

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100925\
 Data File : VN088053.D
 Acq On : 09 Oct 2025 15:18
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 10 01:07:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	67497	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.077	114	373268	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	327594	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	161030	30.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.133%			
60) 4-Bromofluorobenzene	12.823	95	164360	30.434	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.433%			
63) Toluene-d8	10.541	98	450421	30.860	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.867%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	66071	17.090	ug/l	95
3) Chloromethane	2.383	50	70368	16.055	ug/l	99
4) Vinyl Chloride	2.536	62	77189	16.890	ug/l	97
5) Bromomethane	2.983	94	41996	17.089	ug/l	91
6) Chloroethane	3.142	64	49238	16.332	ug/l	96
7) Trichlorofluoromethane	3.512	101	104461	16.808	ug/l	97
8) Diethyl Ether	3.953	74	46473	16.550	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	54676m	16.435	ug/l	
10) 1,1-Dichloroethene	4.336	96	58947	16.610	ug/l	95
11) Methyl Iodide	4.583	142	47634	14.563	ug/l	97
12) Methyl Acetate	5.012	43	92567	16.044	ug/l	92
13) Acrolein	4.177	56	74174	83.078	ug/l #	3
14) Acrylonitrile	5.700	53	211479	75.956	ug/l	99
15) Acetone	4.424	58	59020	72.383	ug/l	91
16) Carbon Disulfide	4.700	76	183353	16.481	ug/l	98
17) Allyl chloride	5.018	41	109499	16.351	ug/l	99
18) Methylene Chloride	5.265	84	74939	16.614	ug/l #	94
19) trans-1,2-Dichloroethene	5.771	96	69089	16.838	ug/l	94
20) Diisopropyl ether	6.653	45	257441	16.886	ug/l	99
21) 1,1-Dichloroethane	6.553	63	136660	17.219	ug/l	95
22) cis-1,2-Dichloroethene	7.471	96	83749	16.305	ug/l	95
23) tert-Butyl Alcohol	5.506	59	79947	71.595	ug/l #	100
24) Methyl tert-Butyl Ether	5.777	73	255647	16.689	ug/l	100
25) Chloroform	7.947	83	137414	16.778	ug/l	97
26) Cyclohexane	8.236	56	103496	15.739	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	90153	16.850	ug/l	98
30) 2-Butanone	7.465	43	300336	76.109	ug/l	99
31) 2,2-Dichloropropane	7.471	77	114772	16.648	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	113763	17.016	ug/l	98
33) Carbon Tetrachloride	8.341	117	95243	17.008	ug/l	96
34) Benzene	8.588	78	297612	16.770	ug/l	99
35) Methacrylonitrile	7.759	41	65128	15.695	ug/l	94
36) 1,2-Dichloroethane	8.647	62	104592	16.976	ug/l	100
37) Trichloroethene	9.330	130	68184	16.216	ug/l	98
38) Methylcyclohexane	9.577	83	108224	16.379	ug/l	96
39) 1,2-Dichloropropane	9.600	63	75556	16.979	ug/l	94
40) Dibromomethane	9.688	93	54947	16.963	ug/l	95
41) Bromodichloromethane	9.865	83	111105	16.795	ug/l	91
42) Vinyl Acetate	6.589	43	1167737	86.865	ug/l	97

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 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

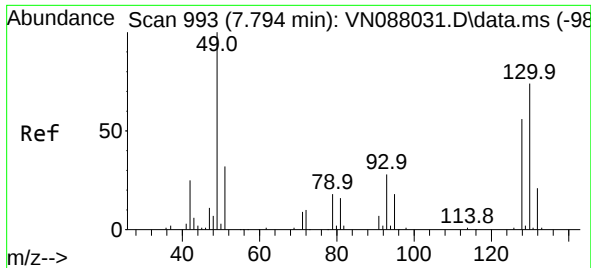
Manual Integrations
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 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 10 01:07:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	122874	16.198	ug/l	96
44) Isopropyl Acetate	8.671	43	199493	16.102	ug/l	97
45) 1,4-Dioxane	9.677	88	28974	351.623	ug/l #	95
46) Methyl methacrylate	9.665	41	91105	16.698	ug/l	94
47) n-amyl Acetate	12.582	43	114040m	19.420	ug/l	
48) t-1,3-Dichloropropene	10.812	75	120346	16.360	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	129065	16.820	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	70726	16.488	ug/l	98
51) Ethyl methacrylate	10.853	69	118689	16.349	ug/l	98
52) 1,3-Dichloropropane	11.141	76	125421	16.759	ug/l	100
53) Dibromochloromethane	11.335	129	84293	16.437	ug/l	97
54) 1,2-Dibromoethane	11.447	107	73984	16.133	ug/l	100
55) 2-Chloroethyl vinyl ether	10.135	63	343174	87.578	ug/l	99
56) Bromoform	12.559	173	52025	15.006	ug/l	98
58) 4-Methyl-2-Pentanone	10.424	43	585837	79.951	ug/l	99
59) 2-Hexanone	11.177	43	384153	79.405	ug/l	99
61) Tetrachloroethene	11.082	164	54529	16.437	ug/l	93
62) Toluene	10.606	91	317844	17.105	ug/l	100
64) Chlorobenzene	11.871	112	202161	17.033	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.935	131	69040	16.879	ug/l	97
66) Ethyl Benzene	11.941	91	348063	17.226	ug/l	98
67) m/p-Xylenes	12.047	106	268585	34.481	ug/l	99
68) o-Xylene	12.376	106	132388	17.073	ug/l	98
69) Styrene	12.388	104	218499	17.034	ug/l	99
70) Isopropylbenzene	12.676	105	325751	17.140	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	103308	16.033	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	99806m	16.679	ug/l	
73) Bromobenzene	12.959	156	75826	16.324	ug/l	93
74) n-propylbenzene	13.012	91	392988	17.129	ug/l	100
75) 2-Chlorotoluene	13.100	91	241873	17.242	ug/l	98
76) 1,3,5-Trimethylbenzene	13.147	105	273398	16.935	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	34334	14.397	ug/l	79
78) 4-Chlorotoluene	13.200	91	250072	17.546	ug/l	97
79) tert-butylbenzene	13.412	119	239873	17.140	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	276208	17.091	ug/l	98
81) sec-Butylbenzene	13.594	105	338041	17.180	ug/l	98
82) p-Isopropyltoluene	13.706	119	283227	16.859	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	146947	16.813	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	154482	17.139	ug/l	98
85) n-Butylbenzene	14.035	91	262305	16.783	ug/l	100
86) Hexachloroethane	14.306	117	55192	16.400	ug/l	93
87) 1,2-Dichlorobenzene	14.082	146	143672	16.713	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	22606	15.276	ug/l	93
89) 1,2,4-Trichlorobenzene	15.806	180	79784	15.581	ug/l	99
90) Hexachlorobutadiene	15.476	225	26733	15.001	ug/l	96
91) Naphthalene	15.612	128	288677	15.399	ug/l	100
92) 1,2,3-Trichlorobenzene	15.806	180	79784	15.581	ug/l	99

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



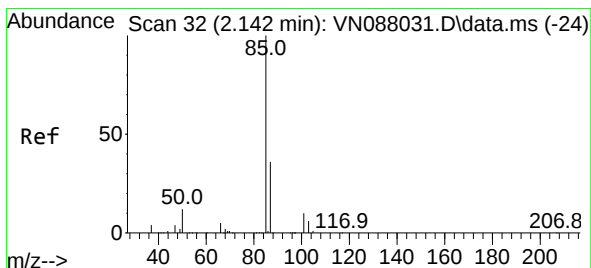
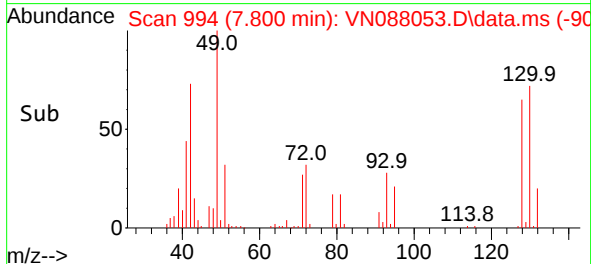
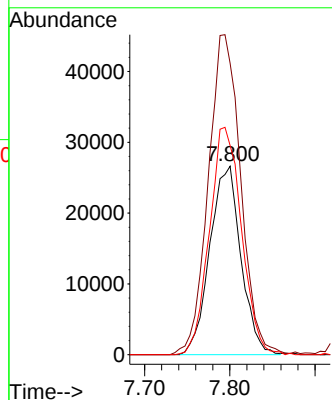
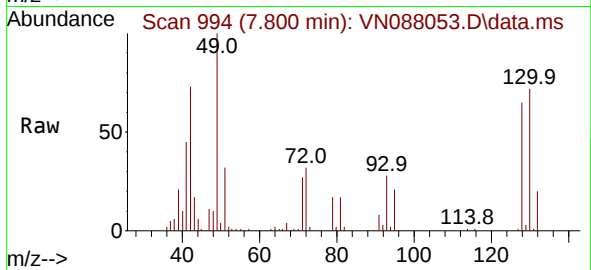
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:128 Resp: 6749
Ion Ratio Lower Upper
128 100
49 177.0 0.0 439.8
130 124.4 0.0 325.8

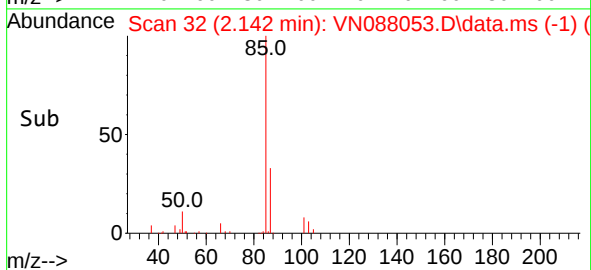
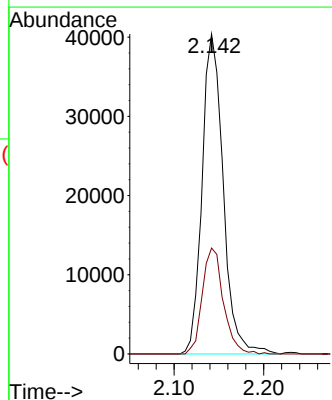
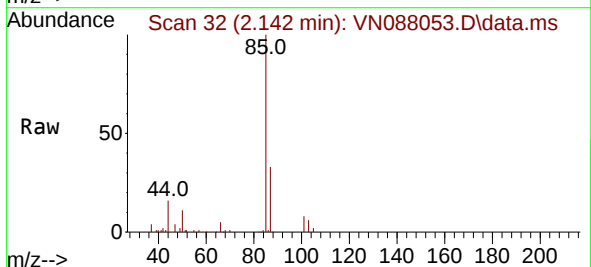
Manual Integrations
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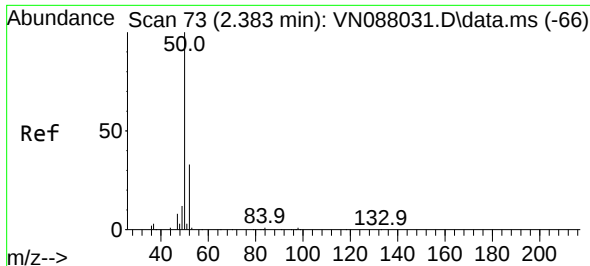
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 17.090 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

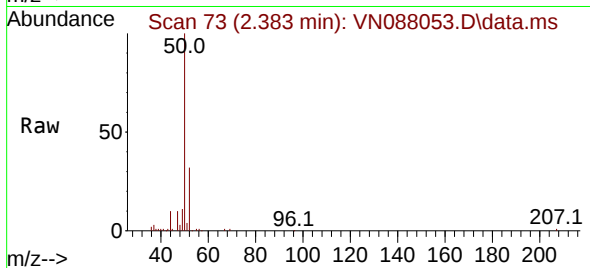
Tgt Ion: 85 Resp: 66071
Ion Ratio Lower Upper
85 100
87 33.1 17.9 53.8





#3
Chloromethane
Concen: 16.055 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

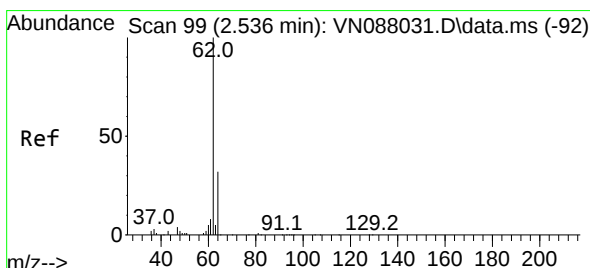
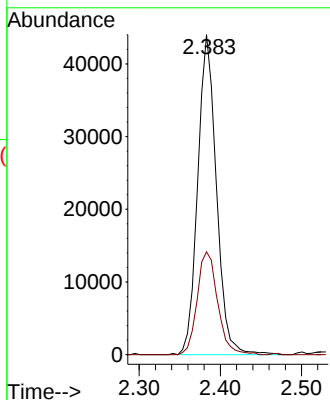
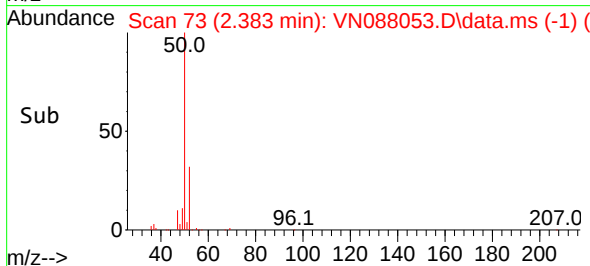
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



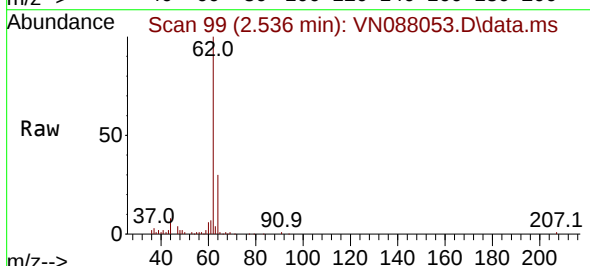
Tgt Ion: 50 Resp: 70368
Ion Ratio Lower Upper
50 100
52 32.2 26.3 39.5

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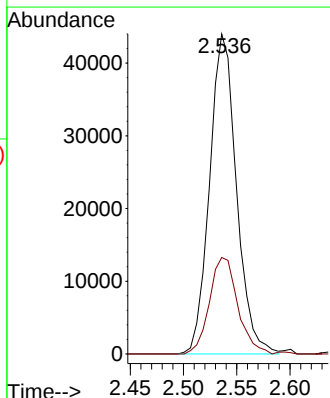
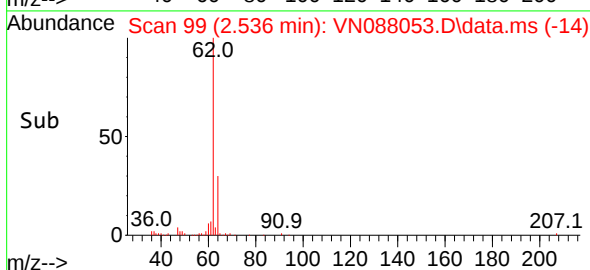
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

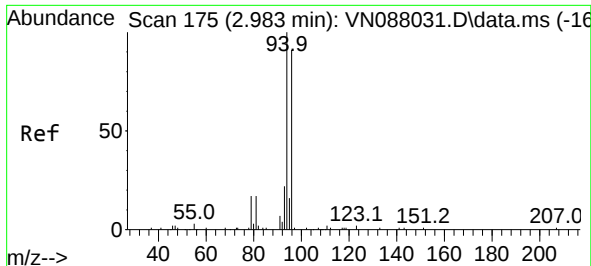


#4
Vinyl Chloride
Concen: 16.890 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



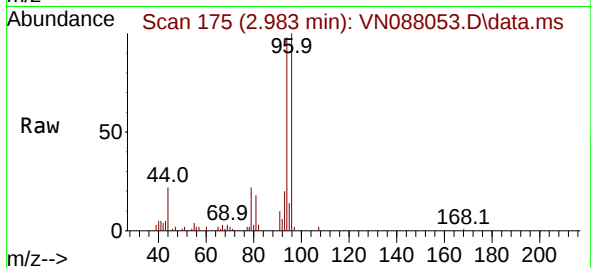
Tgt Ion: 62 Resp: 77189
Ion Ratio Lower Upper
62 100
64 30.2 25.7 38.5





#5
Bromomethane
Concen: 17.089 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

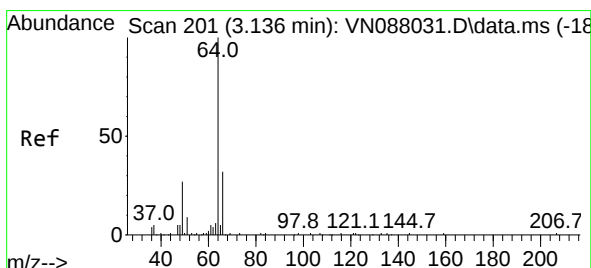
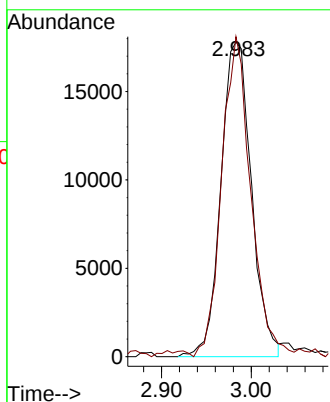
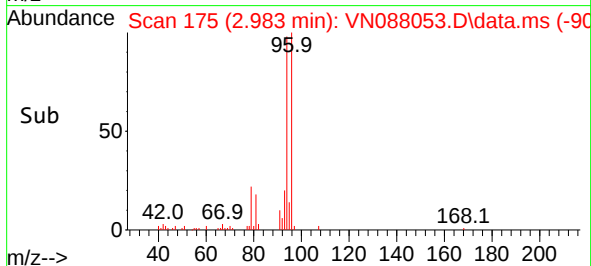
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



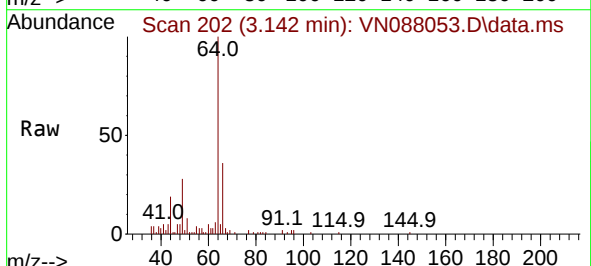
Tgt Ion: 94 Resp: 41990
Ion Ratio Lower Upper
94 100
96 100.0 73.0 109.4

Manual Integrations
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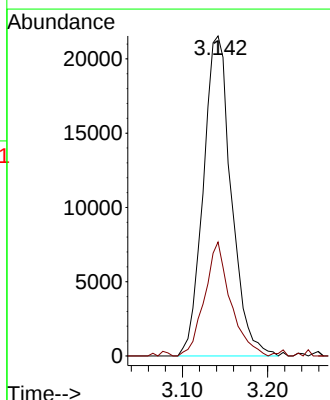
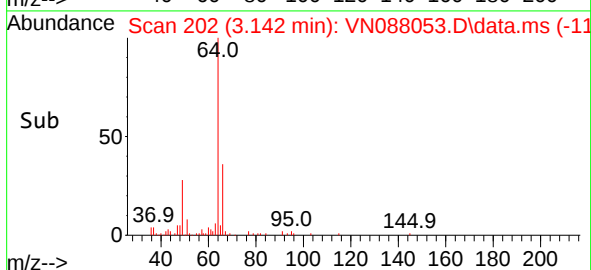
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

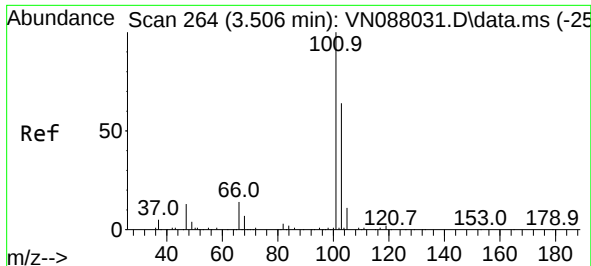


#6
Chloroethane
Concen: 16.332 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



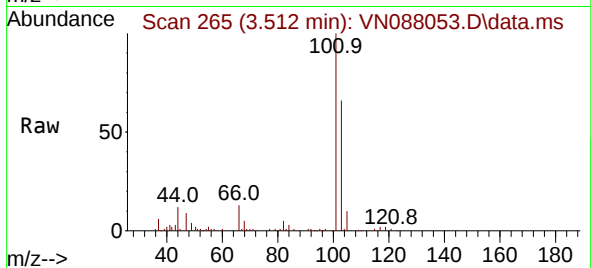
Tgt Ion: 64 Resp: 49238
Ion Ratio Lower Upper
64 100
66 35.6 26.8 40.2





#7
 Trichlorofluoromethane
 Concen: 16.808 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088053.D
 Acq: 09 Oct 2025 15:18

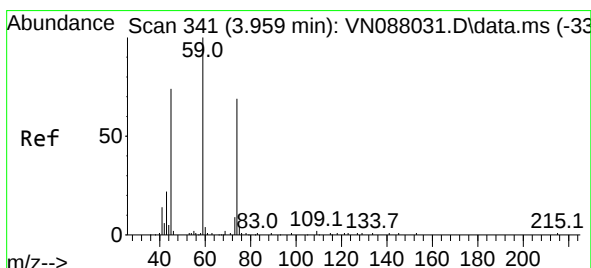
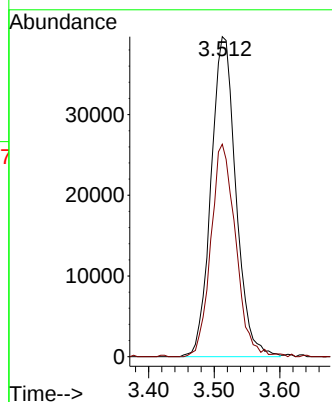
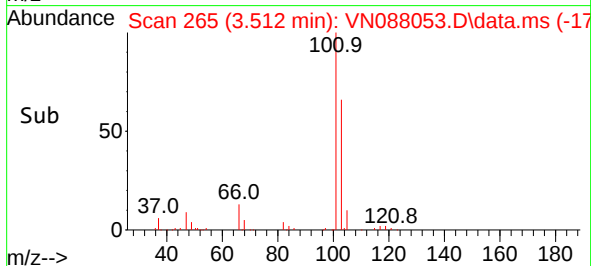
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion:101 Resp: 10446
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.0 76.4

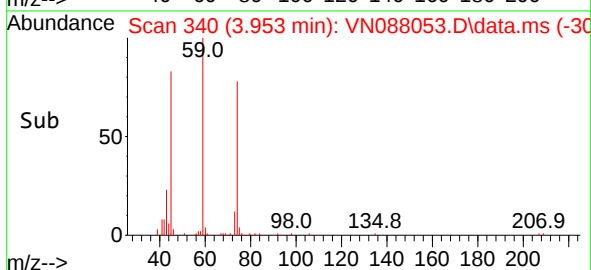
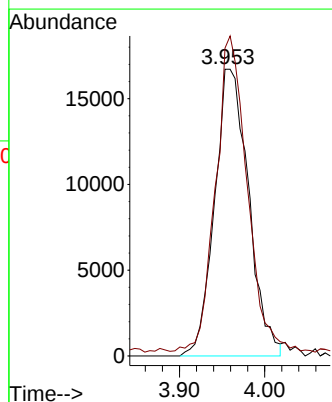
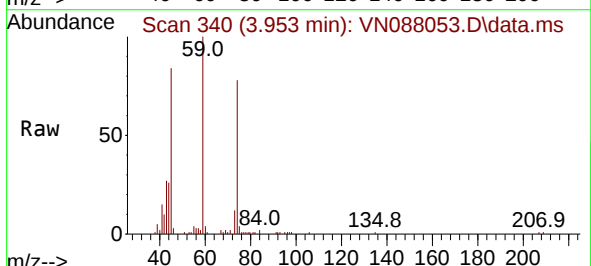
Manual Integrations
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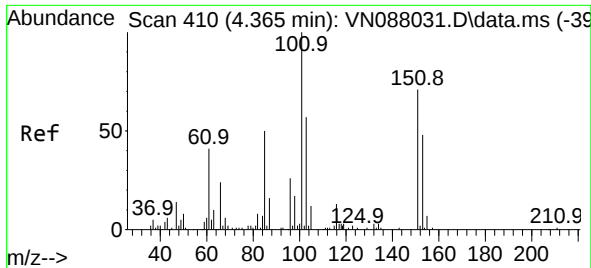
Reviewed By :John Carlone 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#8
 Diethyl Ether
 Concen: 16.550 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.006 min
 Lab File: VN088053.D
 Acq: 09 Oct 2025 15:18

