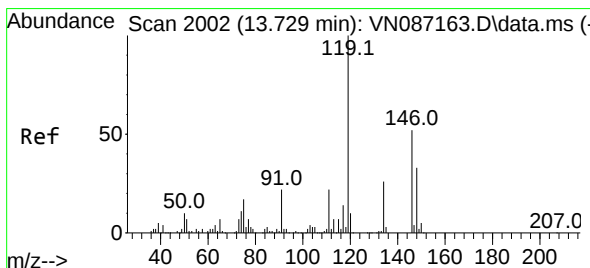
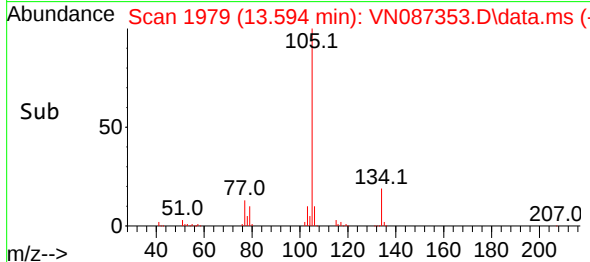
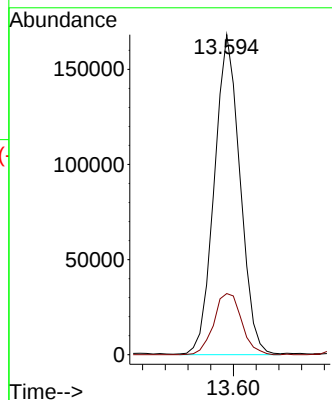
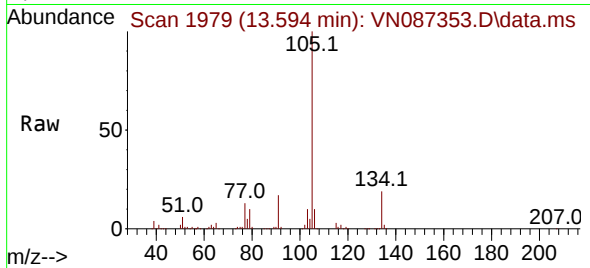
#81
 sec-Butylbenzene
 Concen: 21.448 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.018 min
 Lab File: VN087353.D
 Acq: 18 Jul 2025 09:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 264335
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 39.4

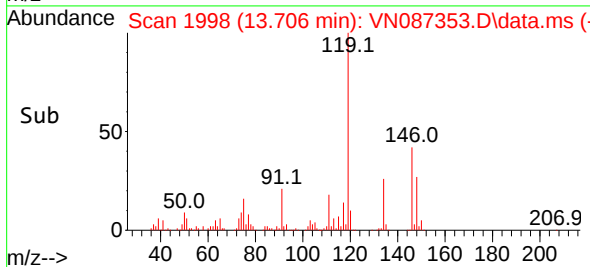
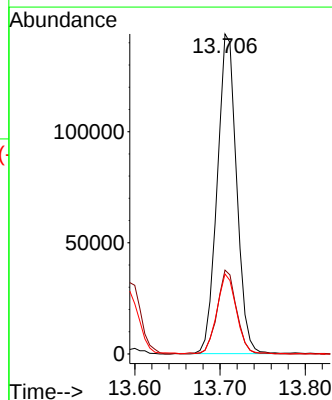
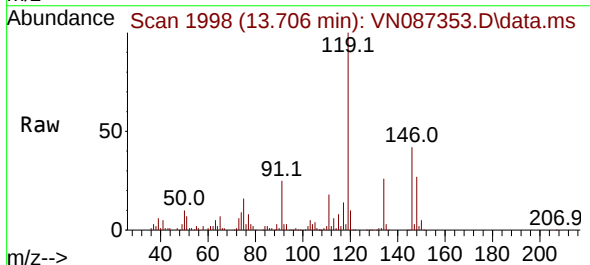
Manual Integrations
 APPROVED

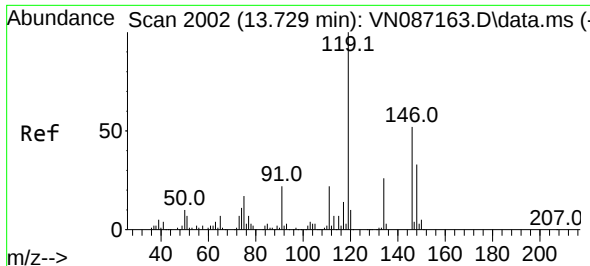
Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025