Tgt Ion: 74 Resp: 46473
 Ion Ratio Lower Upper
 74 100
 45 101.4 20.4 183.8





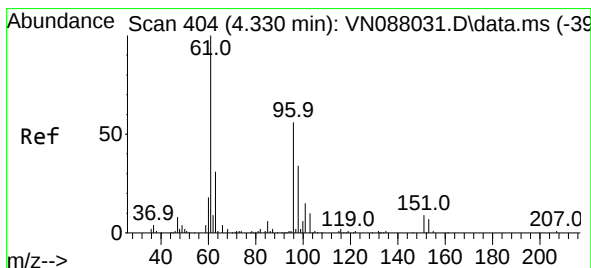
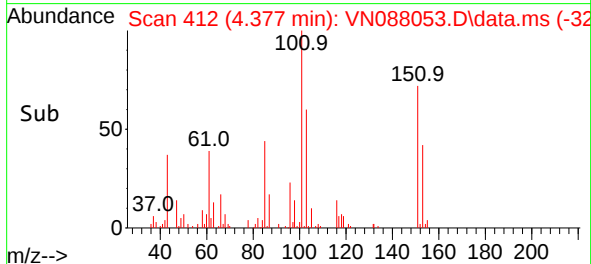
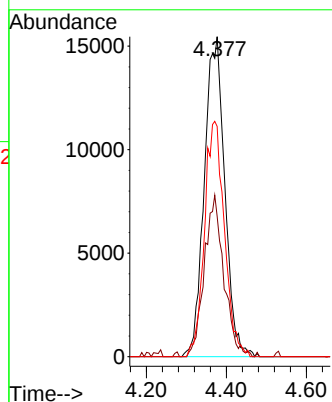
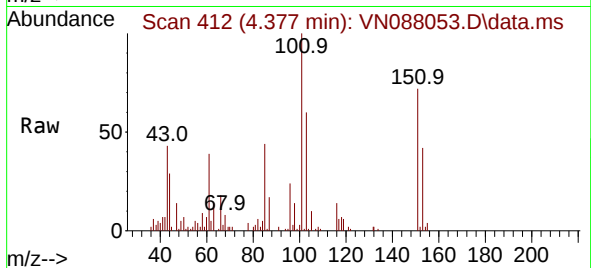
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1,1,2-Trichlorotrifluoroethane
Concen: 16.435 ug/l m
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 54670
Ion Ratio Lower Upper
101 100
85 47.3 0.0 103.2
151 72.0 0.0 141.4

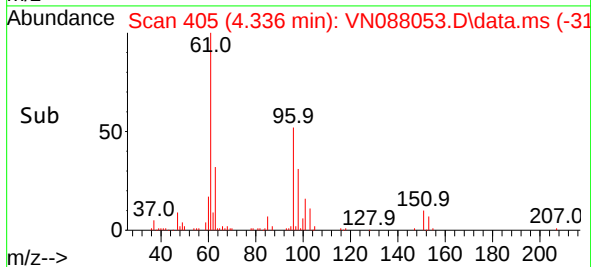
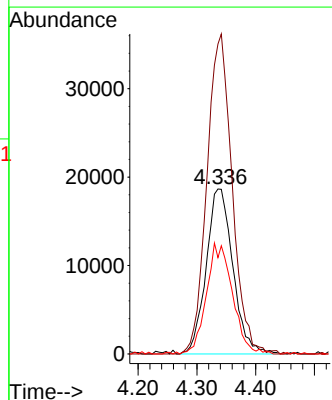
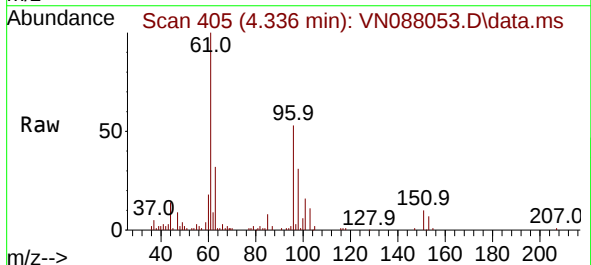
Manual Integrations
APPROVED

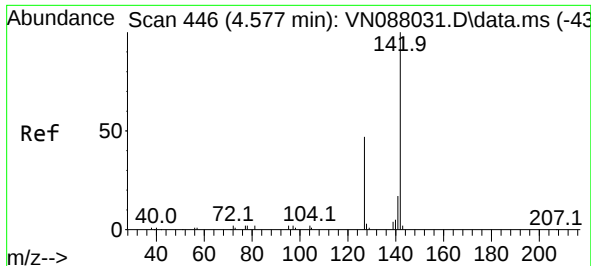
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
1,1-Dichloroethene
Concen: 16.610 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

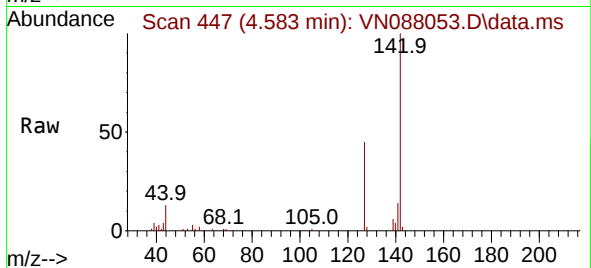
Tgt Ion: 96 Resp: 58947
Ion Ratio Lower Upper
96 100
61 187.8 144.1 216.1
98 58.4 49.0 73.6





#11
Methyl Iodide
Concen: 14.563 ug/l
RT: 4.583 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

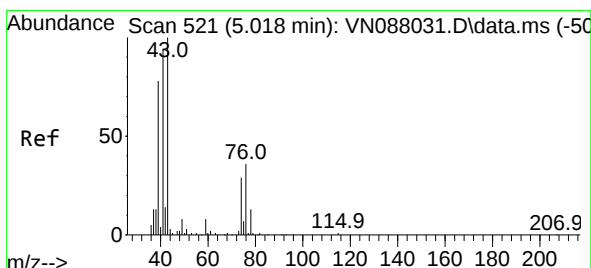
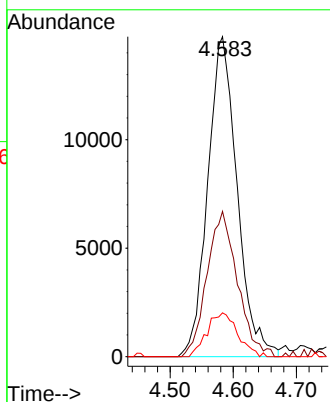
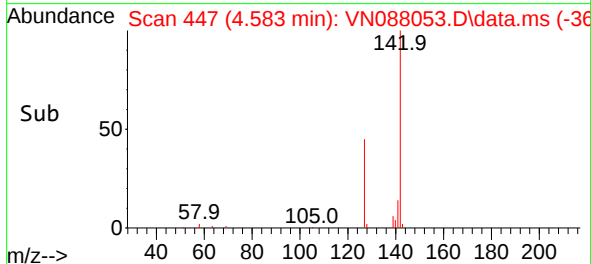
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 47634
Ion Ratio Lower Upper
142 100
127 45.9 23.4 70.3
141 13.8 8.8 26.2

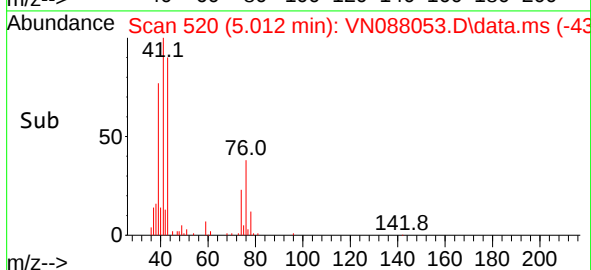
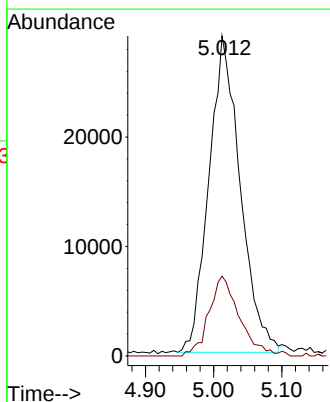
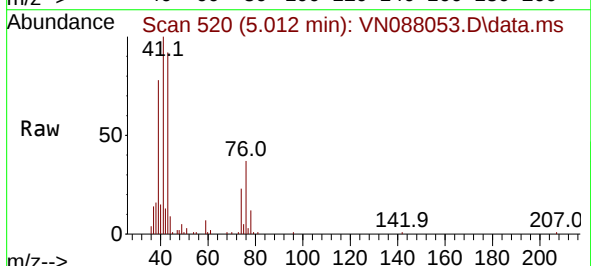
Manual Integrations
APPROVED

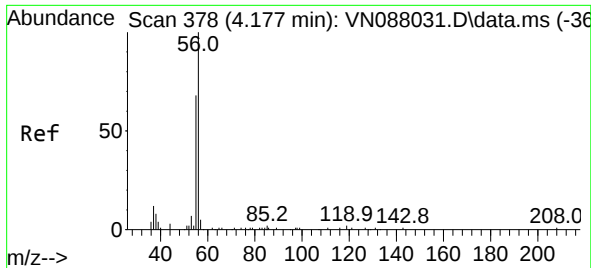
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#12
Methyl Acetate
Concen: 16.044 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

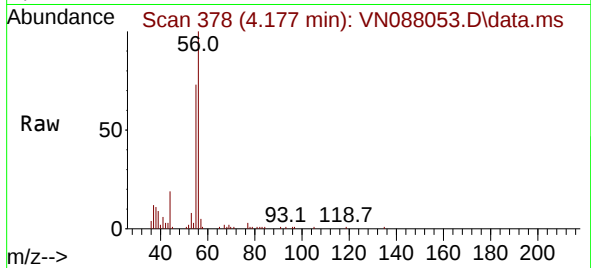
Tgt Ion: 43 Resp: 92567
Ion Ratio Lower Upper
43 100
74 25.0 23.3 34.9





#13
Acrolein
Concen: 83.078 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

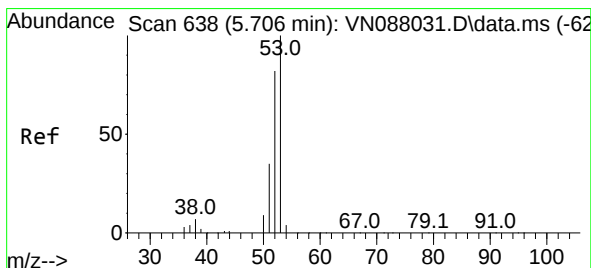
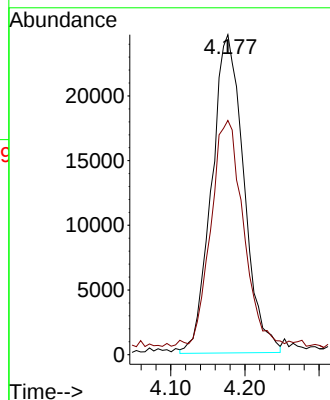
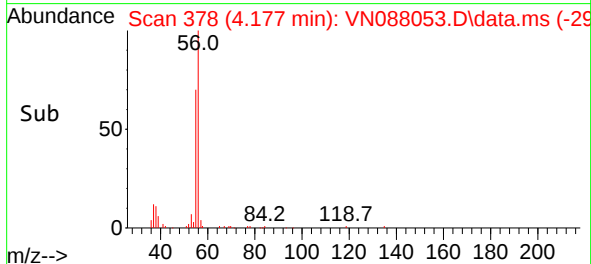
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



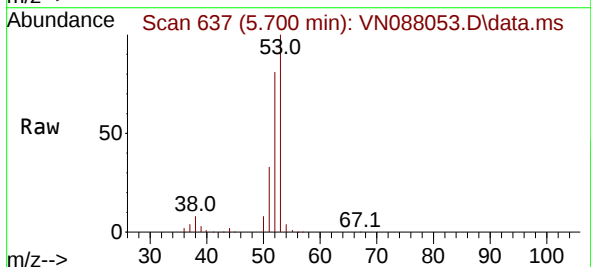
Tgt Ion: 56 Resp: 74174
Ion Ratio Lower Upper
56 100
55 73.3 0.3 0.5

Manual Integrations
APPROVED

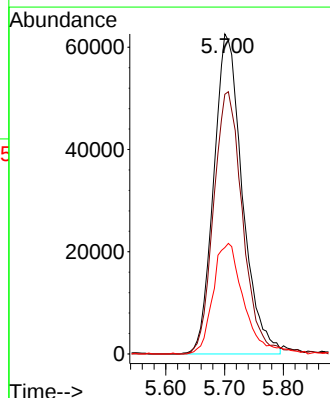
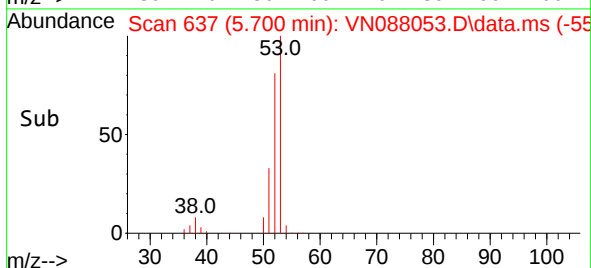
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

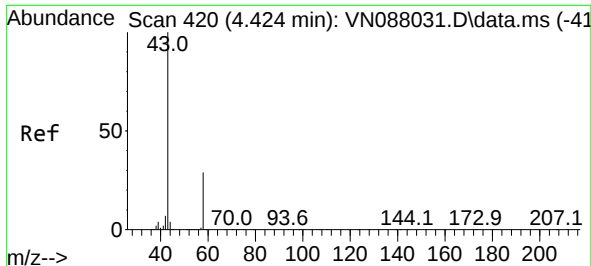


#14
Acrylonitrile
Concen: 75.956 ug/l
RT: 5.700 min Scan# 637
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



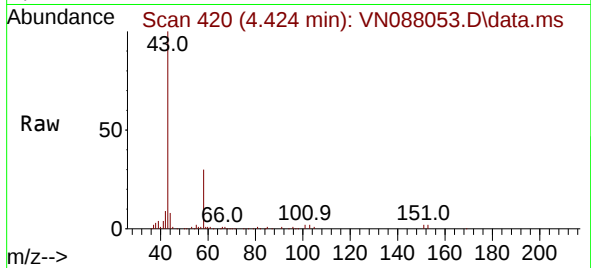
Tgt Ion: 53 Resp: 211479
Ion Ratio Lower Upper
53 100
52 82.0 41.3 124.1
51 37.2 18.0 54.0





#15
Acetone
Concen: 72.383 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

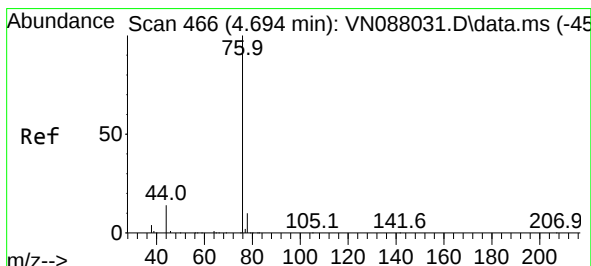
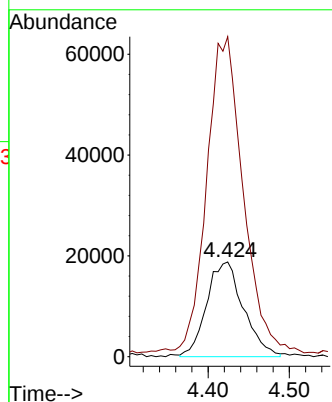
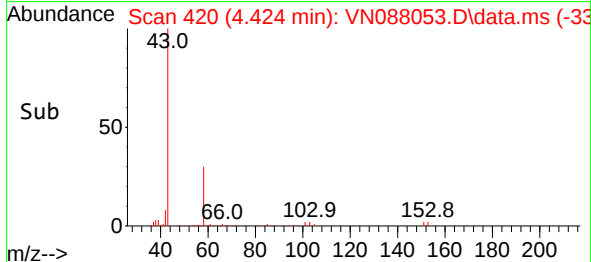
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



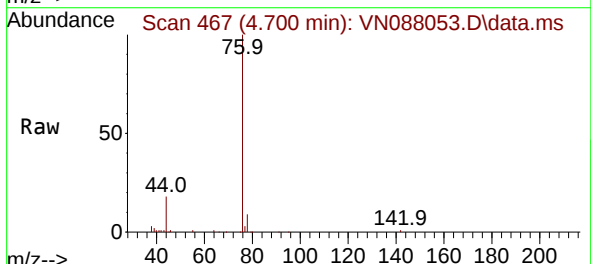
Tgt Ion: 58 Resp: 59020
Ion Ratio Lower Upper
58 100
43 333.0 282.6 424.0

Manual Integrations
APPROVED

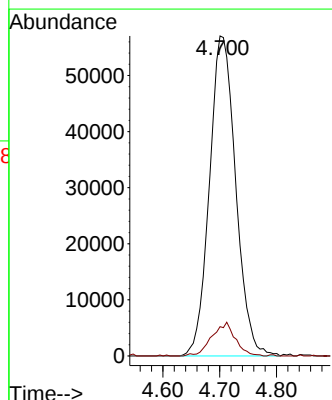
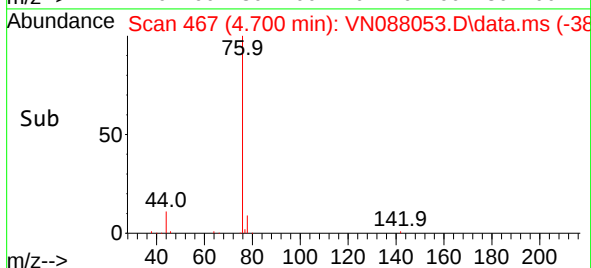
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

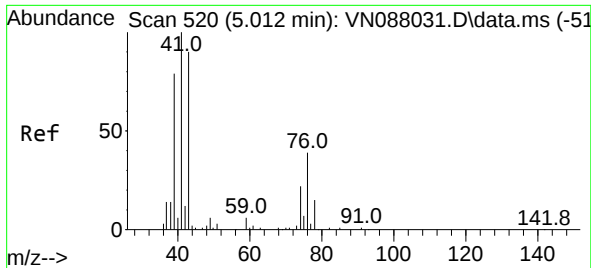


#16
Carbon Disulfide
Concen: 16.481 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



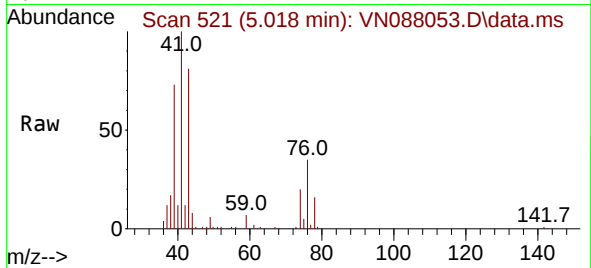
Tgt Ion: 76 Resp: 183353
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8





#17
 Allyl chloride
 Concen: 16.351 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN088053.D
 Acq: 09 Oct 2025 15:18

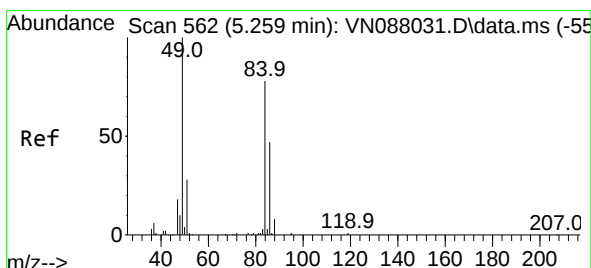
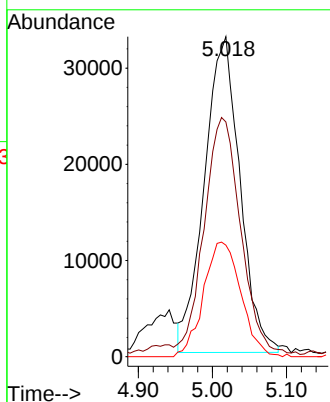
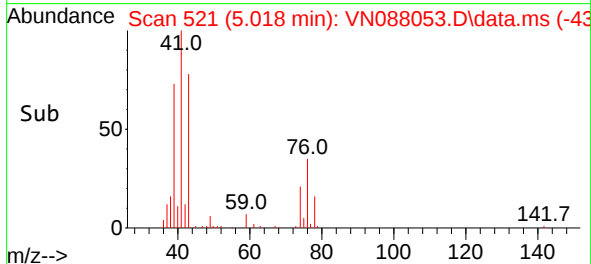
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



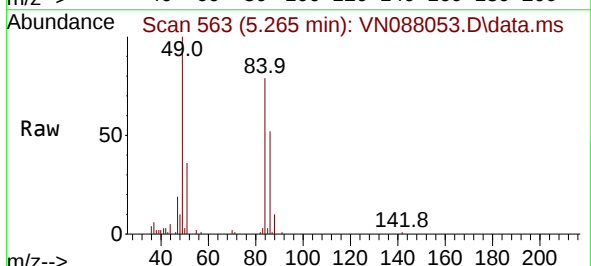
Tgt Ion: 41 Resp: 109499
 Ion Ratio Lower Upper
 41 100
 39 73.5 36.4 109.2
 76 35.4 18.1 54.1

Manual Integrations
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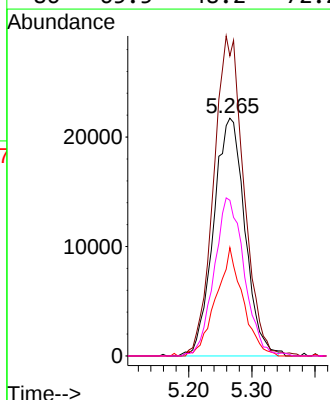
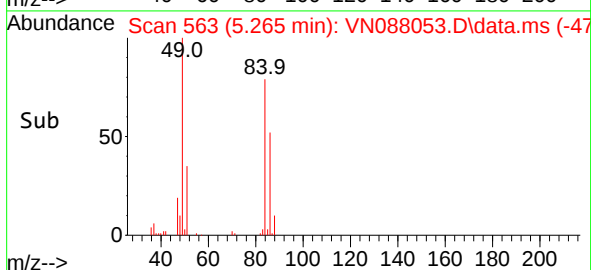
Reviewed By :John Carlone 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

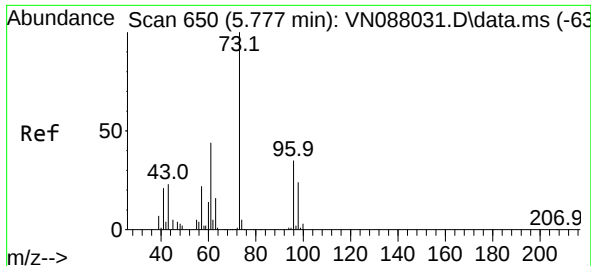


#18
 Methylene Chloride
 Concen: 16.614 ug/l
 RT: 5.265 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: VN088053.D
 Acq: 09 Oct 2025 15:18



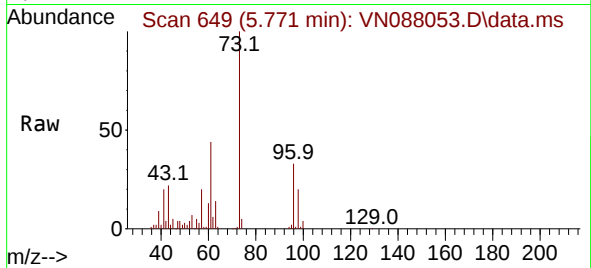
Tgt Ion: 84 Resp: 74939
 Ion Ratio Lower Upper
 84 100
 49 126.2 102.6 153.8
 51 45.6 28.6 42.8#
 86 65.5 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 16.838 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

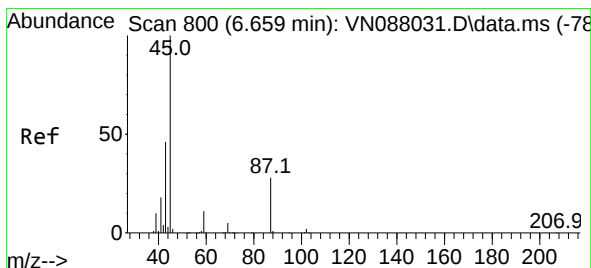
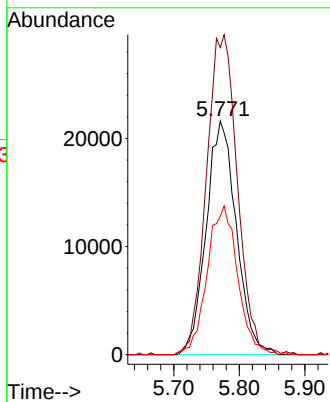
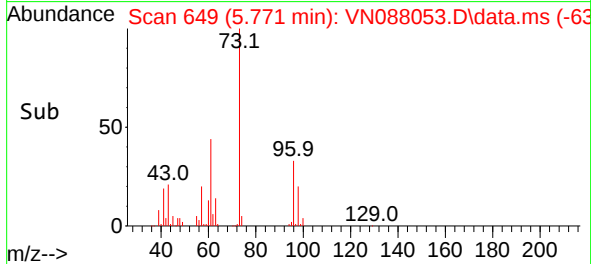
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



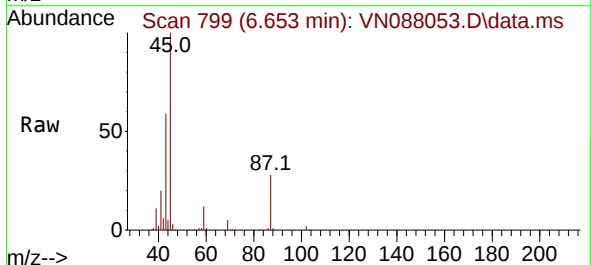
Tgt Ion: 96 Resp: 69089
Ion Ratio Lower Upper
96 100
61 130.7 100.6 151.0
98 59.3 54.0 81.0

Manual Integrations
APPROVED

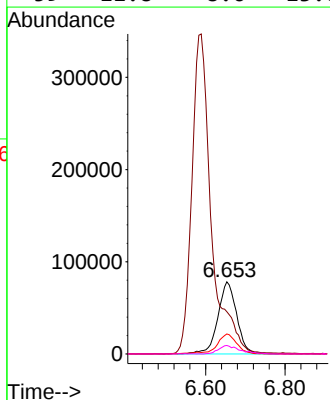
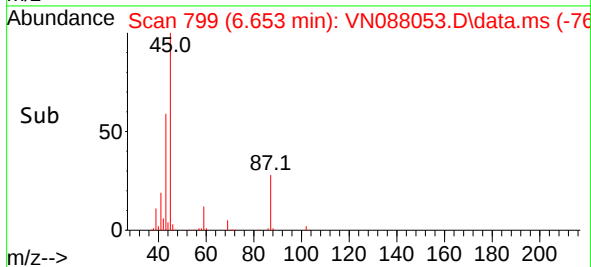
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

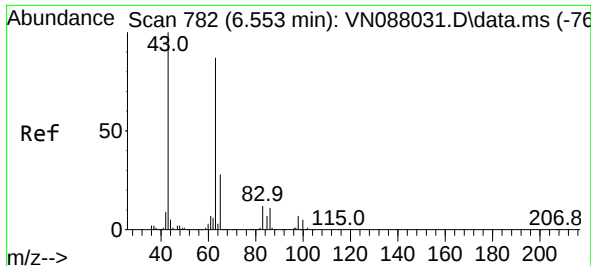


#20
Diisopropyl ether
Concen: 16.886 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



Tgt Ion: 45 Resp: 257441
Ion Ratio Lower Upper
45 100
43 57.4 46.1 69.1
87 27.8 22.3 33.5
59 11.8 8.6 13.0





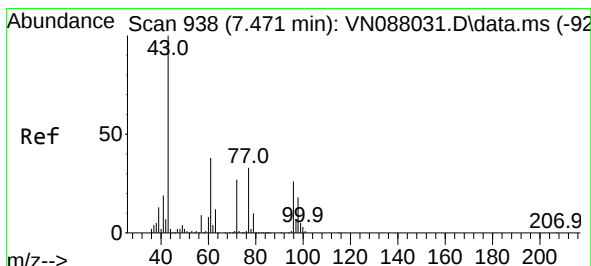
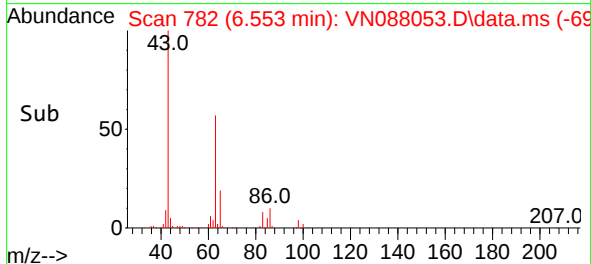
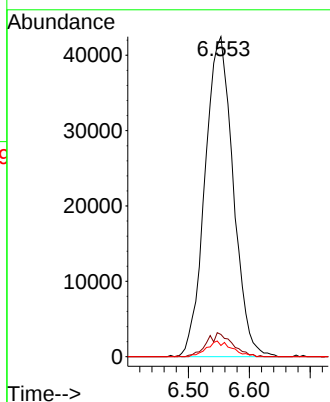
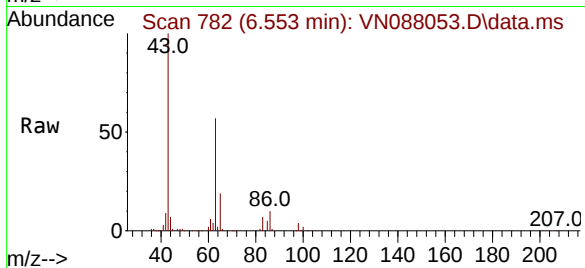
#21
1,1-Dichloroethane
Concen: 17.219 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 136660
Ion Ratio Lower Upper
63 100
98 6.9 4.3 12.8
100 3.5 2.6 8.0

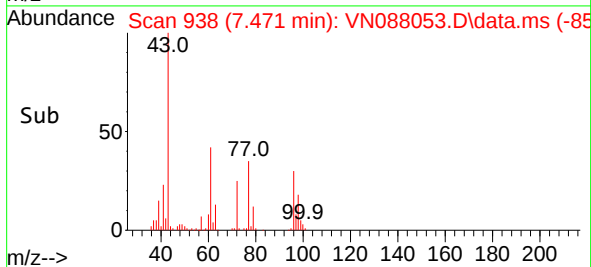
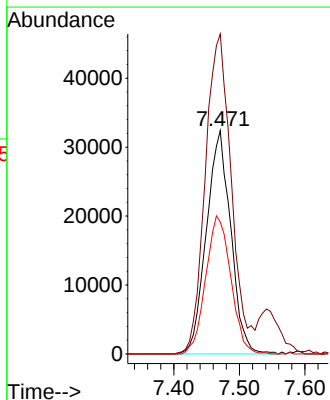
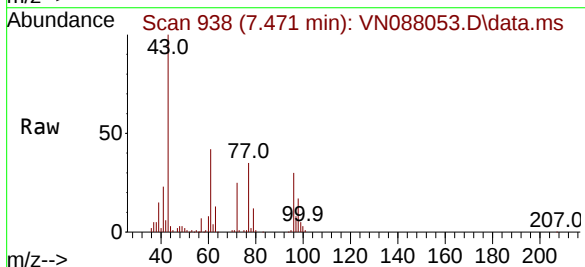
Manual Integrations
APPROVED

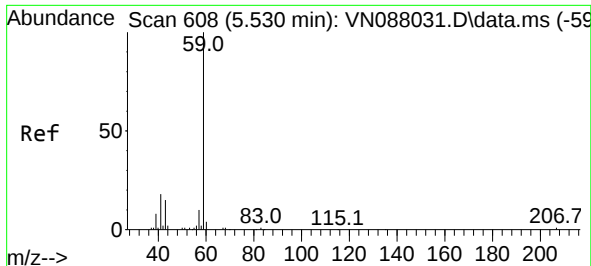
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#22
cis-1,2-Dichloroethene
Concen: 16.305 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

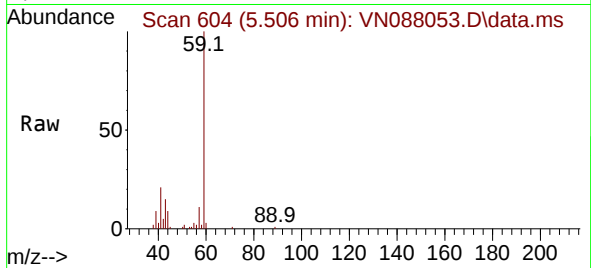
Tgt Ion: 96 Resp: 83749
Ion Ratio Lower Upper
96 100
61 153.2 117.0 175.6
98 63.4 52.6 79.0





#23
tert-Butyl Alcohol
Concen: 71.595 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.023 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

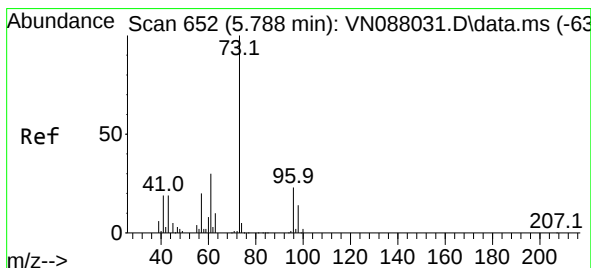
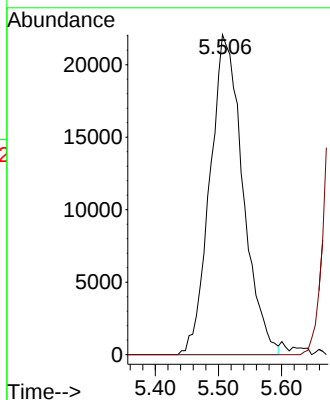
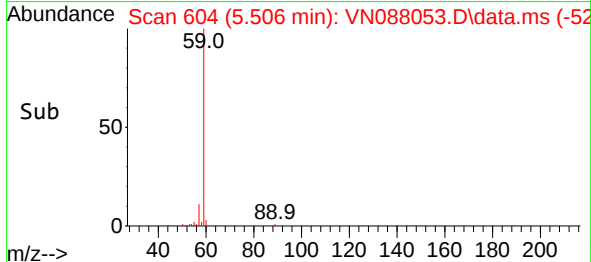
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 7994
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

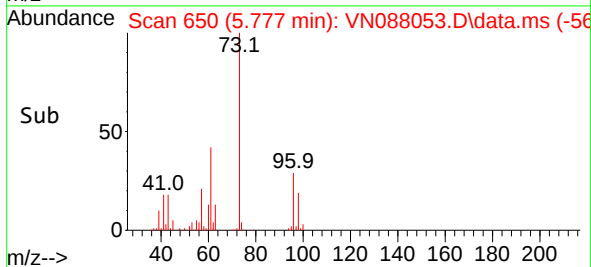
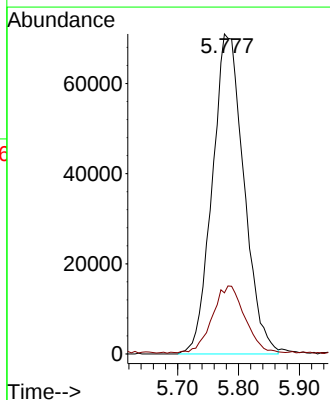
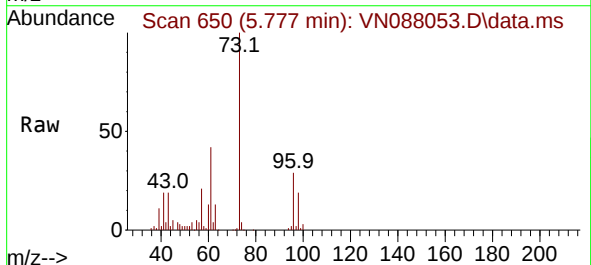
Manual Integrations
APPROVED

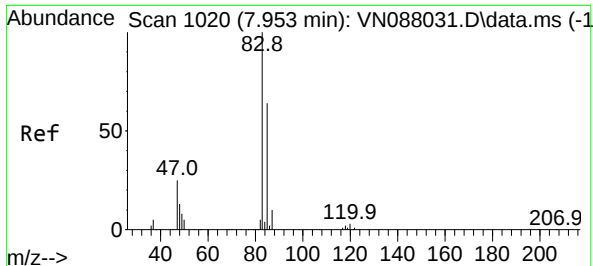
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#24
Methyl tert-Butyl Ether
Concen: 16.689 ug/l
RT: 5.777 min Scan# 650
Delta R.T. -0.012 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Tgt Ion: 73 Resp: 255647
Ion Ratio Lower Upper
73 100
43 21.1 17.0 25.4





#25

Chloroform

Concen: 16.778 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 137414

Ion Ratio Lower Upper

83 100

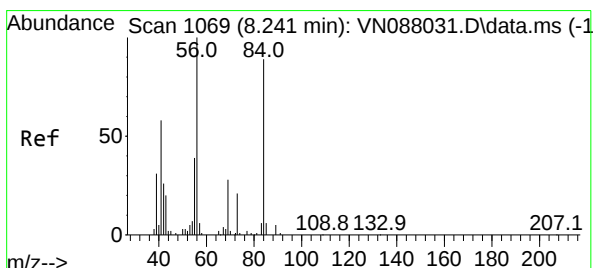
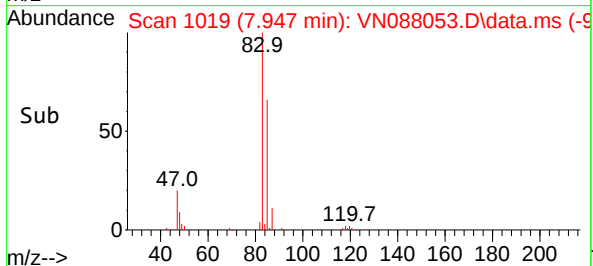
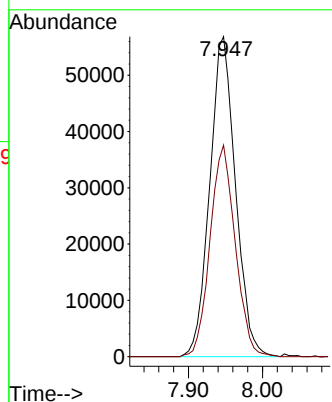
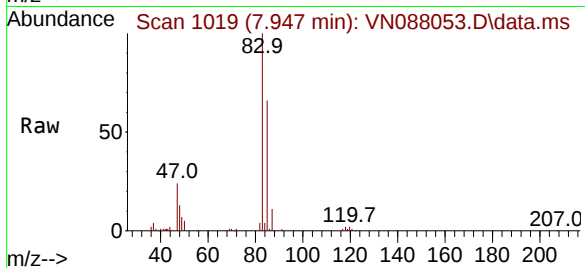
85 66.1 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

Cyclohexane

Concen: 15.739 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

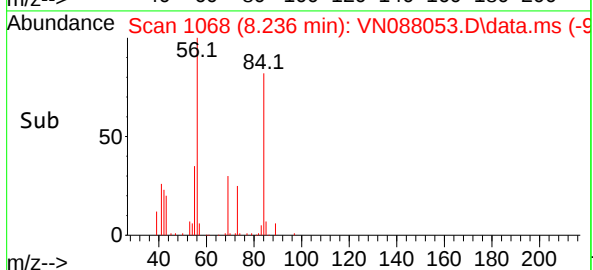
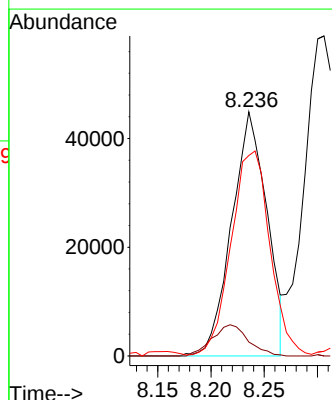
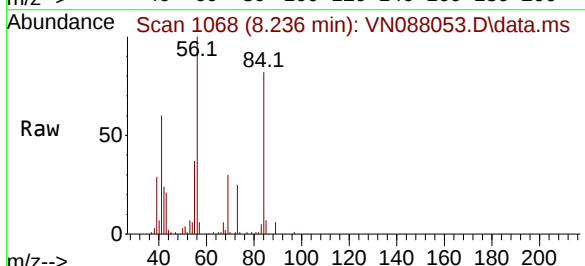
Tgt Ion: 56 Resp: 103496

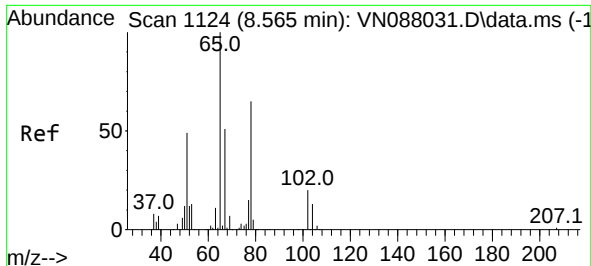
Ion Ratio Lower Upper

56 100

89 13.1 8.6 12.8#

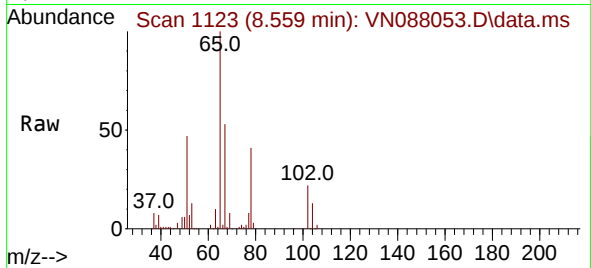
84 91.8 69.6 104.4





#27
1,2-Dichloroethane-d4
Concen: 30.638 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

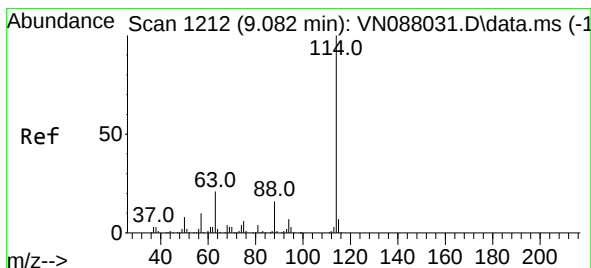
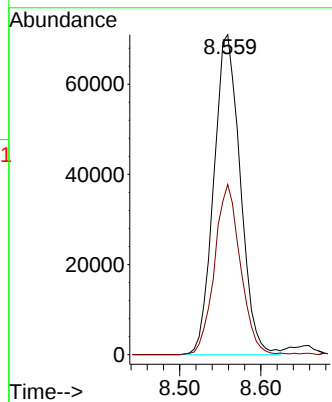
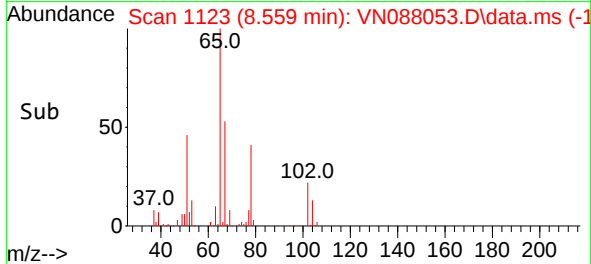
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 65 Resp: 161030
Ion Ratio Lower Upper
65 100
67 51.9 41.9 62.9

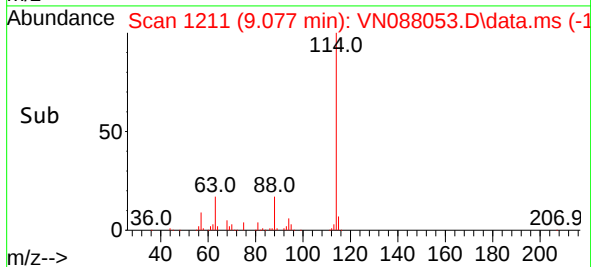
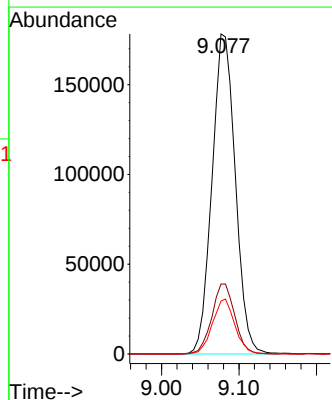
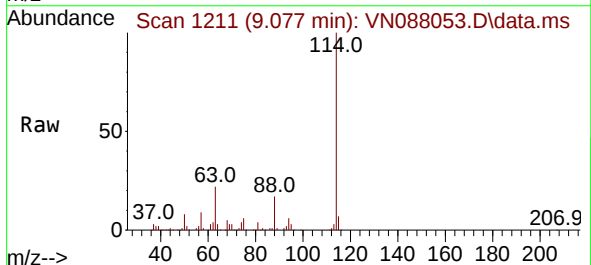
Manual Integrations
APPROVED

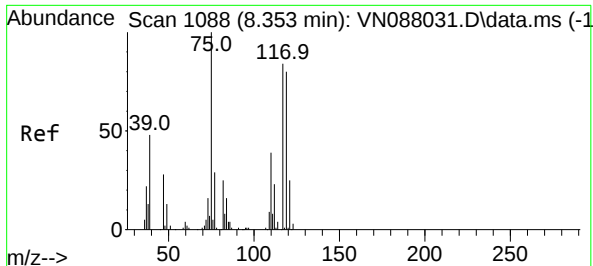
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.077 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

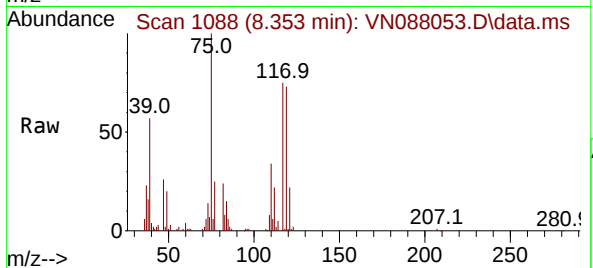
Tgt Ion:114 Resp: 373268
Ion Ratio Lower Upper
114 100
63 21.5 16.6 25.0
88 16.5 12.6 18.8





#29
1,1-Dichloropropene
Concen: 16.850 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

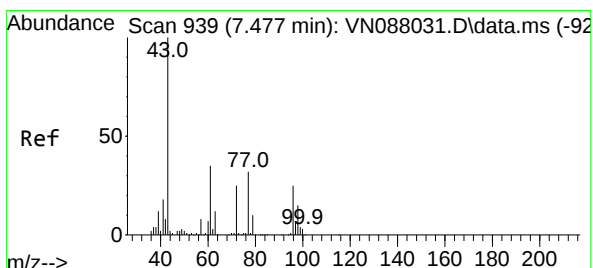
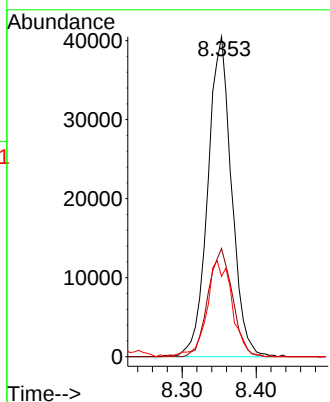
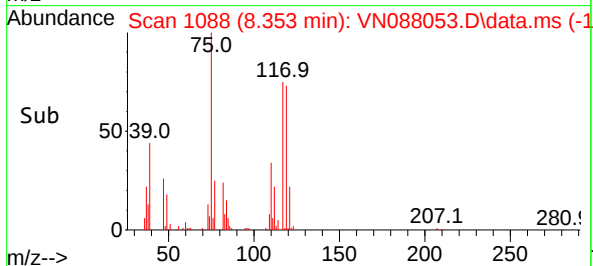
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



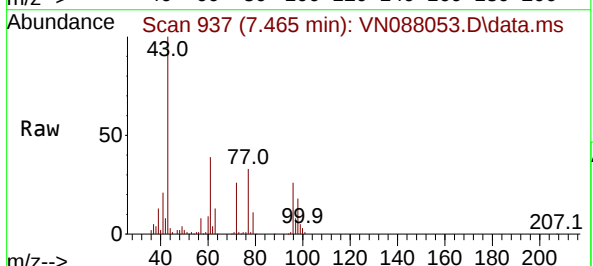
Tgt Ion: 75 Resp: 9015
Ion Ratio Lower Upper
75 100
110 34.7 0.0 72.2
77 31.2 0.0 60.6

Manual Integrations
APPROVED

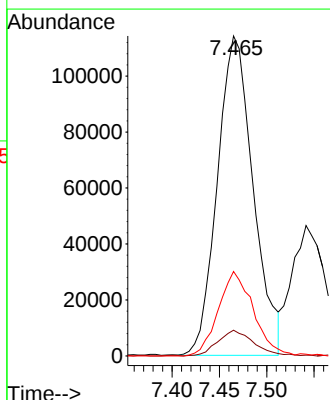
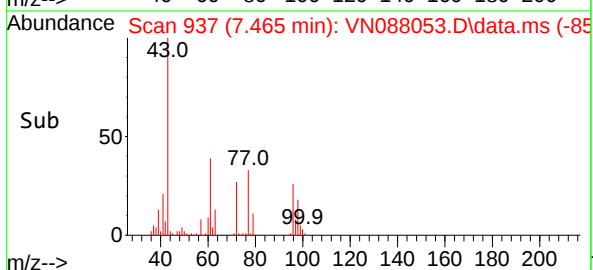
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

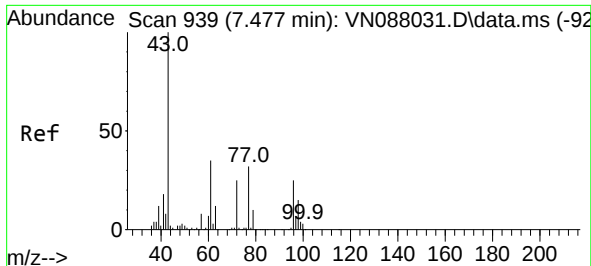


#30
2-Butanone
Concen: 76.109 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.012 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



Tgt Ion: 43 Resp: 300336
Ion Ratio Lower Upper
43 100
57 8.1 6.5 9.7
72 25.8 21.4 32.2





#31

2,2-Dichloropropane

Concen: 16.648 ug/l

RT: 7.471 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 114772

Ion Ratio Lower Upper

77 100

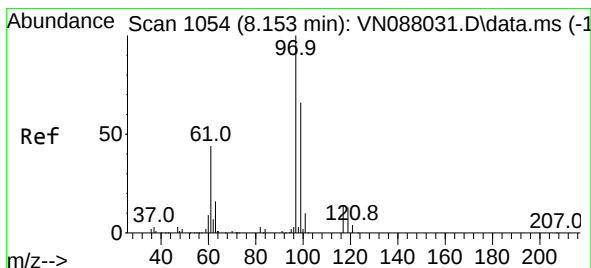
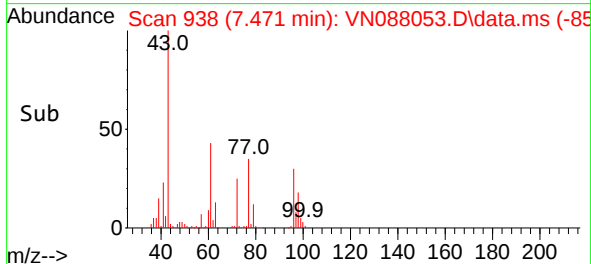
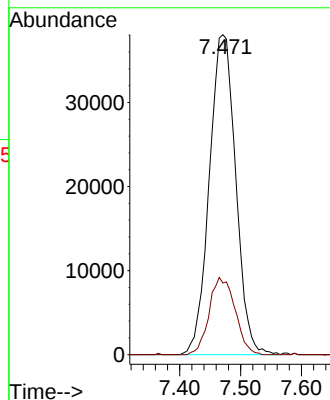
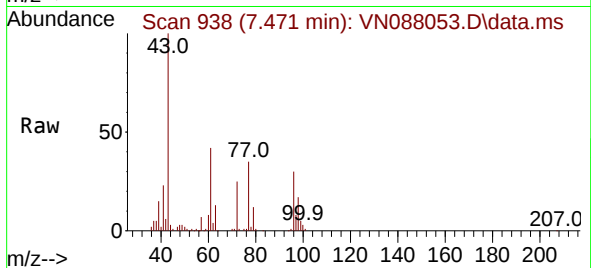
97 23.7 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 17.016 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