#82
 p-Isopropyltoluene
 Concen: 22.171 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.023 min
 Lab File: VN087353.D
 Acq: 18 Jul 2025 09:15

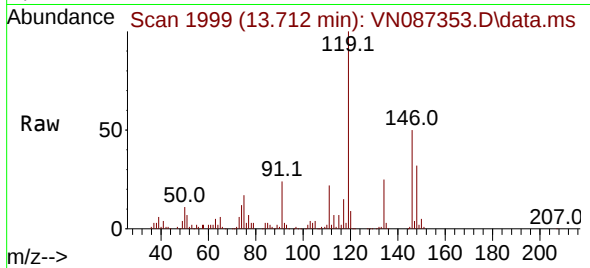
Tgt Ion:119 Resp: 227385
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.2
 91 25.3 0.0 46.4





#83
1,3-Dichlorobenzene
Concen: 21.391 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

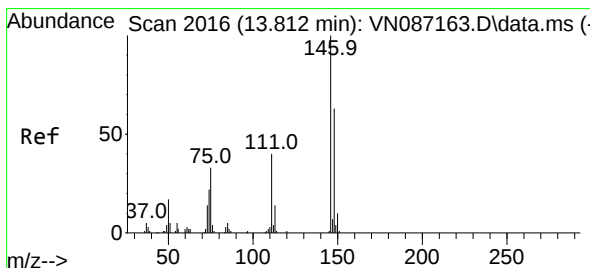
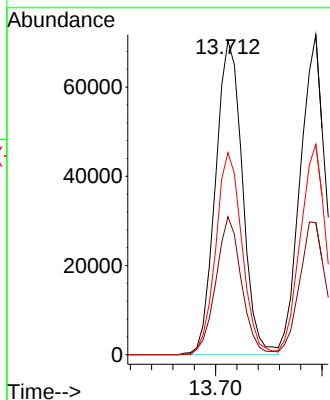
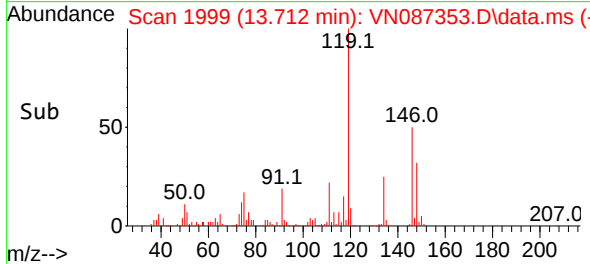
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 123794
Ion Ratio Lower Upper
146 100
111 41.9 21.1 63.3
148 62.6 31.6 94.8

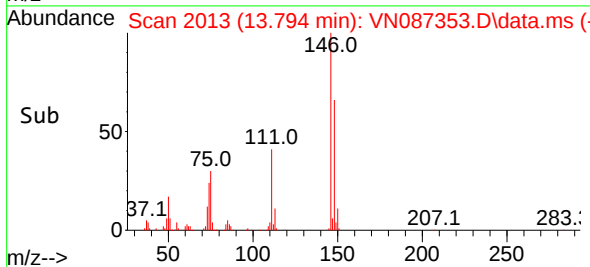
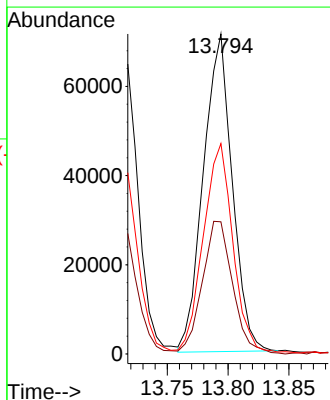
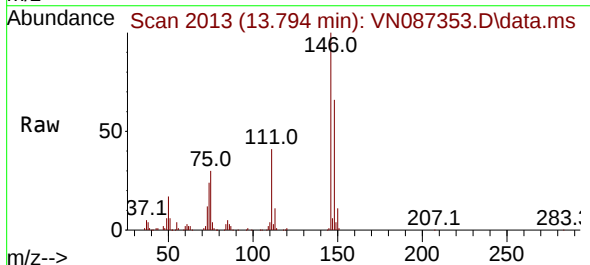
Manual Integrations
APPROVED