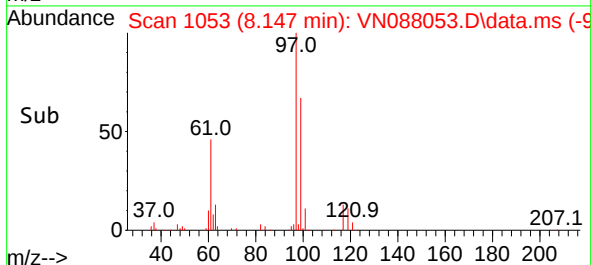
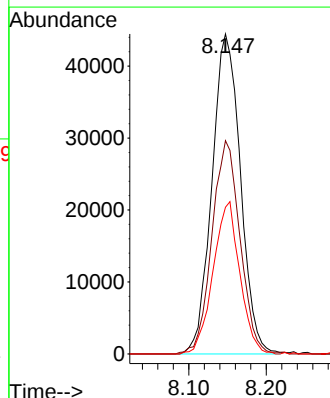
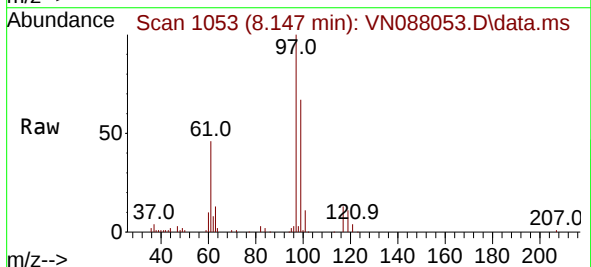
Tgt Ion: 97 Resp: 113763

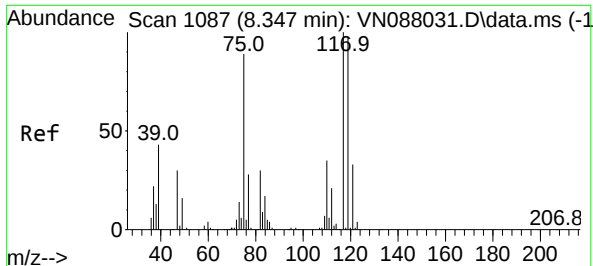
Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.2

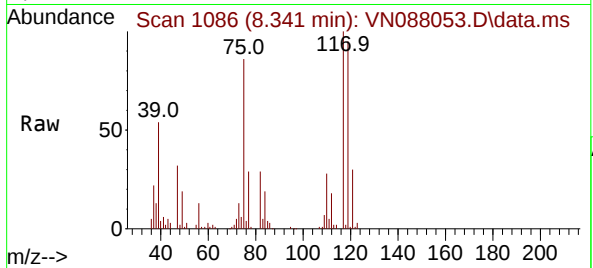
61 44.6 34.7 52.1





#33
Carbon Tetrachloride
Concen: 17.008 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

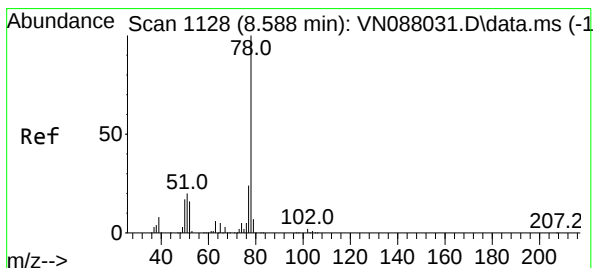
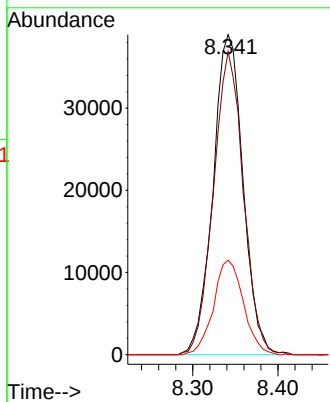
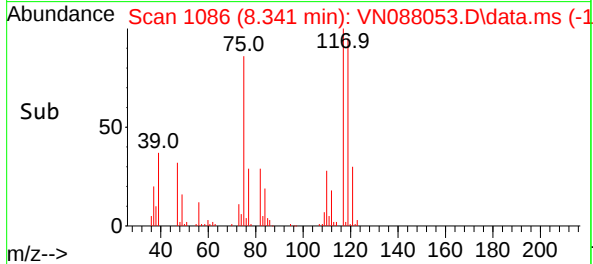
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 9524
Ion Ratio Lower Upper
117 100
119 94.7 77.9 116.9
121 29.5 26.4 39.6

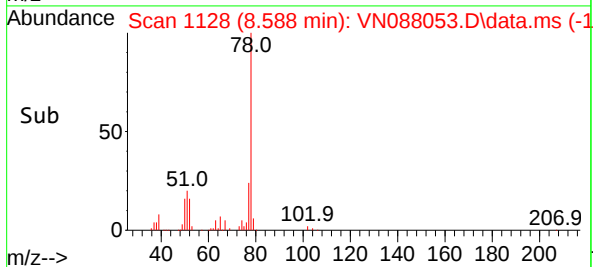
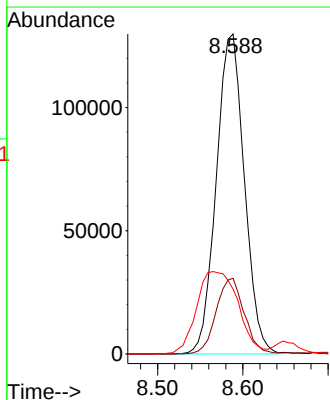
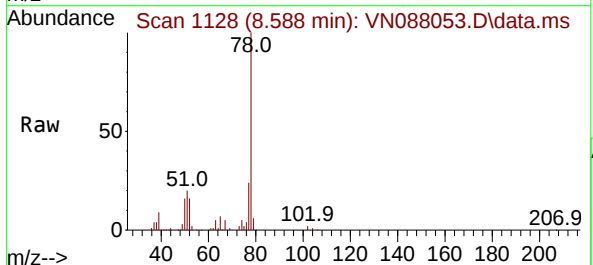
Manual Integrations
APPROVED

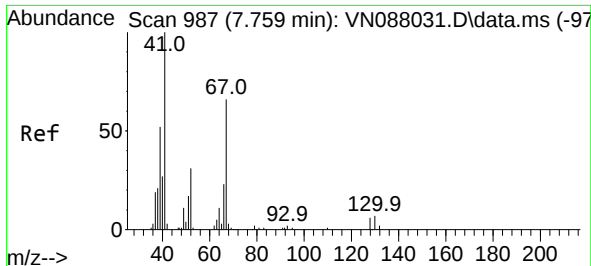
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
Benzene
Concen: 16.770 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

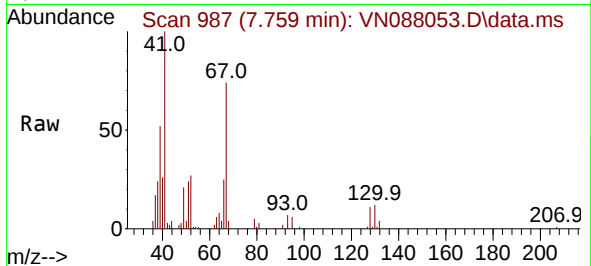
Tgt Ion: 78 Resp: 297612
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3
51 18.7 15.6 23.4





#35
Methacrylonitrile
Concen: 15.695 ug/l
RT: 7.759 min Scan# 987
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

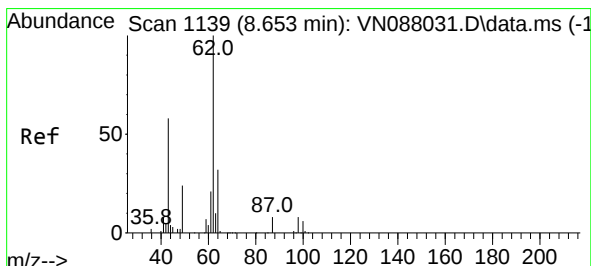
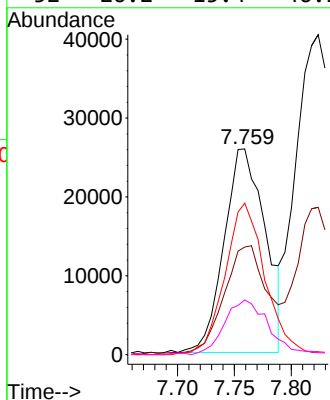
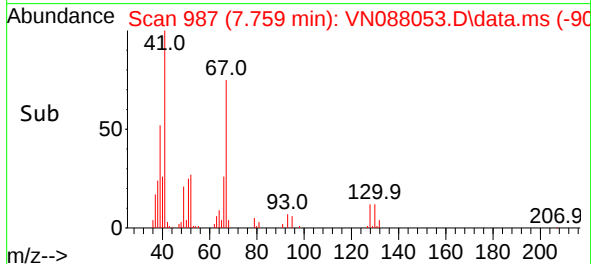
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 65128
Ion Ratio Lower Upper
41 100
39 51.8 26.1 78.3
67 73.8 33.1 99.2
52 26.2 15.4 46.1

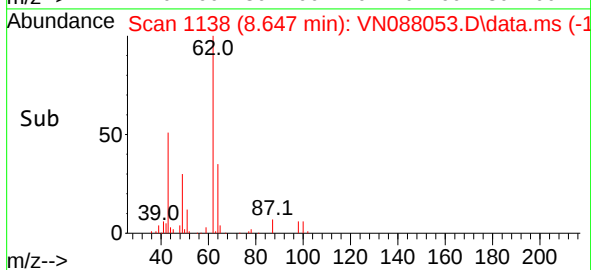
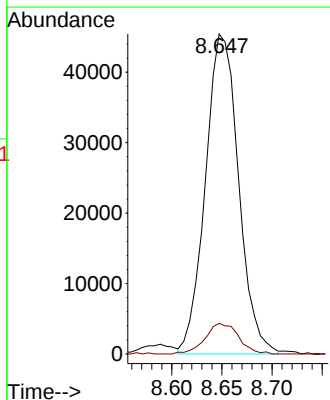
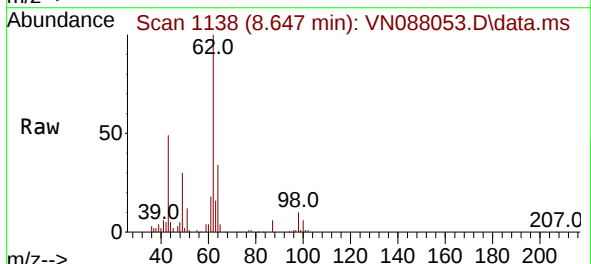
Manual Integrations
APPROVED

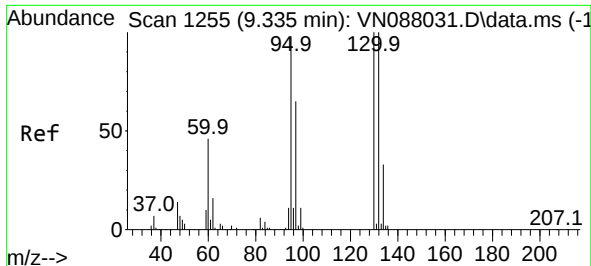
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
1,2-Dichloroethane
Concen: 16.976 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

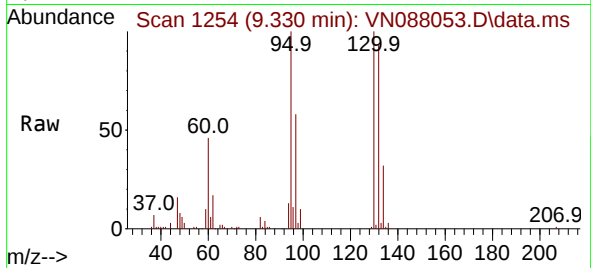
Tgt Ion: 62 Resp: 104592
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6





#37
Trichloroethene
Concen: 16.216 ug/l
RT: 9.330 min Scan# 1254
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

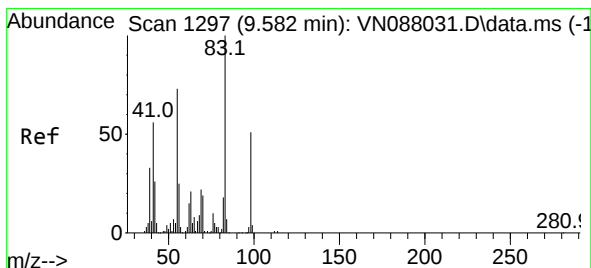
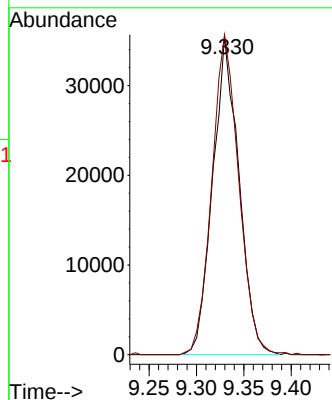
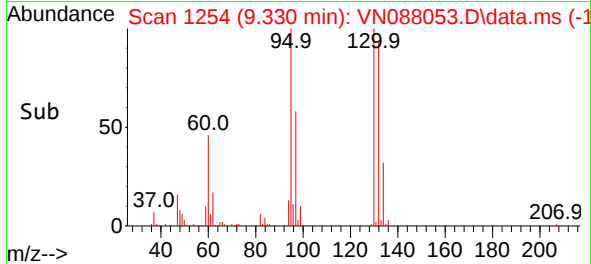
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



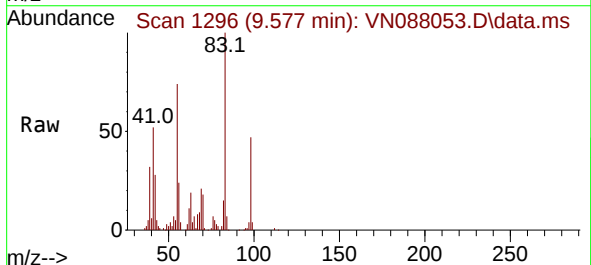
Tgt Ion:130 Resp: 68184
Ion Ratio Lower Upper
130 100
95 100.5 78.7 118.1

Manual Integrations
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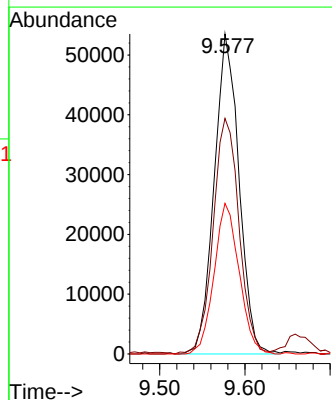
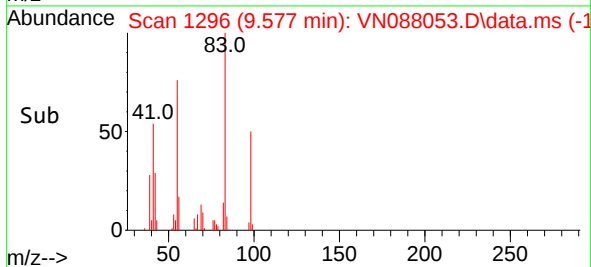
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

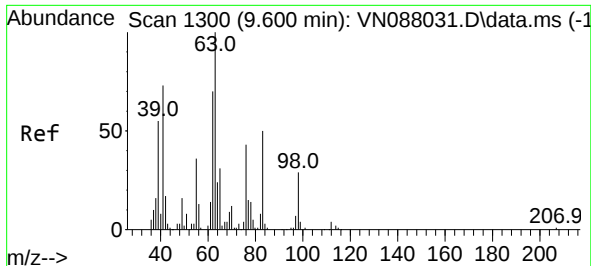


#38
Methylcyclohexane
Concen: 16.379 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



Tgt Ion: 83 Resp: 108224
Ion Ratio Lower Upper
83 100
55 77.1 37.3 111.9
98 47.7 25.4 76.0





#39

1,2-Dichloropropane

Concen: 16.979 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 7555

Ion Ratio Lower Upper

63 100

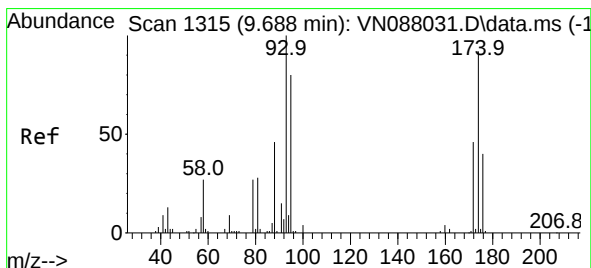
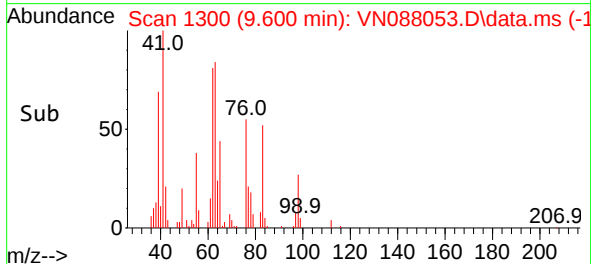
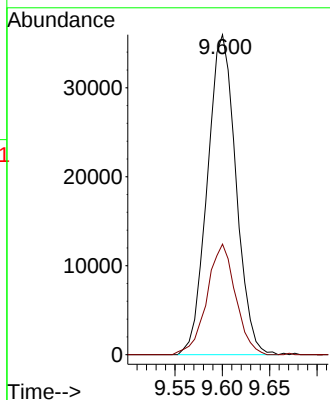
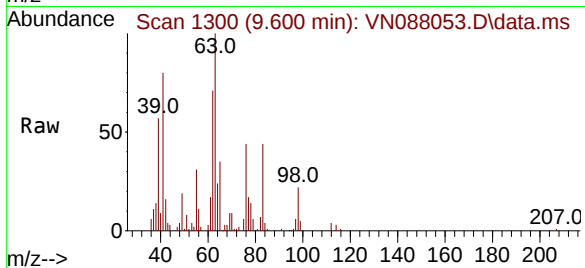
65 34.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Dibromomethane

Concen: 16.963 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

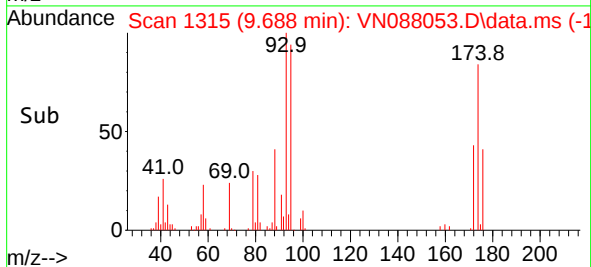
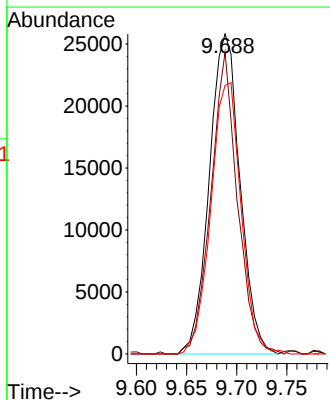
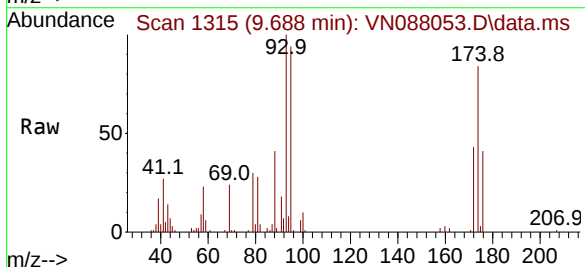
Tgt Ion: 93 Resp: 54947

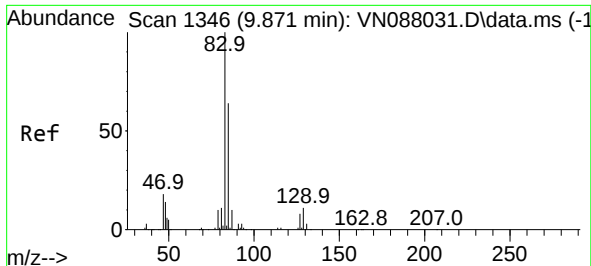
Ion Ratio Lower Upper

93 100

95 81.7 0.0 158.6

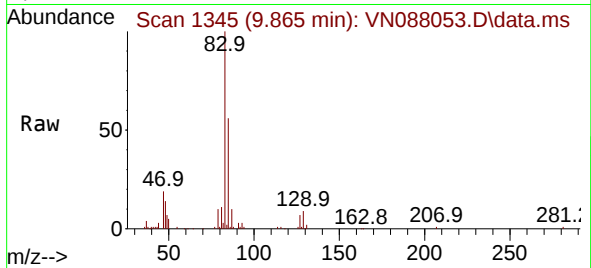
174 83.3 0.0 180.8





#41
Bromodichloromethane
Concen: 16.795 ug/l
RT: 9.865 min Scan# 11110
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

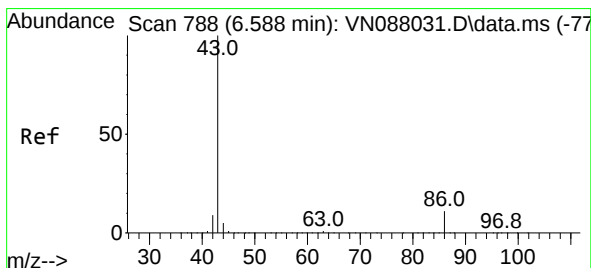
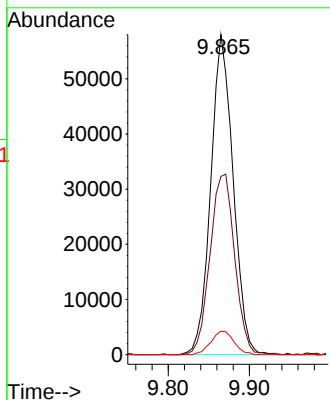
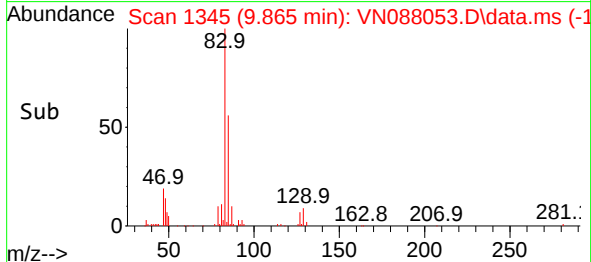
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 11110
Ion Ratio Lower Upper
83 100
85 55.7 51.0 76.4
127 7.4 6.1 9.1

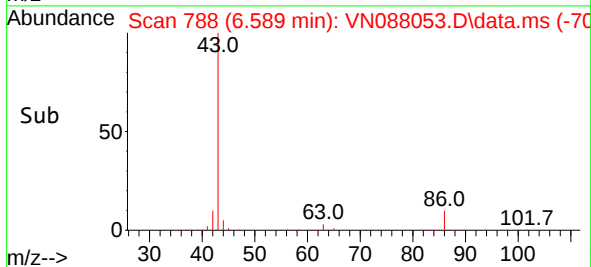
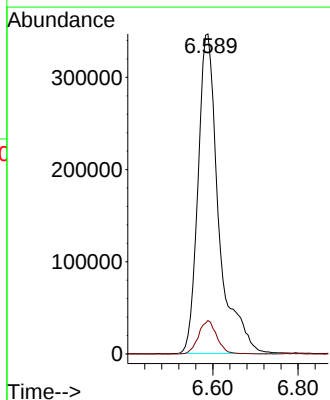
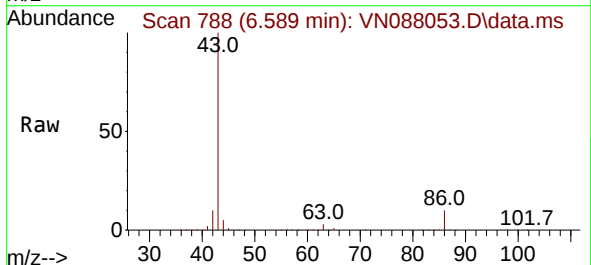
Manual Integrations
APPROVED

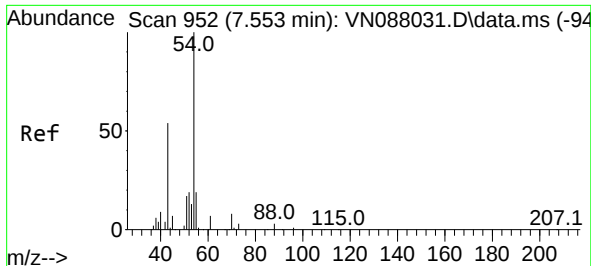
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Vinyl Acetate
Concen: 86.865 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

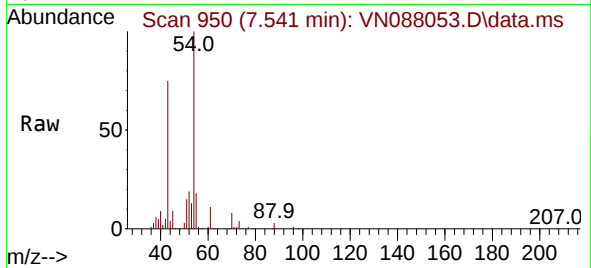
Tgt Ion: 43 Resp: 1167737
Ion Ratio Lower Upper
43 100
86 9.2 8.4 12.6





#43
Ethyl Acetate
Concen: 16.198 ug/l
RT: 7.541 min Scan# 912
Delta R.T. -0.012 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

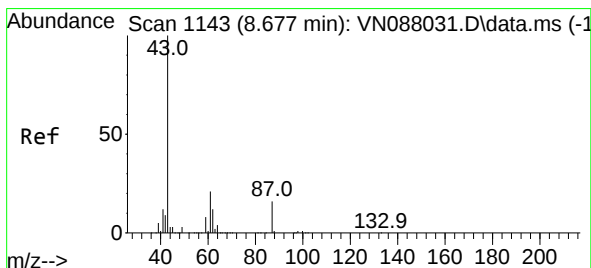
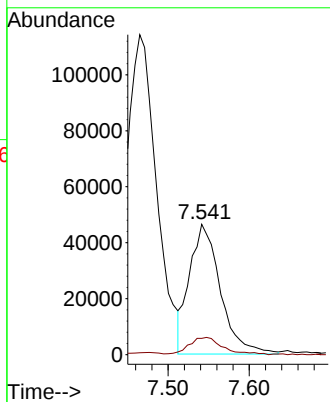
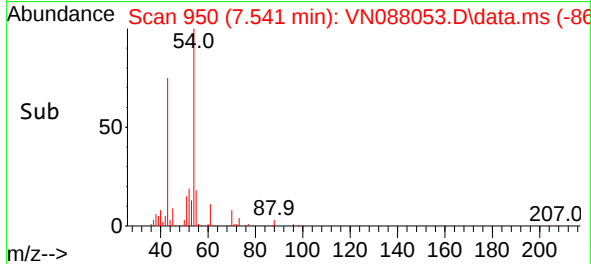
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 122874
Ion Ratio Lower Upper
43 100
45 14.5 10.2 15.4

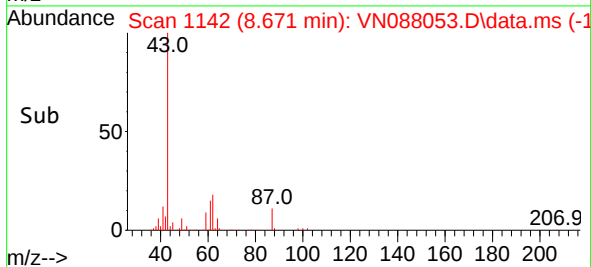
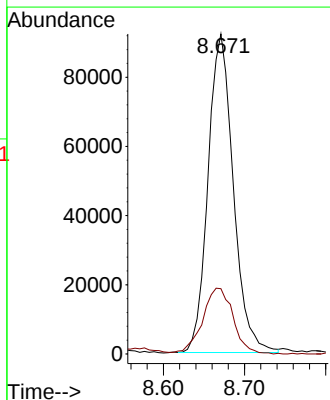
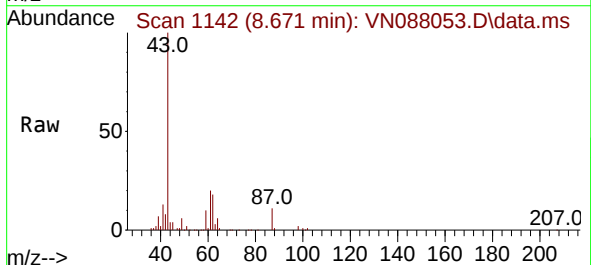
Manual Integrations
APPROVED

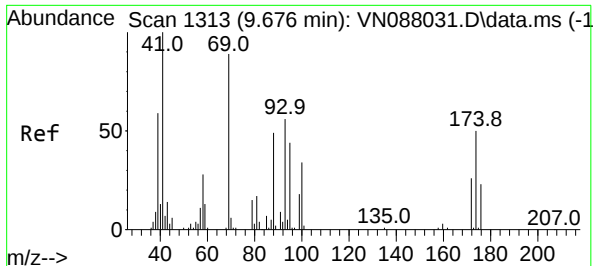
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
Isopropyl Acetate
Concen: 16.102 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Tgt Ion: 43 Resp: 199493
Ion Ratio Lower Upper
43 100
61 25.0 18.7 28.1





#45

1,4-Dioxane

Concen: 351.623 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

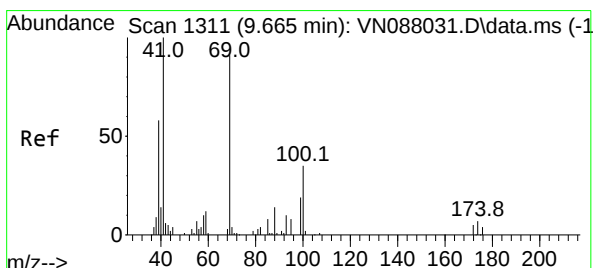
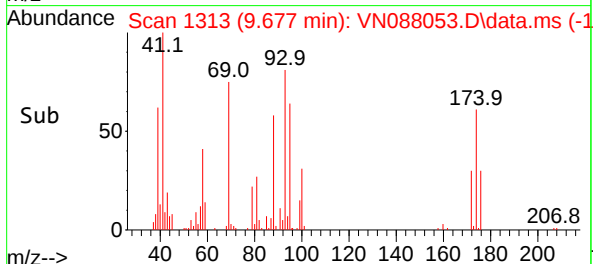
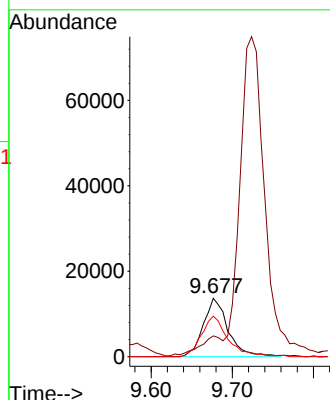
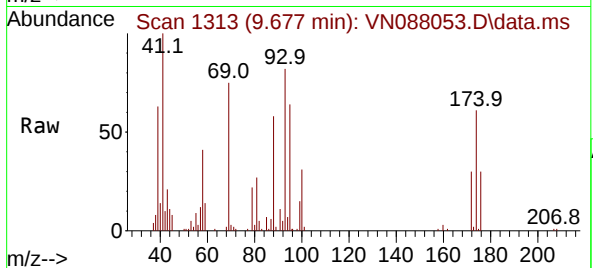
Tgt Ion:	88	Resp:	28974
Ion Ratio	Lower	Upper	
88	100		
43	30.9	18.6	27.8
58	73.1	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#46

Methyl methacrylate

Concen: 16.698 ug/l

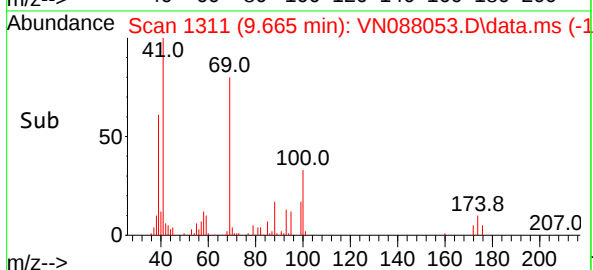
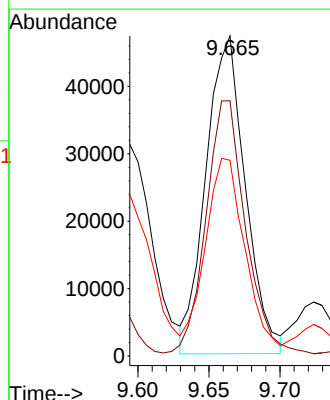
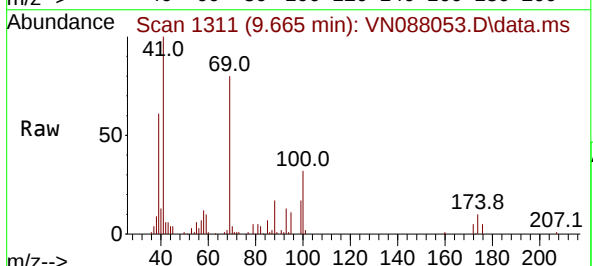
RT: 9.665 min Scan# 1311

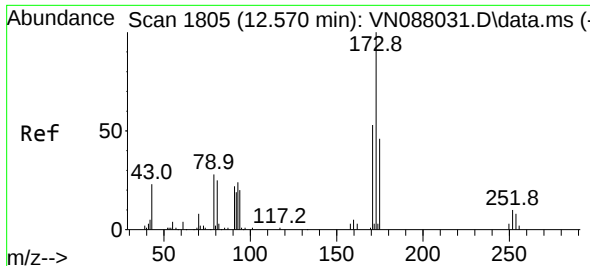
Delta R.T. 0.000 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

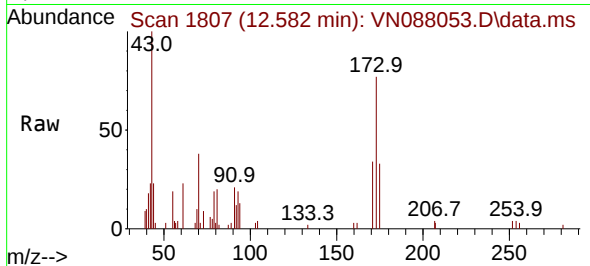
Tgt Ion:	41	Resp:	91105
Ion Ratio	Lower	Upper	
41	100		
69	81.5	44.9	134.7
39	61.9	30.3	90.8





#47
n-amy1 Acetate
Concen: 19.420 ug/l m
RT: 12.582 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

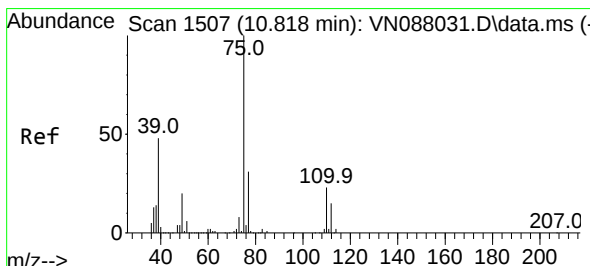
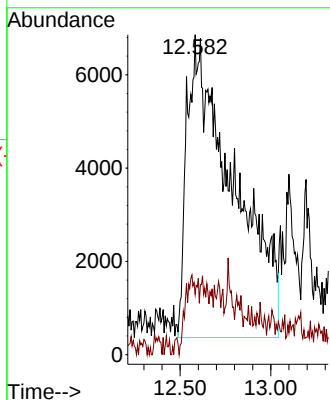
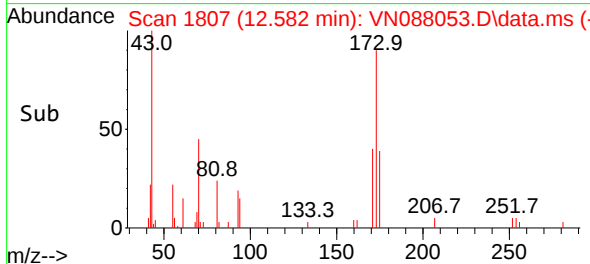
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 114040
Ion Ratio Lower Upper
43 100
55 1.5 0.6 0.8

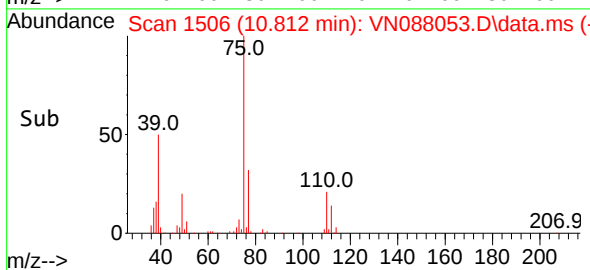
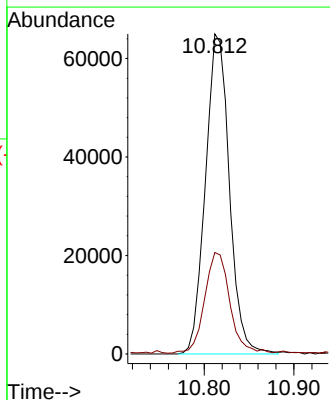
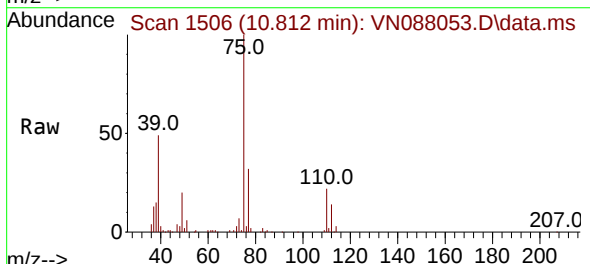
Manual Integrations
APPROVED

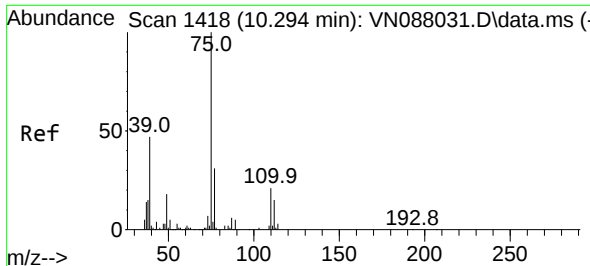
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
t-1,3-Dichloropropene
Concen: 16.360 ug/l
RT: 10.812 min Scan# 1506
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

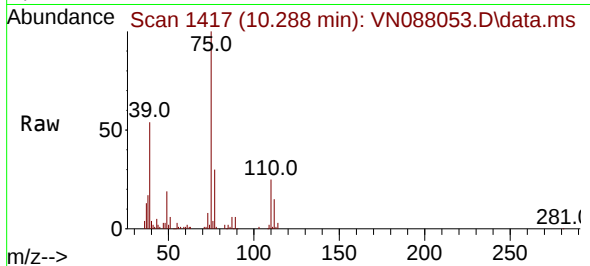
Tgt Ion: 75 Resp: 120346
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7





#49
cis-1,3-Dichloropropene
Concen: 16.820 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

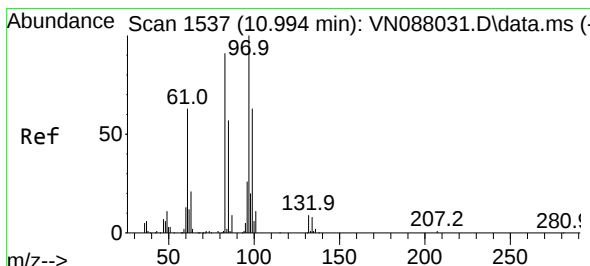
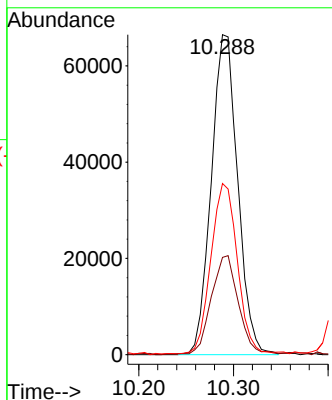
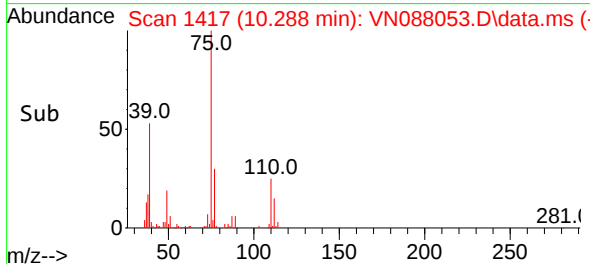
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 12906
Ion Ratio Lower Upper
75 100
77 30.1 25.0 37.4
39 53.2 37.4 56.0

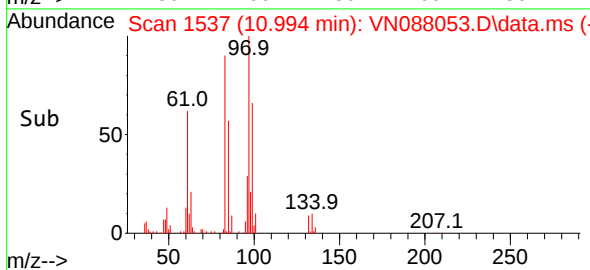
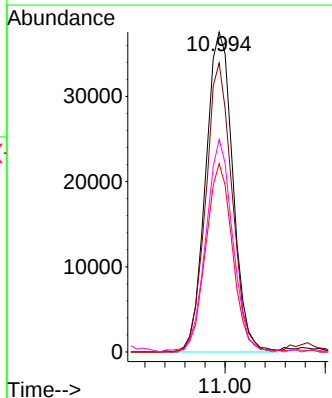
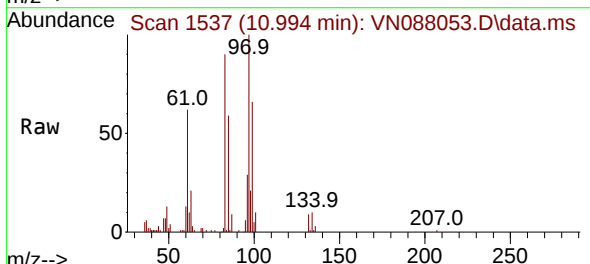
Manual Integrations
APPROVED

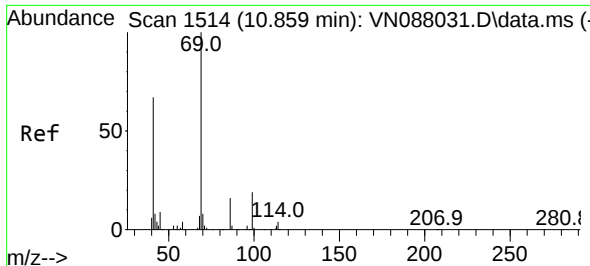
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
1,1,2-Trichloroethane
Concen: 16.488 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

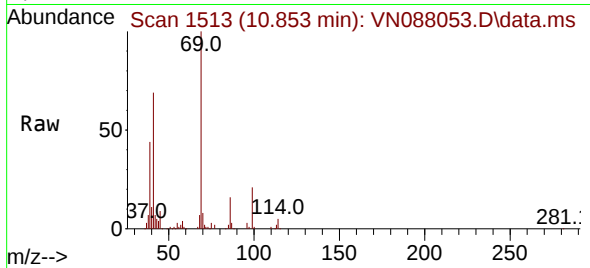
Tgt Ion: 97 Resp: 70726
Ion Ratio Lower Upper
97 100
83 89.8 72.5 108.7
85 58.3 45.5 68.3
99 65.9 50.0 75.0





#51
Ethyl methacrylate
Concen: 16.349 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

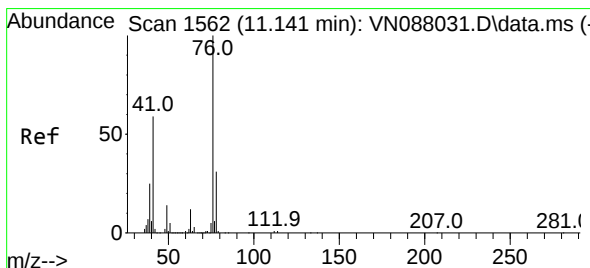
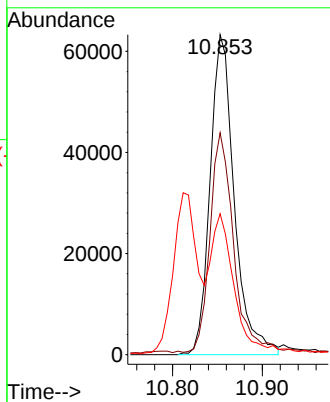
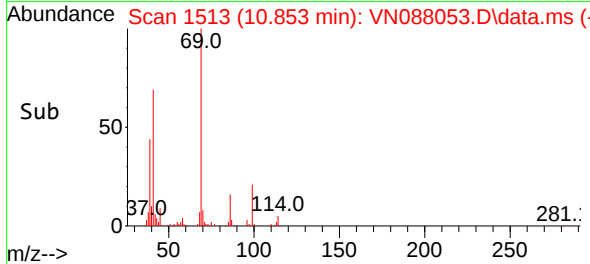
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 118689
Ion Ratio Lower Upper
69 100
41 68.3 33.3 99.8
39 42.4 20.3 61.0

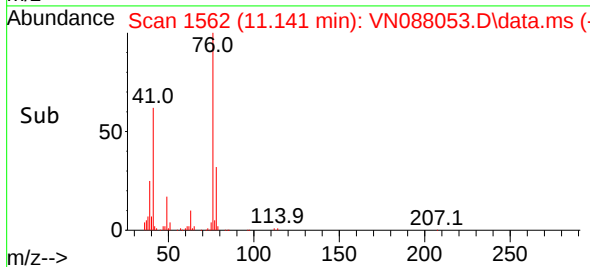
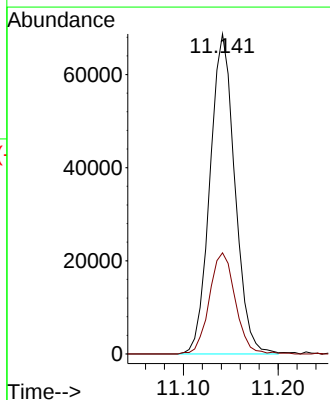
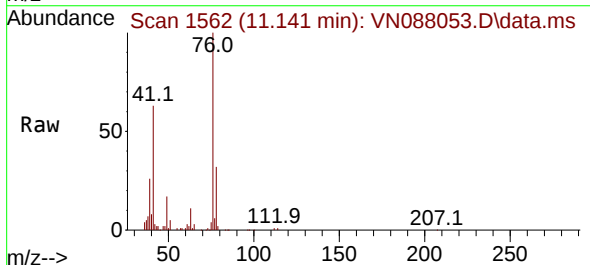
Manual Integrations
APPROVED

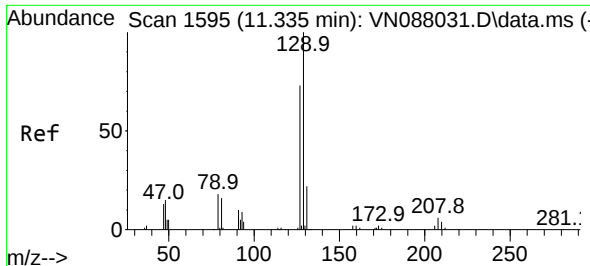
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
1,3-Dichloropropane
Concen: 16.759 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

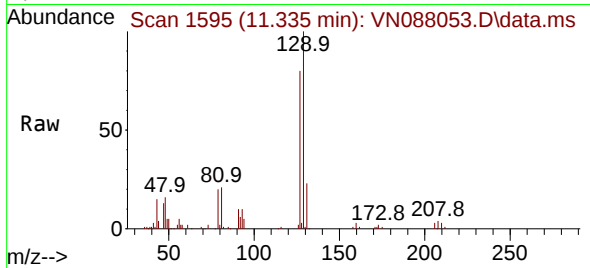
Tgt Ion: 76 Resp: 125421
Ion Ratio Lower Upper
76 100
78 32.7 0.0 65.0





#53
Dibromochloromethane
Concen: 16.437 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

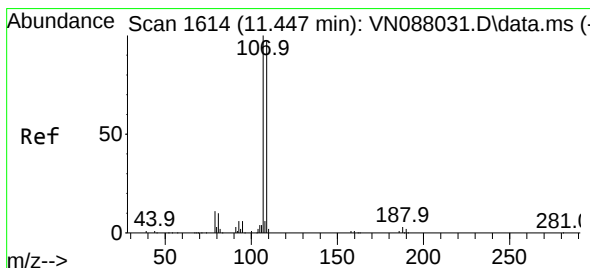
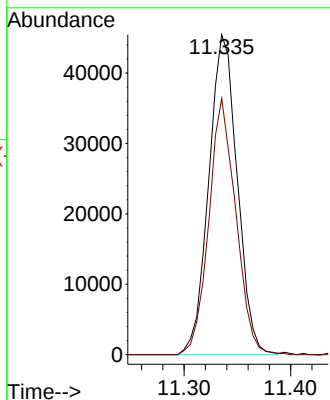
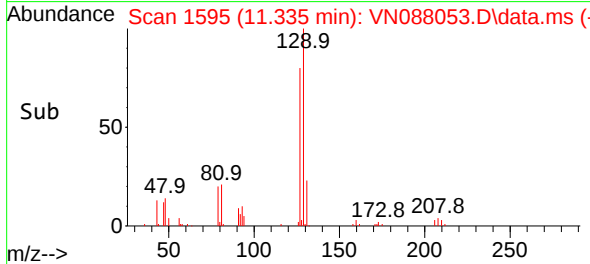
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



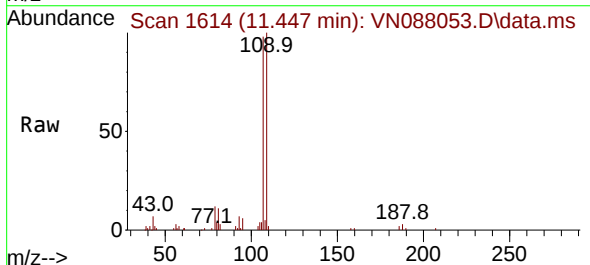
Tgt Ion:129 Resp: 8429
Ion Ratio Lower Upper
129 100
127 75.9 39.1 117.3

Manual Integrations
APPROVED

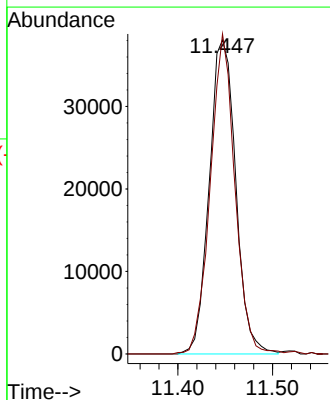
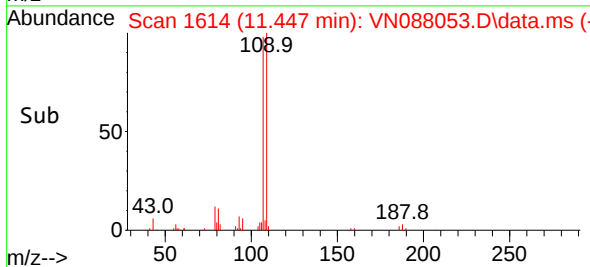
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