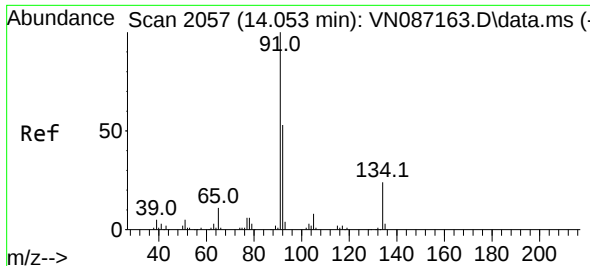
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#84
1,4-Dichlorobenzene
Concen: 20.178 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:146 Resp: 117522
Ion Ratio Lower Upper
146 100
111 43.9 20.1 60.2
148 68.9 31.4 94.2





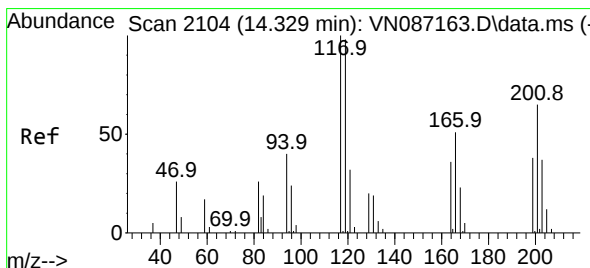
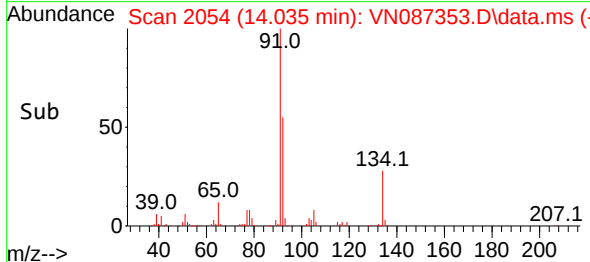
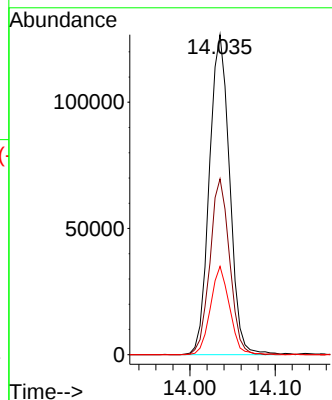
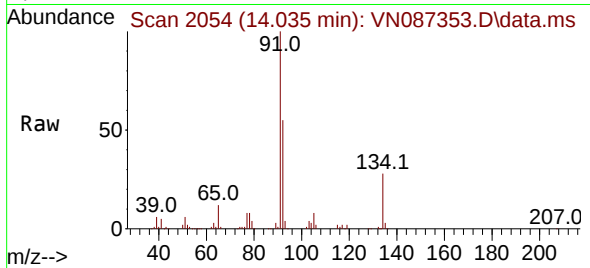
#85
n-Butylbenzene
Concen: 22.382 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 20944
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.4
134 26.0 0.0 48.8

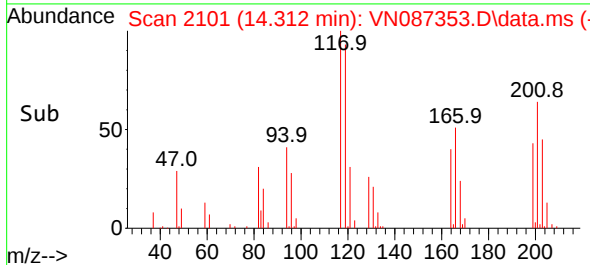
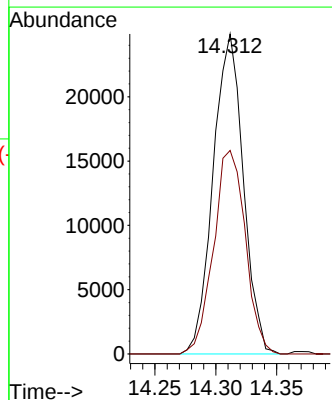
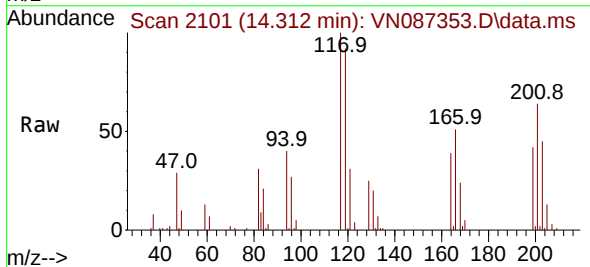
Manual Integrations
APPROVED