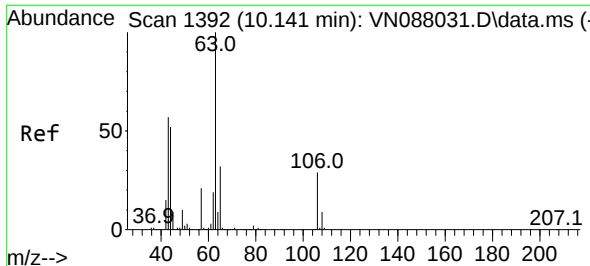


#54
1,2-Dibromoethane
Concen: 16.133 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



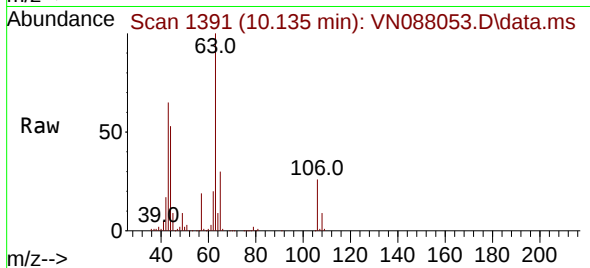
Tgt Ion:107 Resp: 73984
Ion Ratio Lower Upper
107 100
109 94.4 75.5 113.3





#55
2-Chloroethyl vinyl ether
Concen: 87.578 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

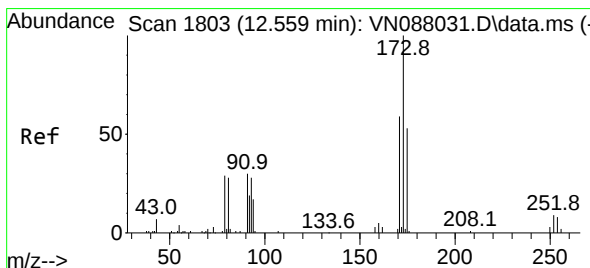
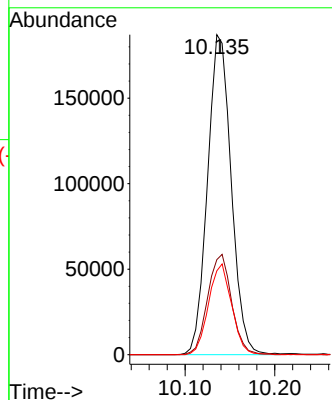
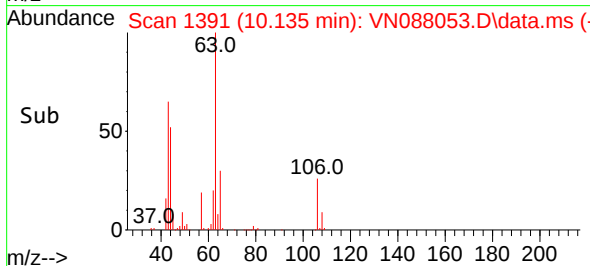
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 343174
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5
106 27.6 22.6 34.0

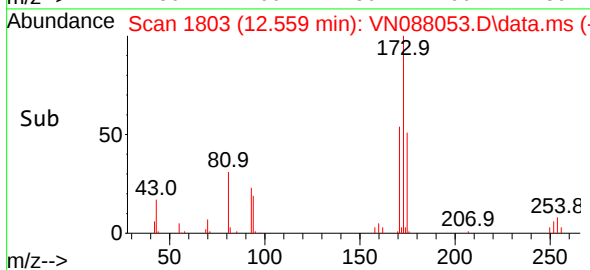
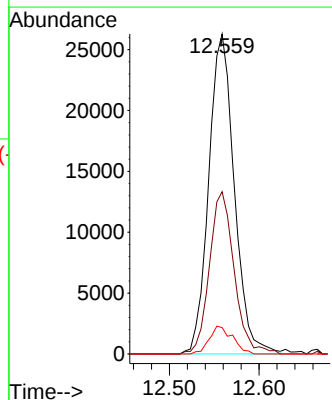
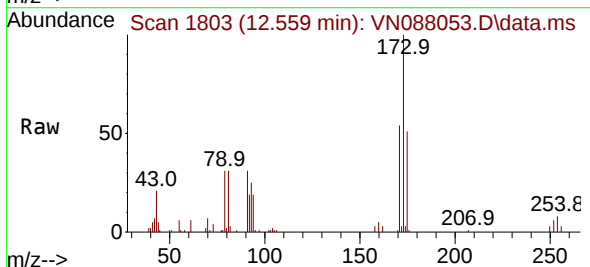
Manual Integrations
APPROVED

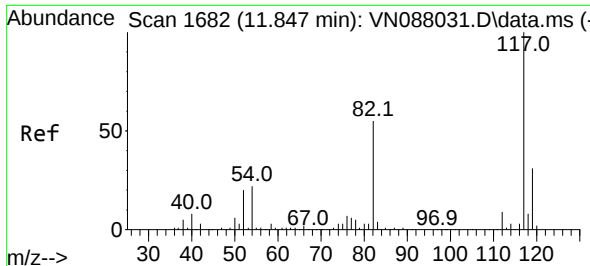
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Bromoform
Concen: 15.006 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

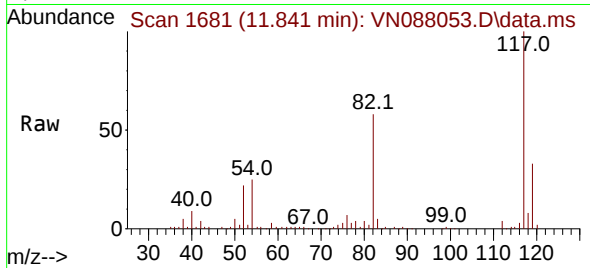
Tgt Ion:173 Resp: 52025
Ion Ratio Lower Upper
173 100
175 48.0 39.6 59.4
254 7.9 6.6 10.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

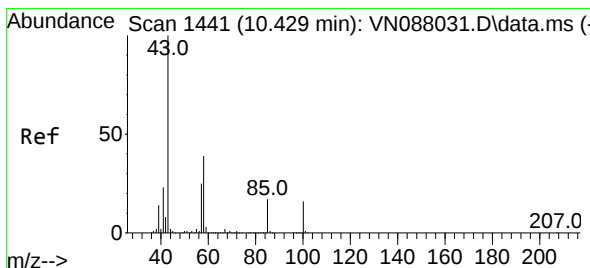
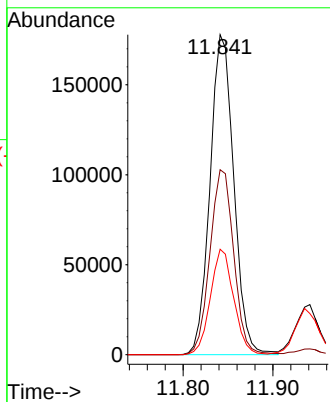
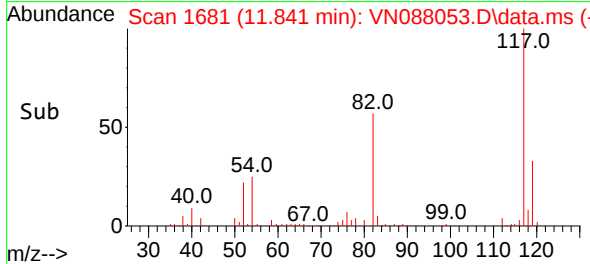
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:117 Resp: 327594
Ion Ratio Lower Upper
117 100
82 58.0 45.2 67.8
119 32.2 25.9 38.9

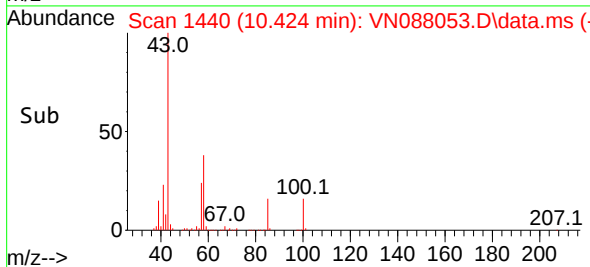
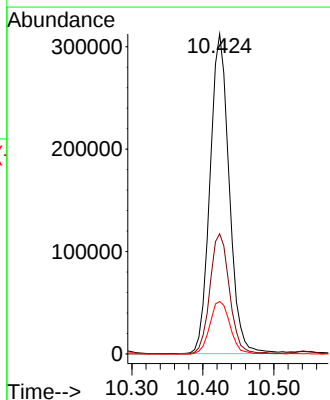
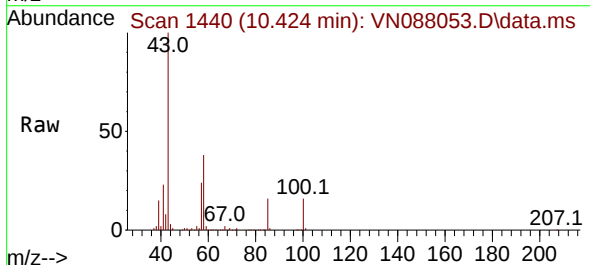
Manual Integrations
APPROVED

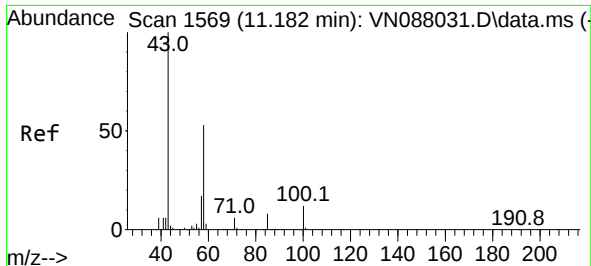
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
4-Methyl-2-Pentanone
Concen: 79.951 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Tgt Ion: 43 Resp: 585837
Ion Ratio Lower Upper
43 100
58 38.1 31.2 46.8
85 17.2 13.7 20.5





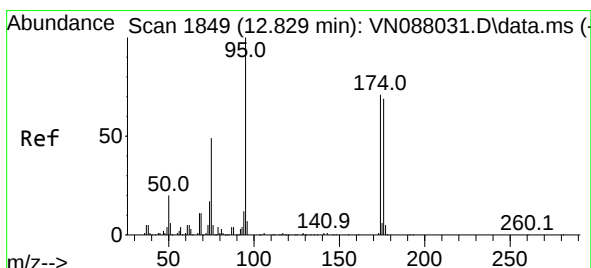
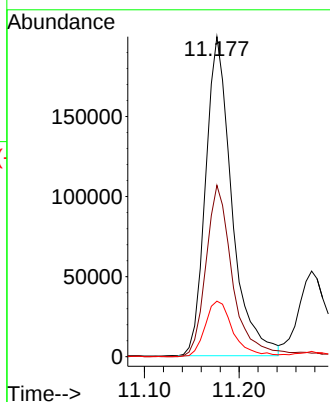
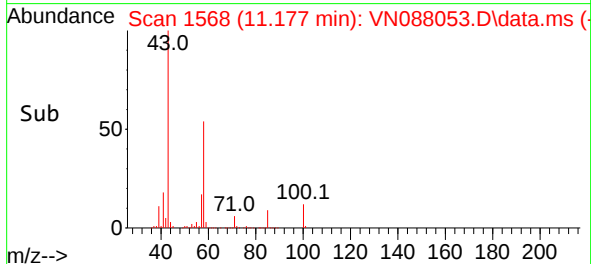
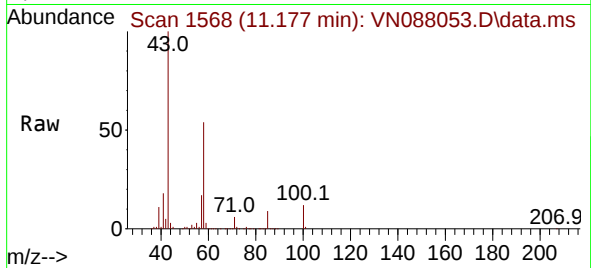
#59
2-Hexanone
Concen: 79.405 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 38415
Ion Ratio Lower Upper
43 100
58 54.2 43.1 64.7
57 18.6 14.6 21.8

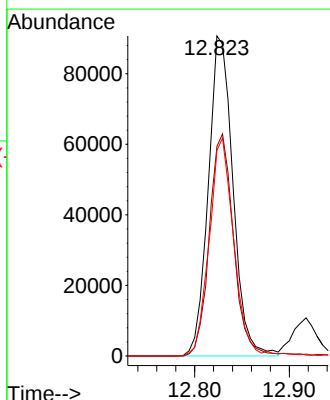
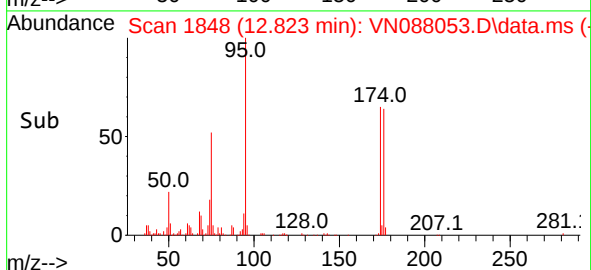
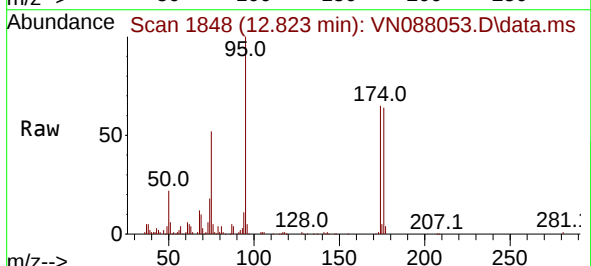
Manual Integrations
APPROVED

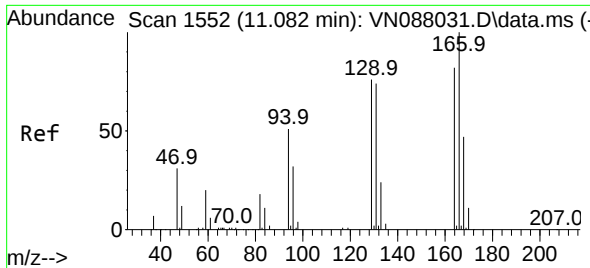
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
4-Bromofluorobenzene
Concen: 30.434 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

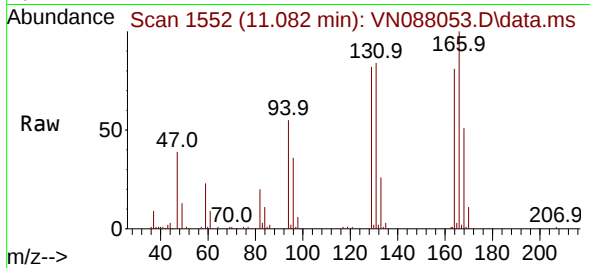
Tgt Ion: 95 Resp: 164360
Ion Ratio Lower Upper
95 100
174 68.3 57.4 86.0
176 66.6 57.0 85.4





#61
Tetrachloroethene
Concen: 16.437 ug/l
RT: 11.082 min Scan# 11082
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

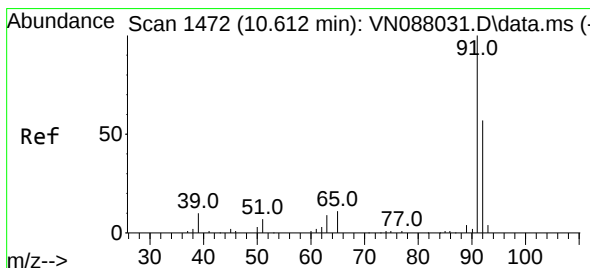
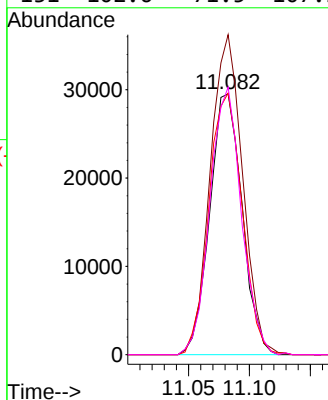
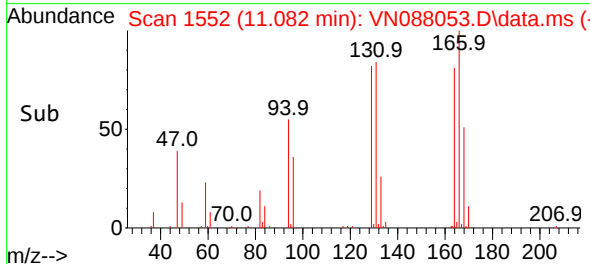
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



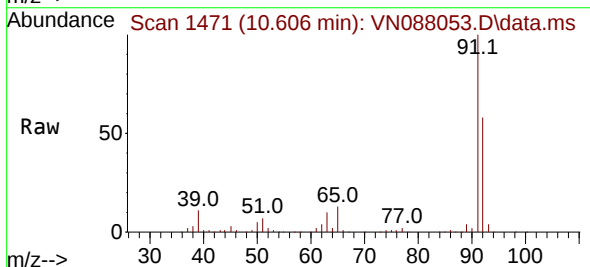
Tgt Ion:164 Resp: 54529
Ion Ratio Lower Upper
164 100
166 122.7 97.2 145.8
129 100.3 73.7 110.5
131 102.6 71.5 107.3

Manual Integrations
APPROVED

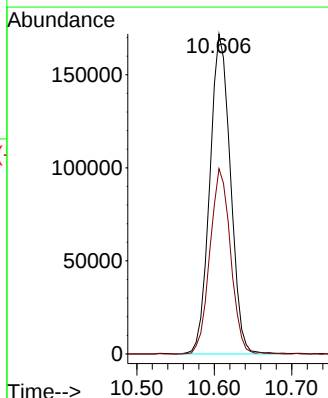
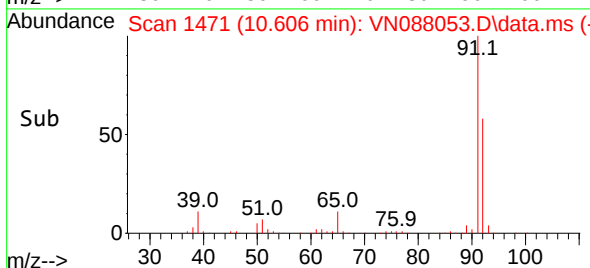
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

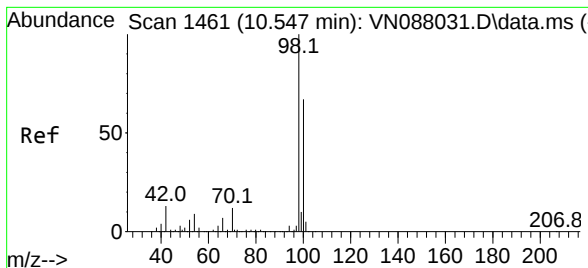


#62
Toluene
Concen: 17.105 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



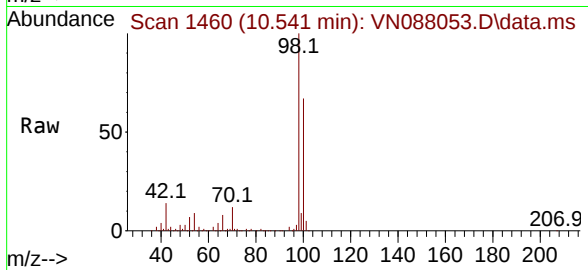
Tgt Ion: 91 Resp: 317844
Ion Ratio Lower Upper
91 100
92 57.7 45.8 68.8





#63
Toluene-d8
Concen: 30.860 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

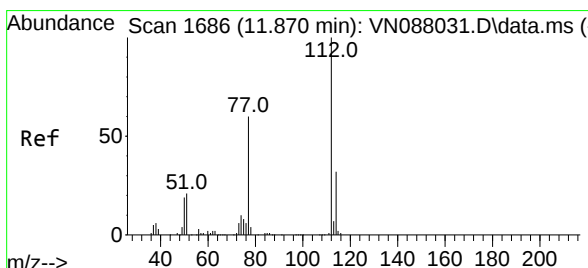
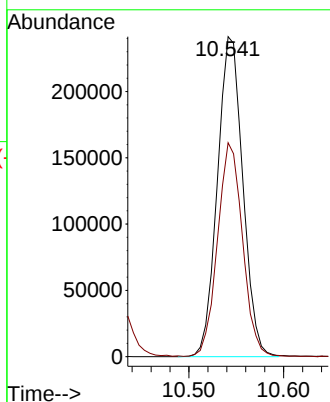
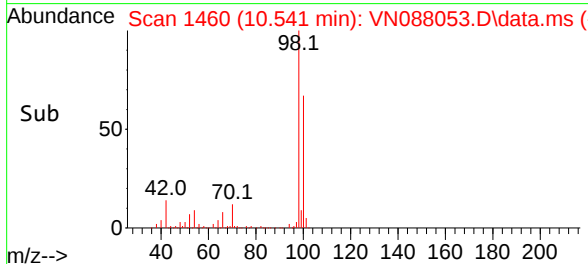
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 98 Resp: 45042
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

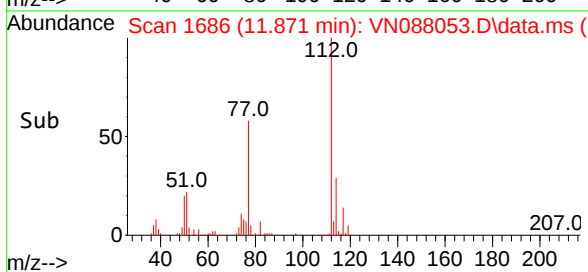
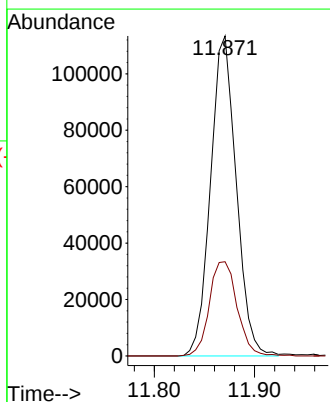
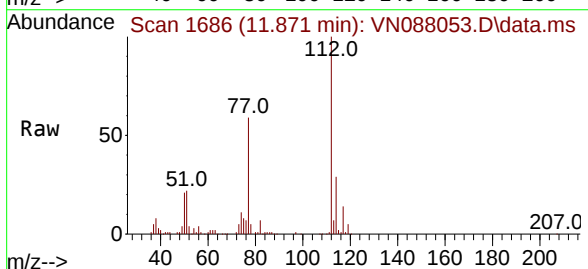
Manual Integrations
APPROVED

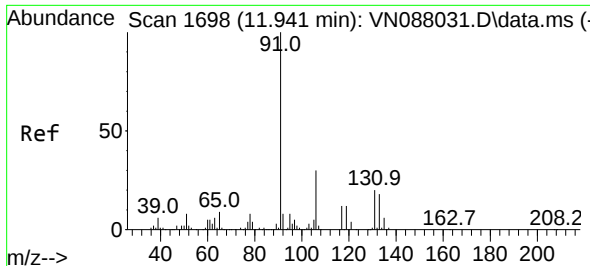
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#64
Chlorobenzene
Concen: 17.033 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

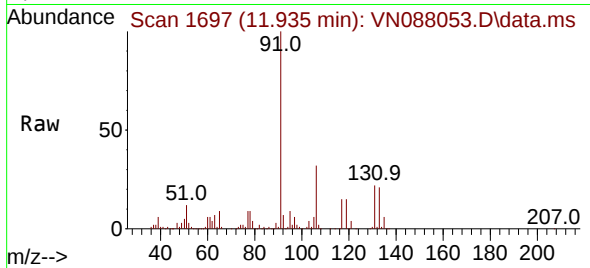
Tgt Ion:112 Resp: 202161
Ion Ratio Lower Upper
112 100
114 29.5 25.7 38.5





#65
1,1,1,2-Tetrachloroethane
Concen: 16.879 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

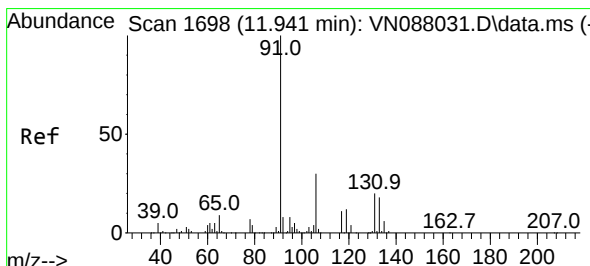
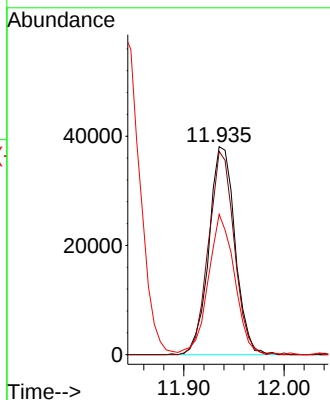
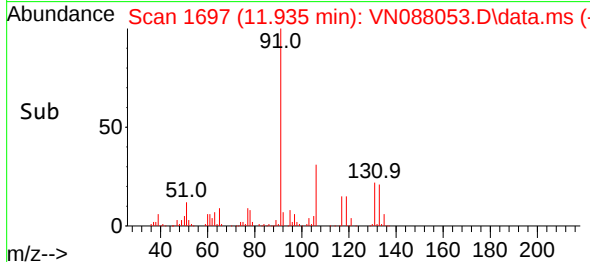
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



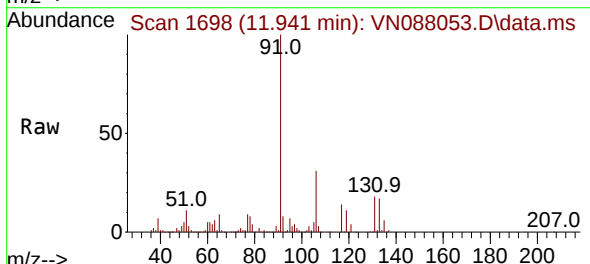
Tgt Ion:131 Resp: 69040
Ion Ratio Lower Upper
131 100
133 96.2 0.0 183.8
119 67.5 0.0 132.0