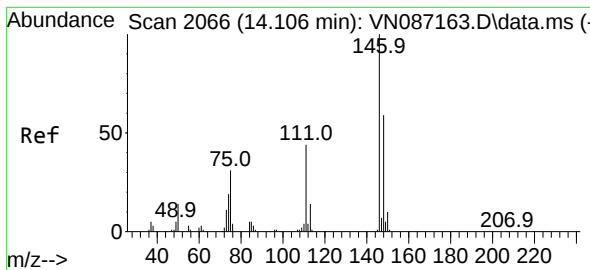
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#86
Hexachloroethane
Concen: 22.079 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:117 Resp: 42865
Ion Ratio Lower Upper
117 100
201 67.1 30.8 92.3





#87

1,2-Dichlorobenzene

Concen: 21.442 ug/l

RT: 14.082 min Scan# 2066

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 11700

Ion Ratio Lower Upper

146 100

111 43.9 22.1 66.1

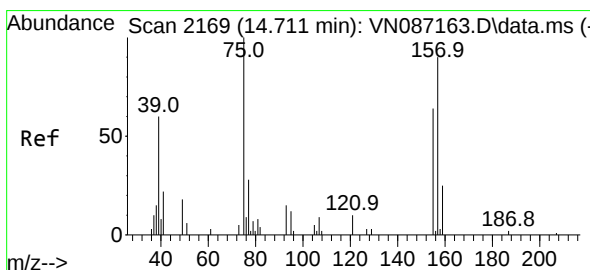
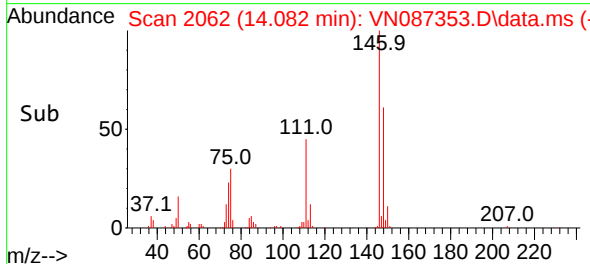
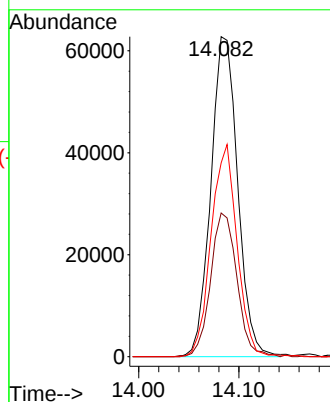
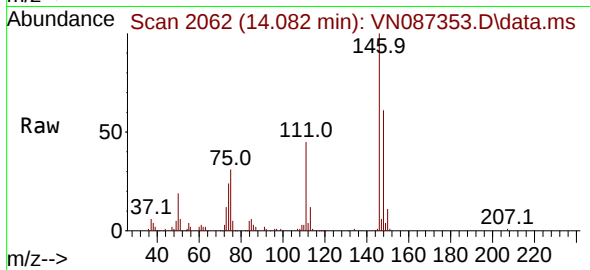
148 63.7 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.839 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

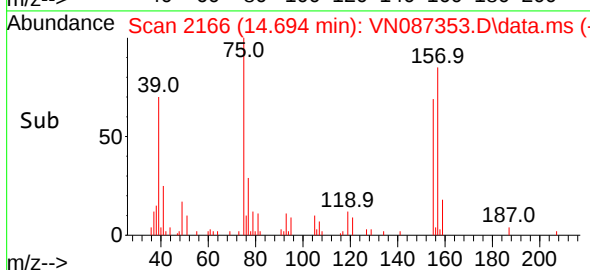
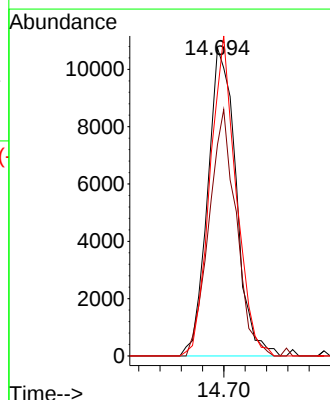
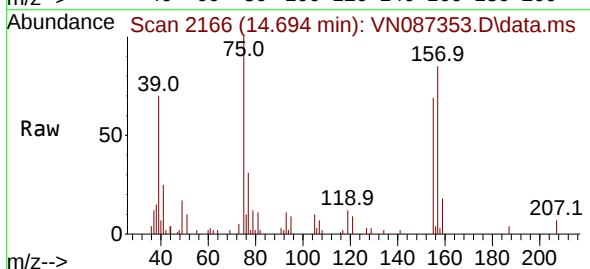
Tgt Ion: 75 Resp: 19921