Manual Integrations
APPROVED

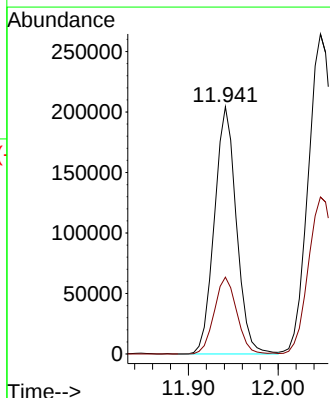
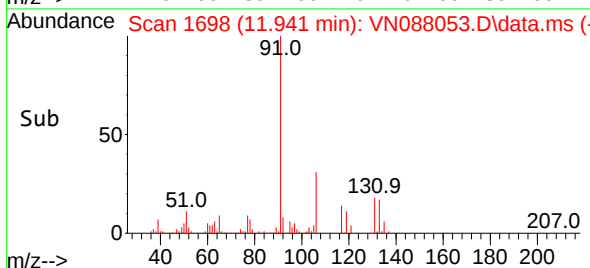
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

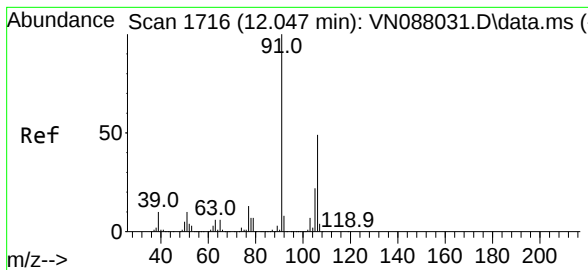


#66
Ethyl Benzene
Concen: 17.226 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



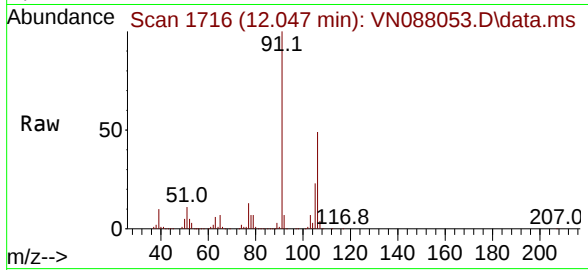
Tgt Ion: 91 Resp: 348063
Ion Ratio Lower Upper
91 100
106 31.1 24.0 36.0





#67
m/p-Xylenes
Concen: 34.481 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

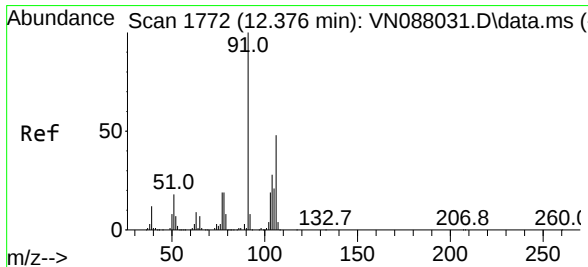
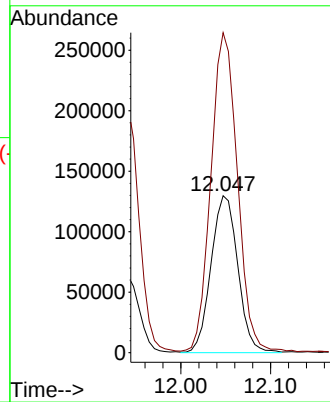
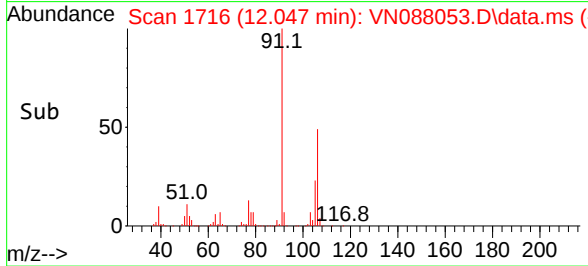
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



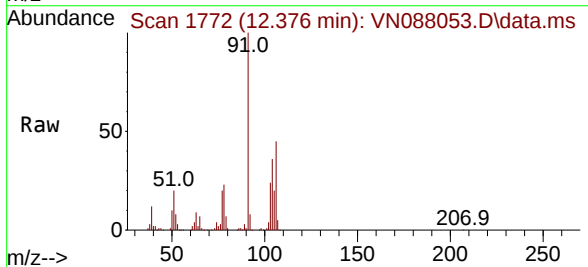
Tgt Ion:106 Resp: 26858
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.0

Manual Integrations
APPROVED

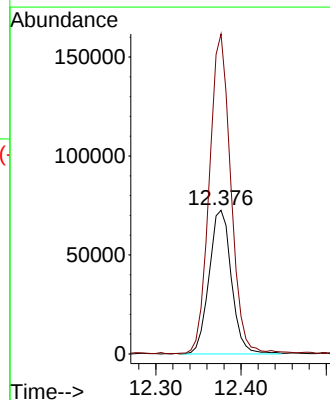
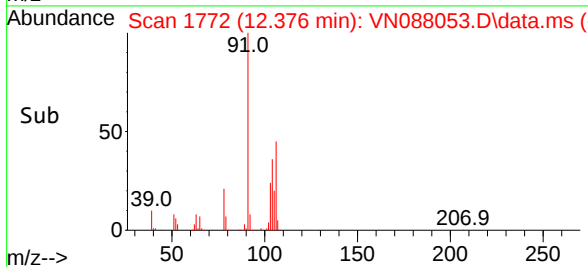
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

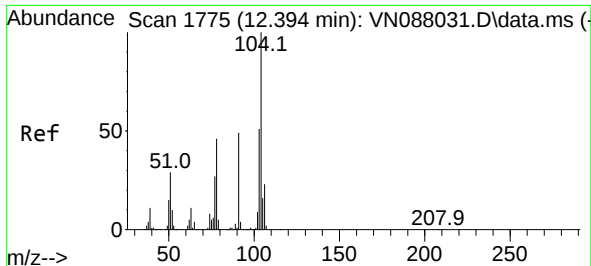


#68
o-Xylene
Concen: 17.073 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



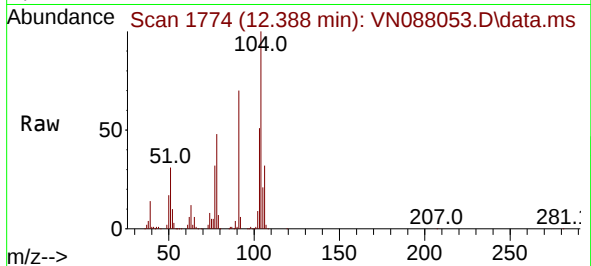
Tgt Ion:106 Resp: 132388
Ion Ratio Lower Upper
106 100
91 213.1 105.2 315.6





#69
Styrene
Concen: 17.034 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

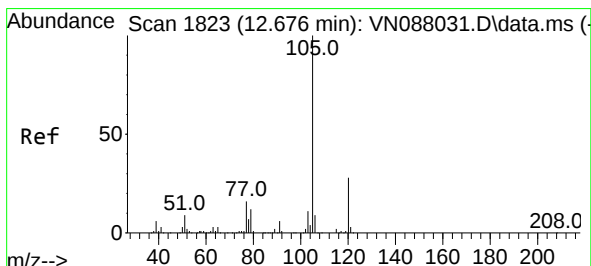
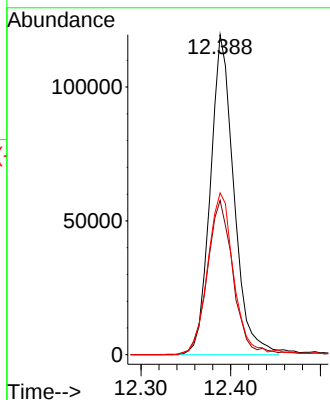
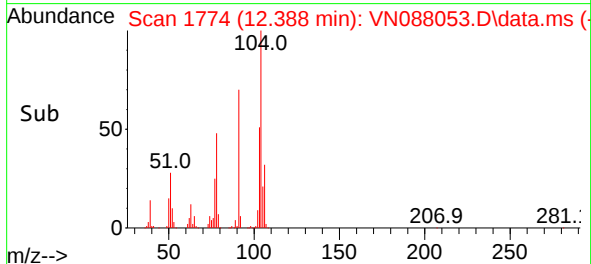
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



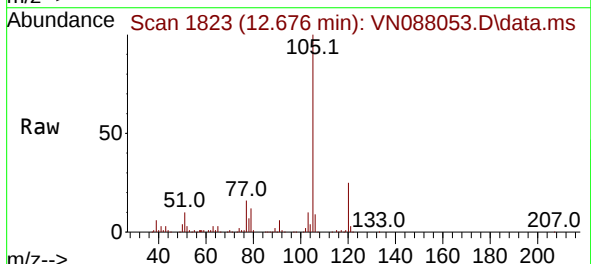
Tgt Ion:104 Resp: 218499
Ion Ratio Lower Upper
104 100
78 51.4 41.8 62.6
103 55.2 44.9 67.3

Manual Integrations
APPROVED

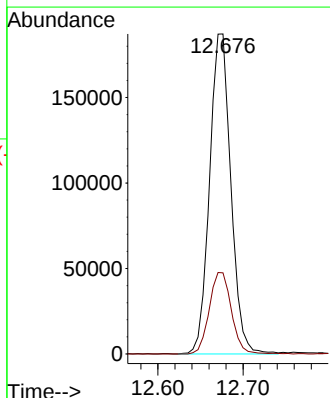
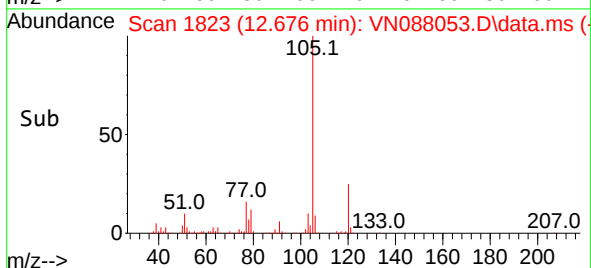
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

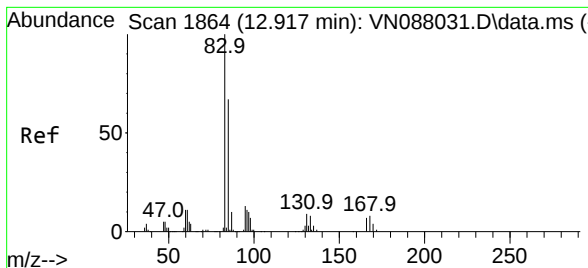


#70
Isopropylbenzene
Concen: 17.140 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



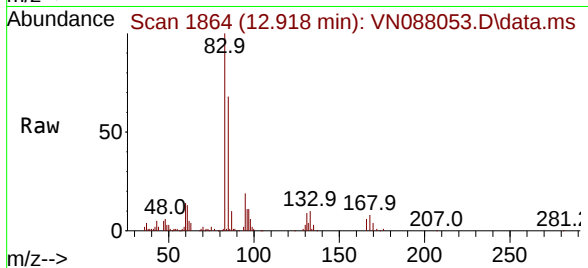
Tgt Ion:105 Resp: 325751
Ion Ratio Lower Upper
105 100
120 26.3 19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 16.033 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

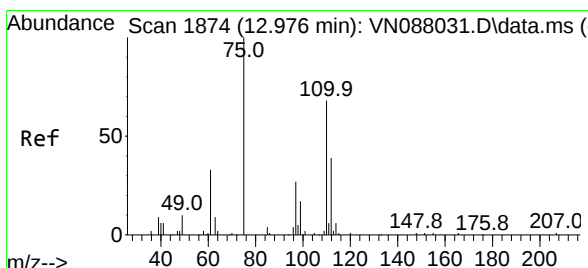
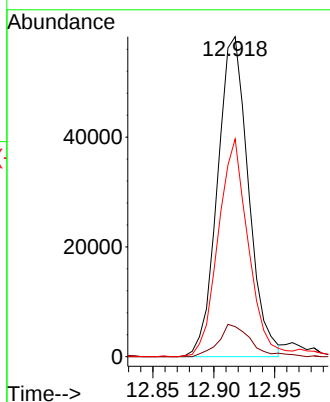
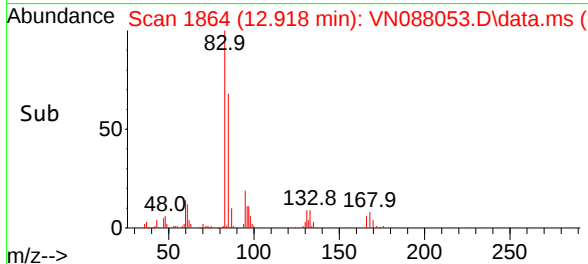
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



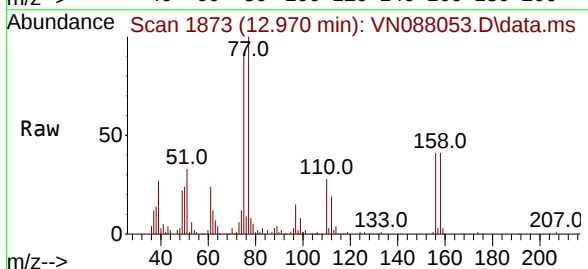
Tgt Ion: 83 Resp: 103308
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 66.2 32.4 97.2

Manual Integrations
APPROVED

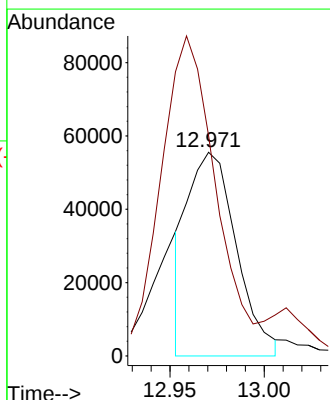
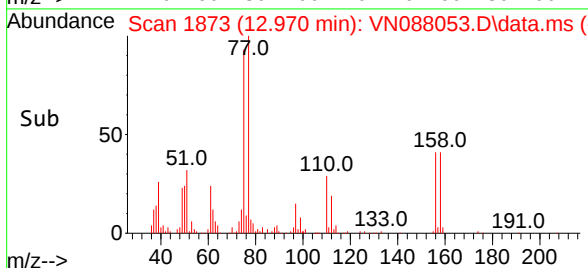
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

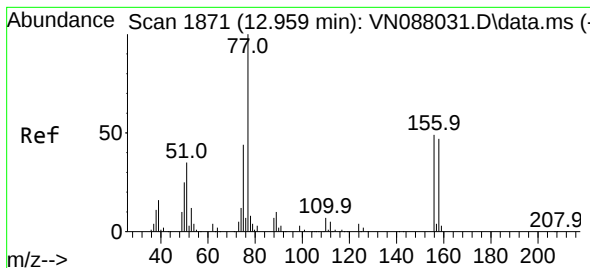


#72
1,2,3-Trichloropropane
Concen: 16.679 ug/l m
RT: 12.970 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



Tgt Ion: 75 Resp: 99806
Ion Ratio Lower Upper
75 100
77 177.3 0.0 364.0





#73

Bromobenzene

Concen: 16.324 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

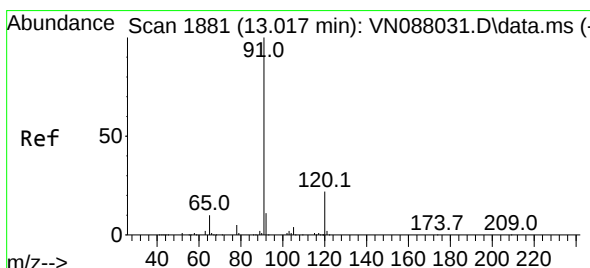
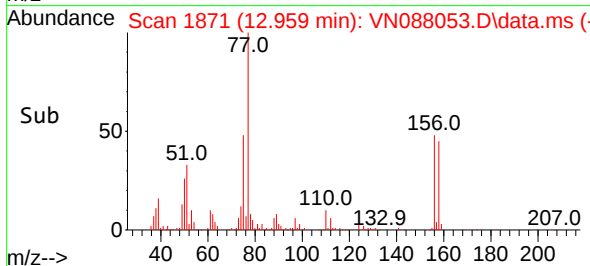
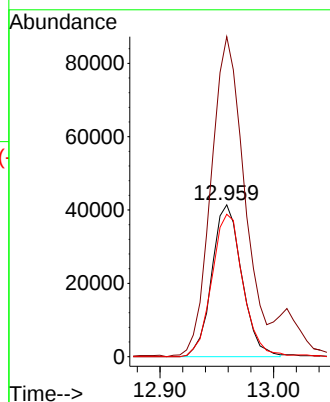
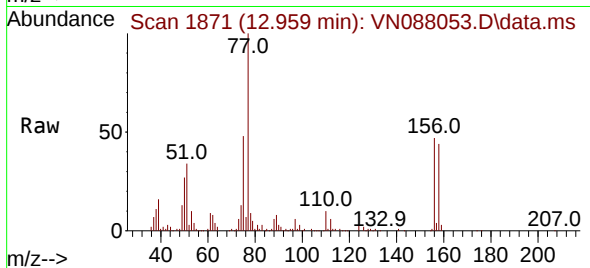
Tgt Ion:	156	Resp:	75820
Ion Ratio	Lower	Upper	
156	100		
77	233.4	0.0	439.8
158	97.4	0.0	190.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

n-propylbenzene

Concen: 17.129 ug/l

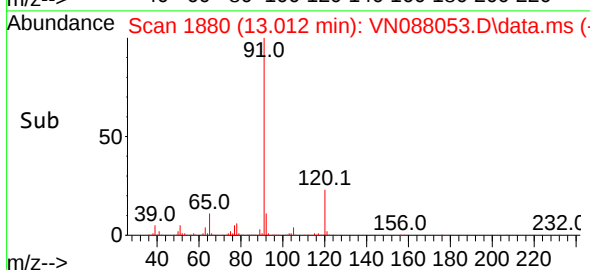
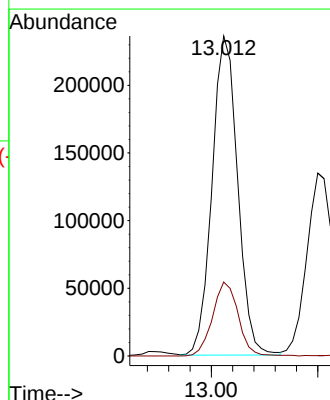
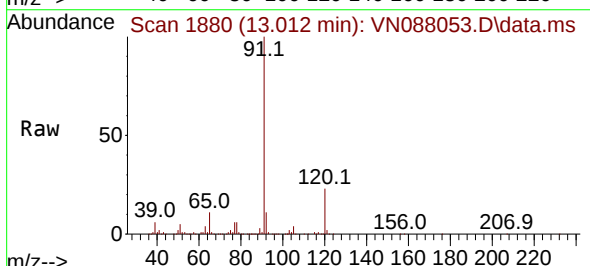
RT: 13.012 min Scan# 1880

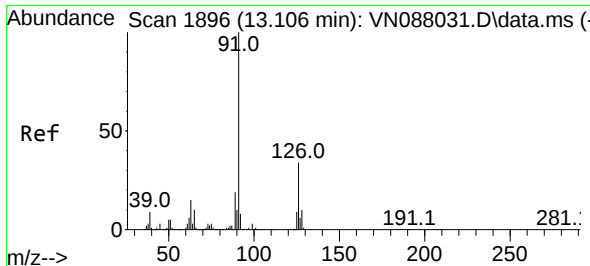
Delta R.T. -0.006 min

Lab File: VN088053.D

Acq: 09 Oct 2025 15:18

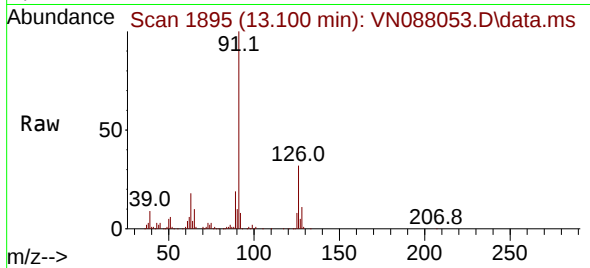
Tgt Ion:	91	Resp:	392988
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.2





#75
2-Chlorotoluene
Concen: 17.242 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

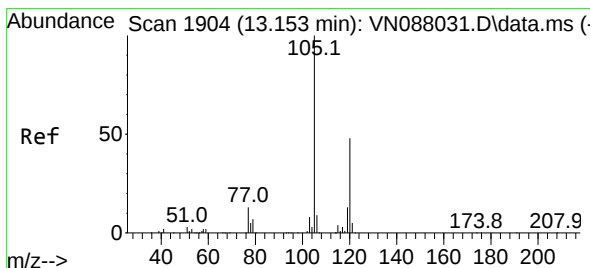
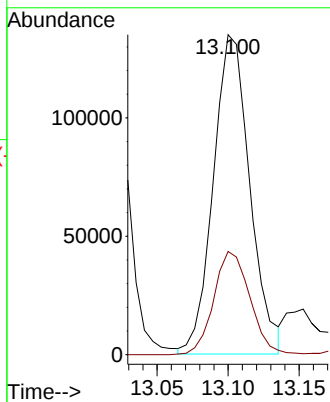
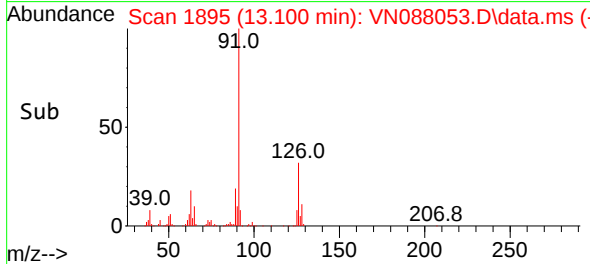
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



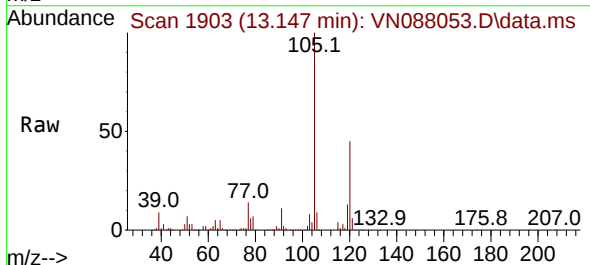
Tgt Ion: 91 Resp: 24187
Ion Ratio Lower Upper
91 100
126 32.1 0.0 66.6

Manual Integrations
APPROVED

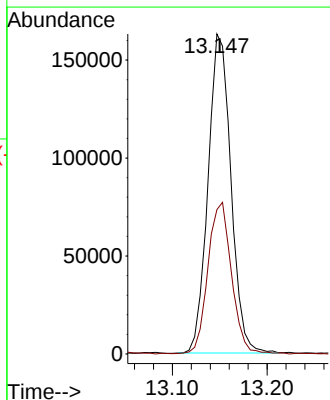
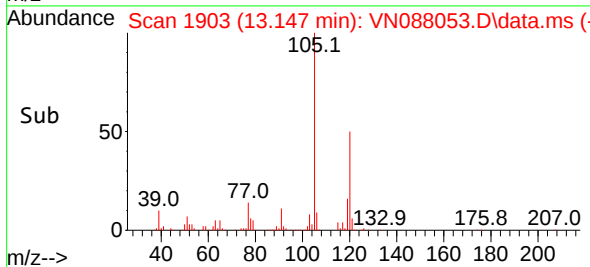
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

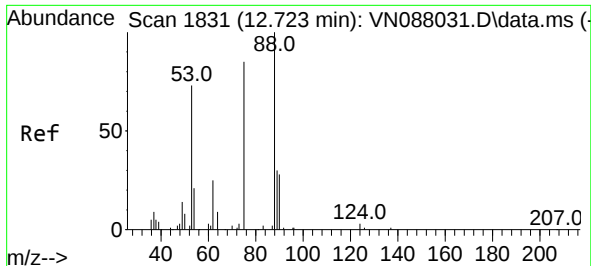


#76
1,3,5-Trimethylbenzene
Concen: 16.935 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



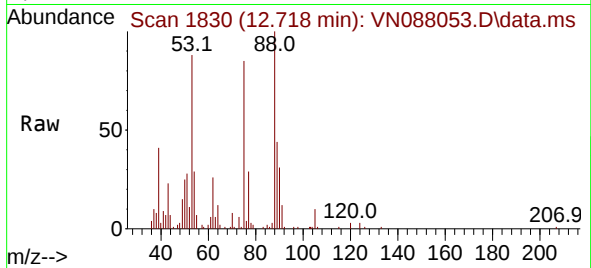
Tgt Ion:105 Resp: 273398
Ion Ratio Lower Upper
105 100
120 49.0 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 14.397 ug/l
RT: 12.718 min Scan# 1831
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