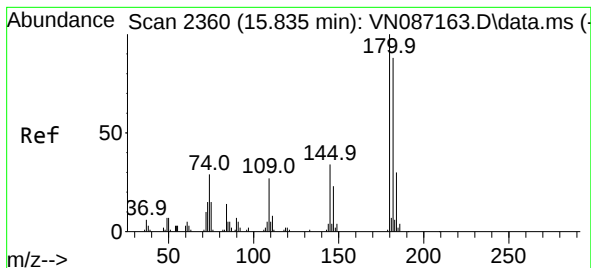
Ion Ratio Lower Upper

75 100

155 76.5 58.3 87.5

157 95.5 79.2 118.8





#89

1,2,4-Trichlorobenzene

Concen: 22.107 ug/l

RT: 15.817 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

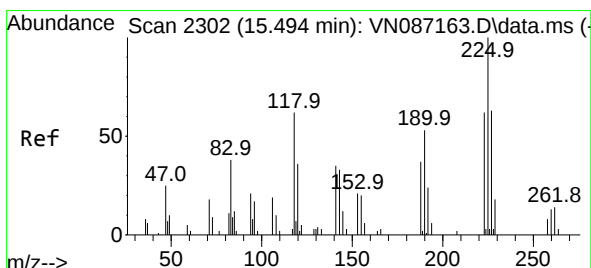
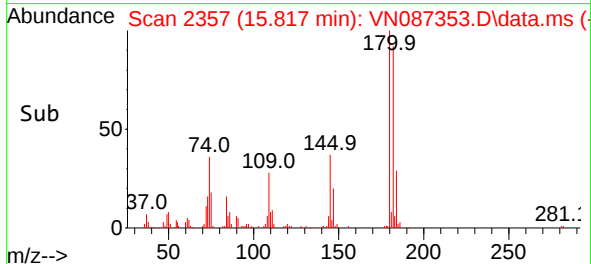
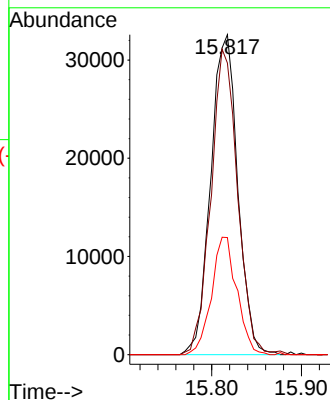
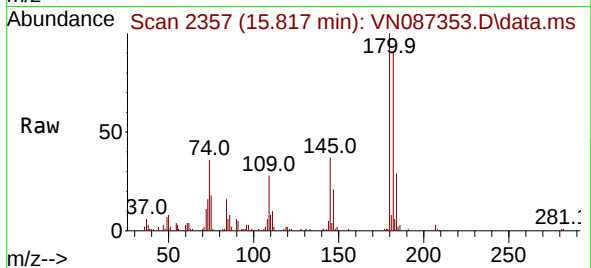
Tgt Ion:180	Resp:	6824	
Ion Ratio	Lower	Upper	
180	100		
182	93.6	74.2	111.2
145	34.4	27.6	41.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#90

Hexachlorobutadiene

Concen: 30.624 ug/l

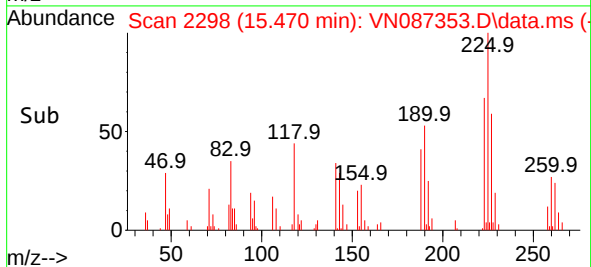
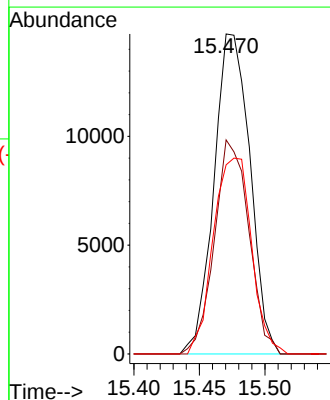
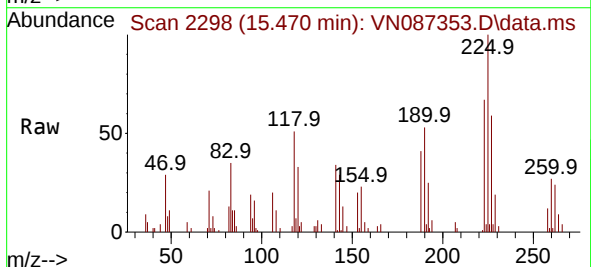
RT: 15.470 min Scan# 2298

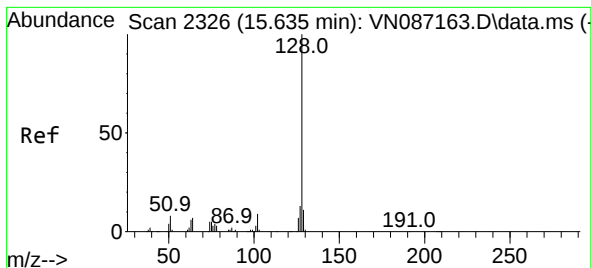
Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Tgt Ion:225	Resp:	28055	
Ion Ratio	Lower	Upper	
225	100		
223	64.1	0.0	134.2
227	65.0	0.0	122.6





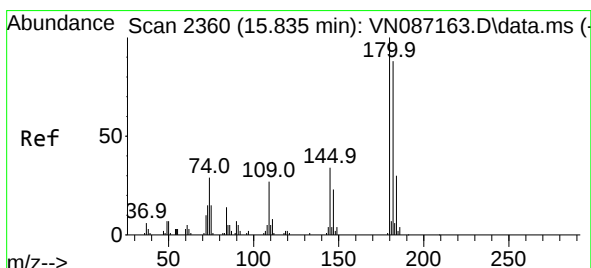
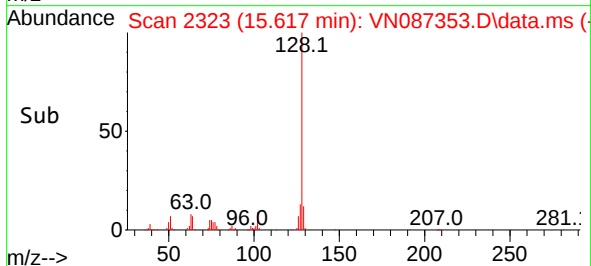
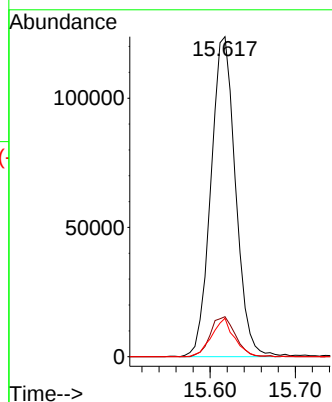
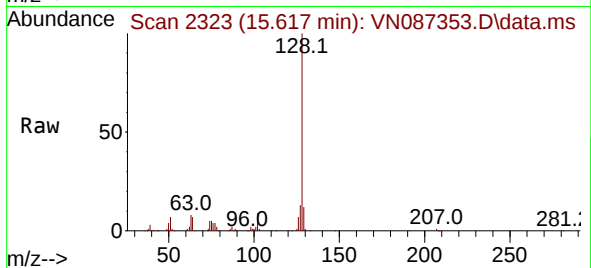
#91
Naphthalene
Concen: 20.451 ug/l
RT: 15.617 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 24848
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 11.1 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#92
1,2,3-Trichlorobenzene
Concen: 22.107 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:180 Resp: 68248
Ion Ratio Lower Upper
180 100
182 93.6 0.0 185.4
145 34.4 0.0 69.0