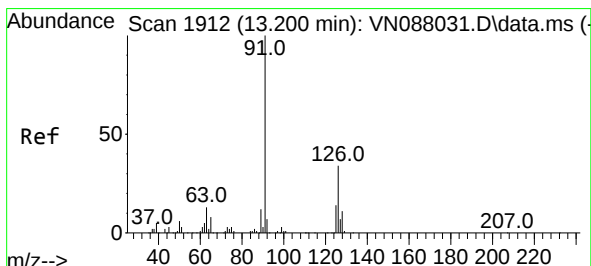
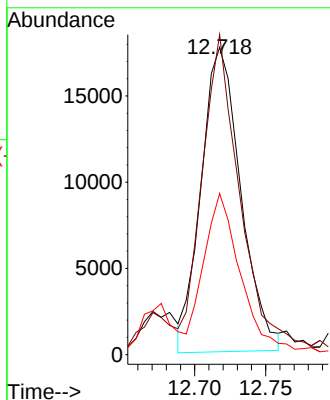
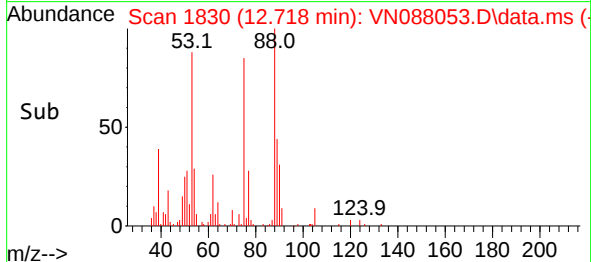
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 34334
Ion Ratio Lower Upper
75 100
53 102.8 41.8 125.3
89 52.3 19.9 59.6

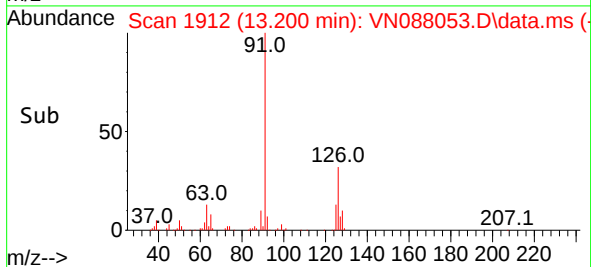
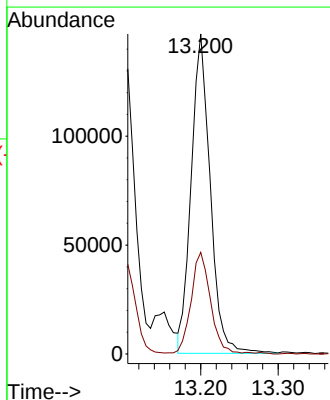
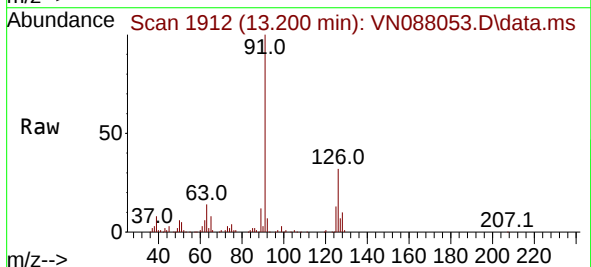
Manual Integrations
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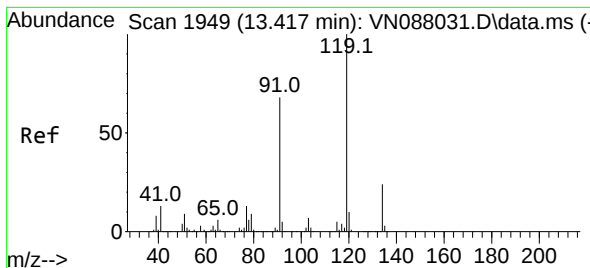
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
4-Chlorotoluene
Concen: 17.546 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Tgt Ion: 91 Resp: 250072
Ion Ratio Lower Upper
91 100
126 32.5 0.0 68.8





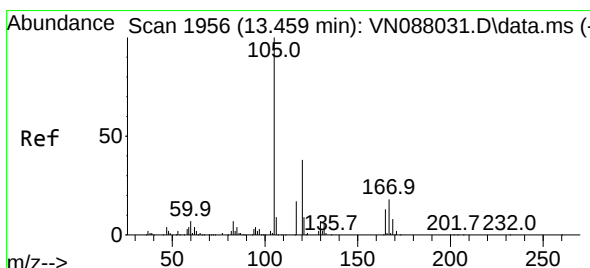
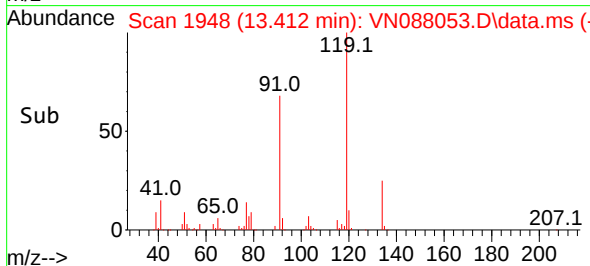
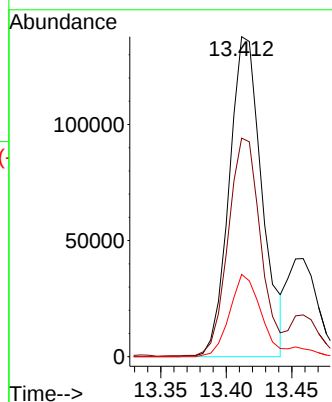
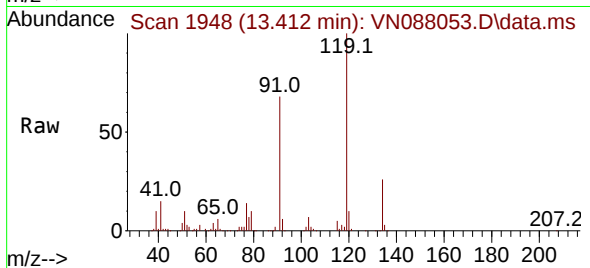
#79
tert-butylbenzene
Concen: 17.140 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 23987
Ion Ratio Lower Upper
119 100
91 66.8 0.0 132.4
134 24.7 0.0 48.6

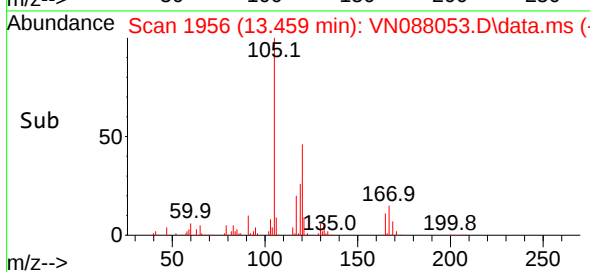
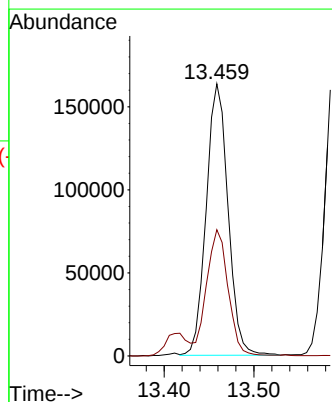
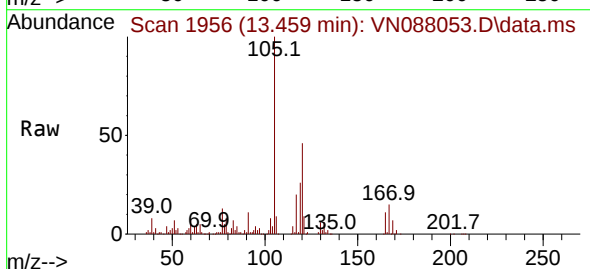
Manual Integrations
APPROVED

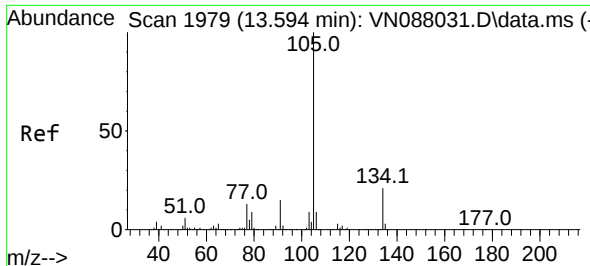
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.091 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Tgt Ion:105 Resp: 276208
Ion Ratio Lower Upper
105 100
120 45.6 0.0 93.8





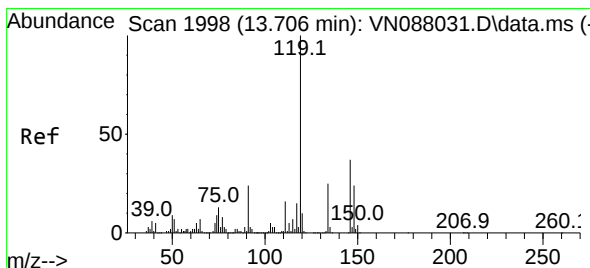
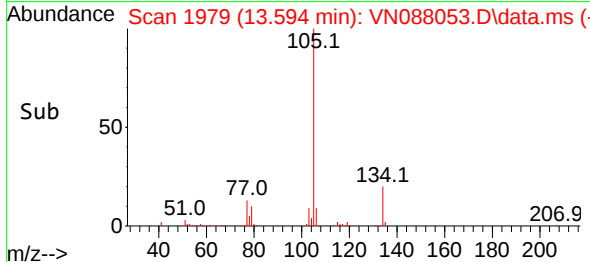
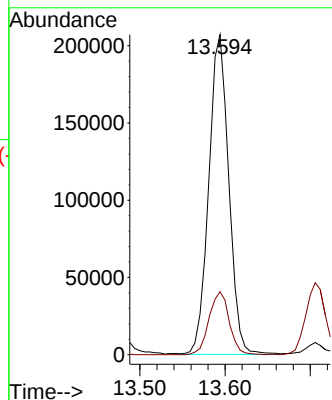
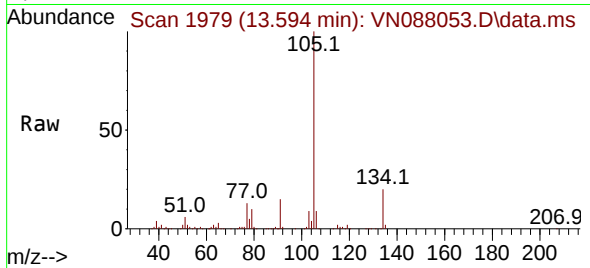
#81
 sec-Butylbenzene
 Concen: 17.180 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088053.D
 Acq: 09 Oct 2025 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 33804
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 41.2

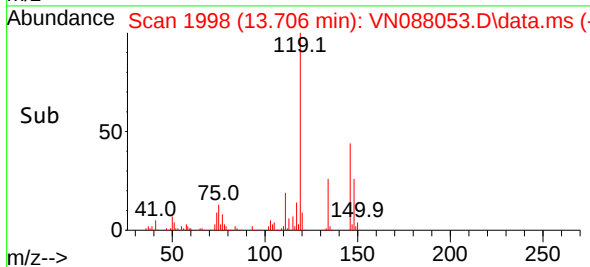
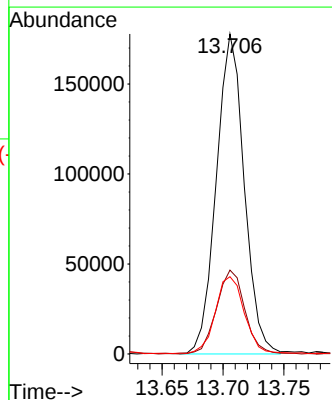
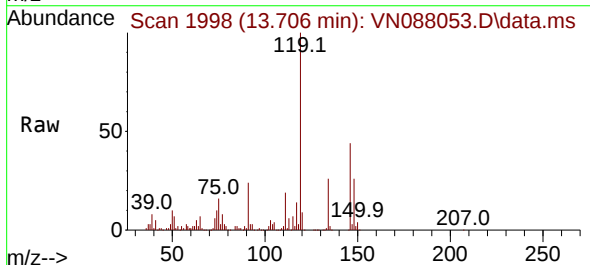
Manual Integrations
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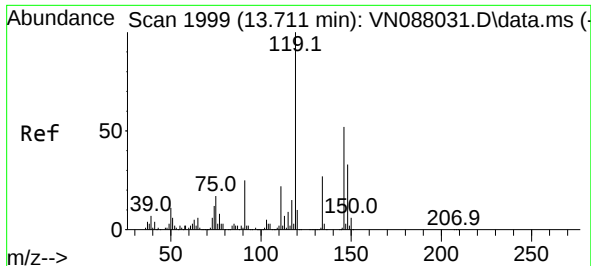
Reviewed By :John Carlone 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#82
 p-Isopropyltoluene
 Concen: 16.859 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN088053.D
 Acq: 09 Oct 2025 15:18

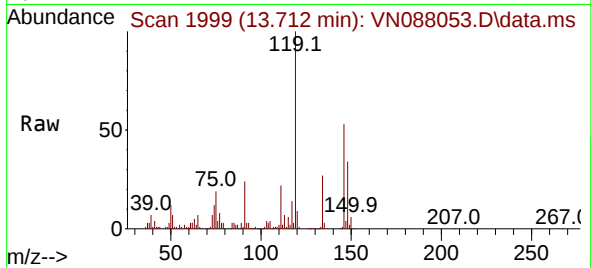
Tgt Ion:119 Resp: 283227
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 24.6 0.0 48.2





#83
1,3-Dichlorobenzene
Concen: 16.813 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

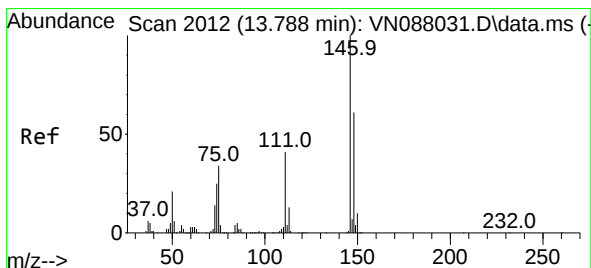
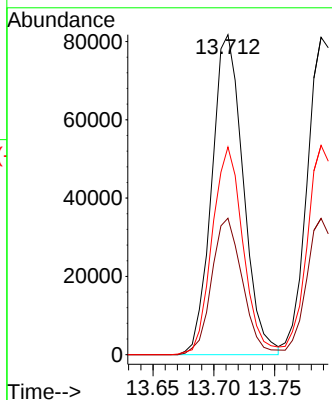
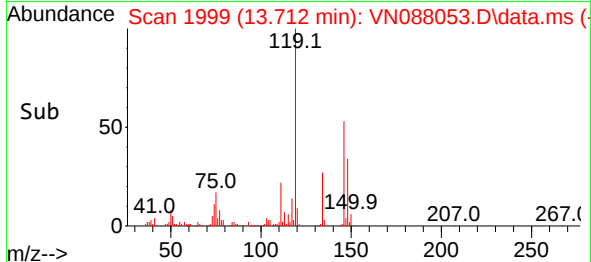
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



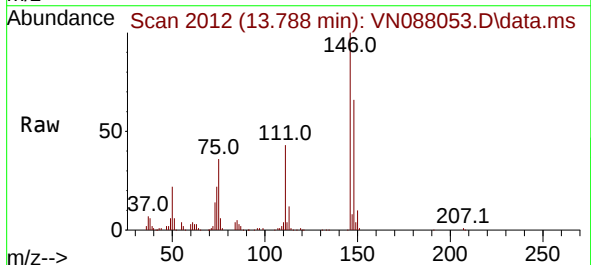
Tgt Ion:146 Resp: 14694
Ion Ratio Lower Upper
146 100
111 42.0 21.1 63.1
148 63.8 31.5 94.5

Manual Integrations
APPROVED

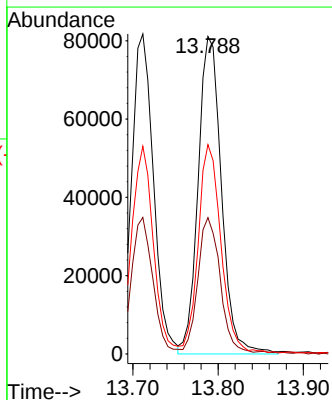
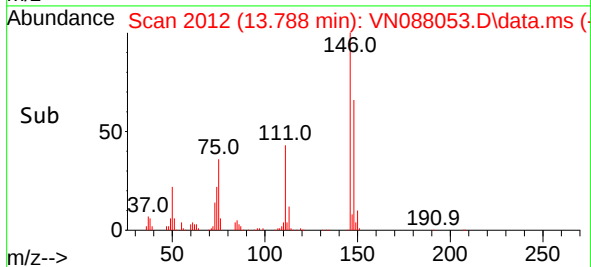
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

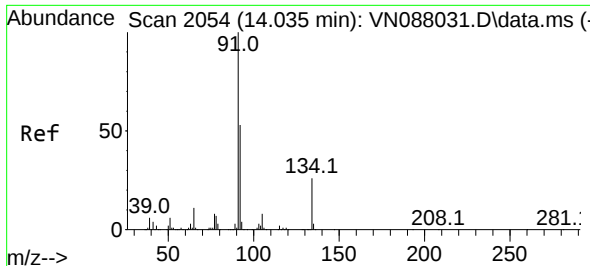


#84
1,4-Dichlorobenzene
Concen: 17.139 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



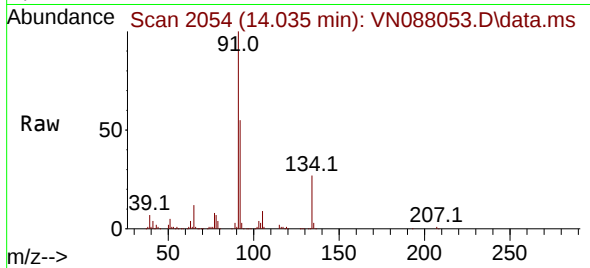
Tgt Ion:146 Resp: 154482
Ion Ratio Lower Upper
146 100
111 41.2 20.5 61.6
148 62.0 31.9 95.9





#85
n-Butylbenzene
Concen: 16.783 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

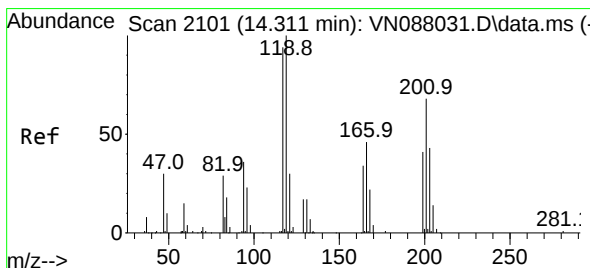
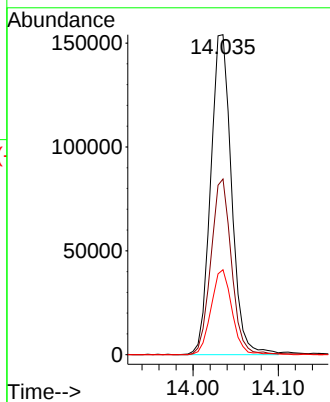
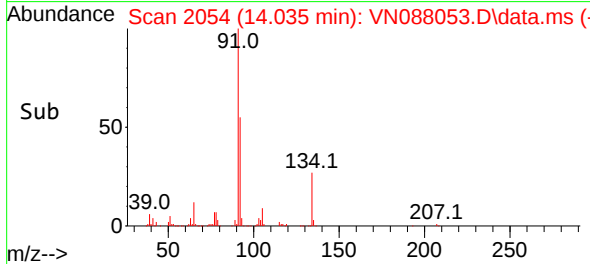
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 26230
Ion Ratio Lower Upper
91 100
92 53.6 0.0 107.6
134 26.3 0.0 52.6

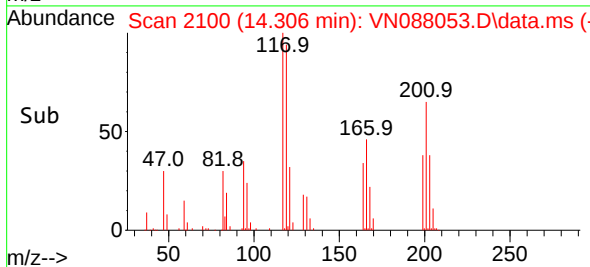
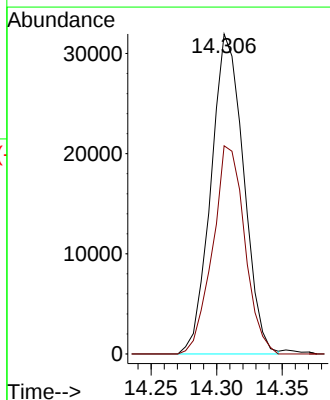
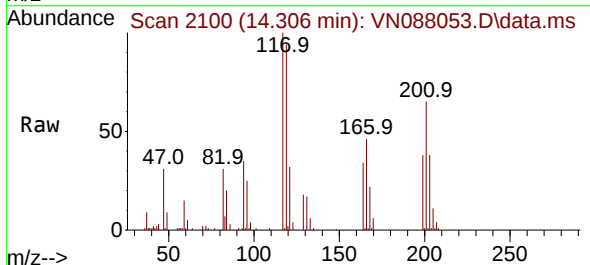
Manual Integrations
APPROVED

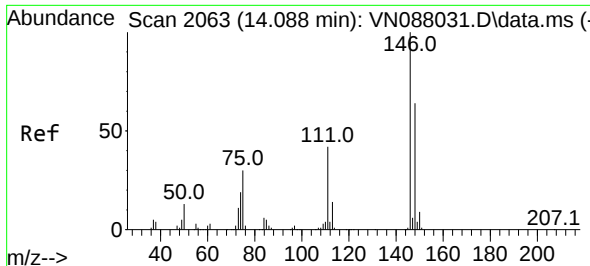
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
Hexachloroethane
Concen: 16.400 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

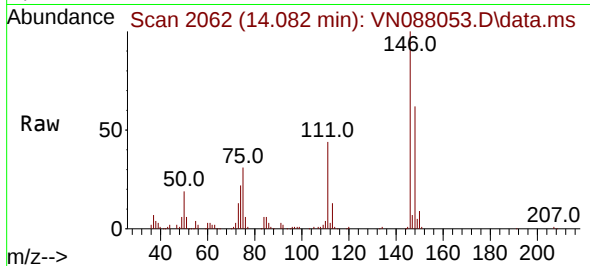
Tgt Ion:117 Resp: 55192
Ion Ratio Lower Upper
117 100
201 64.0 34.8 104.3





#87
1,2-Dichlorobenzene
Concen: 16.713 ug/l
RT: 14.082 min Scan# 2063
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

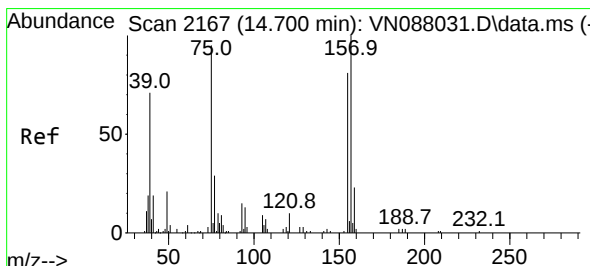
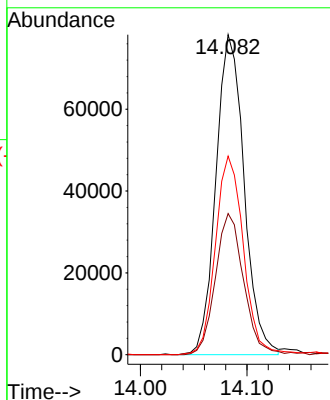
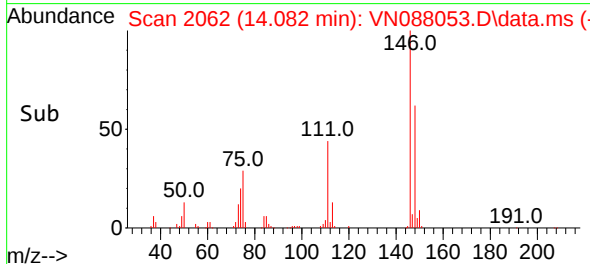
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



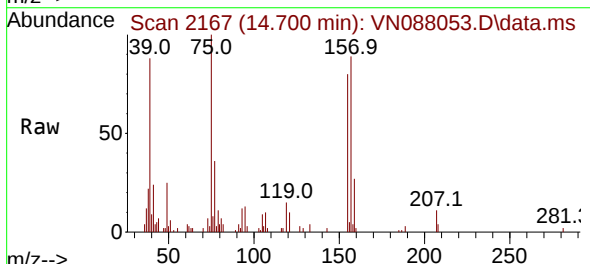
Tgt Ion:146 Resp: 143672
Ion Ratio Lower Upper
146 100
111 43.8 22.3 66.8
148 61.8 31.4 94.3

Manual Integrations
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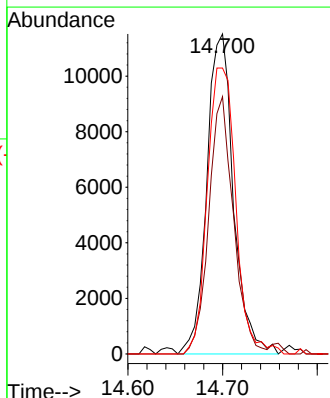
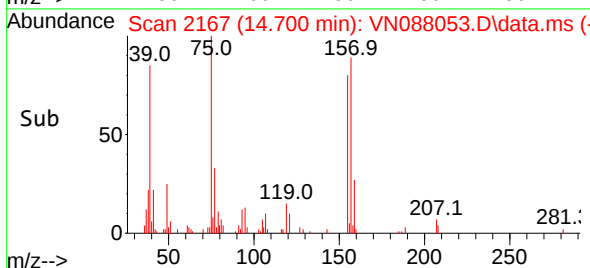
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

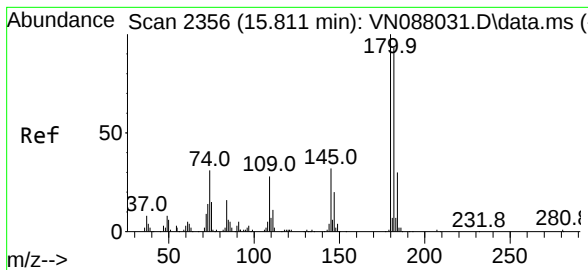


#88
1,2-Dibromo-3-Chloropropane
Concen: 15.276 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



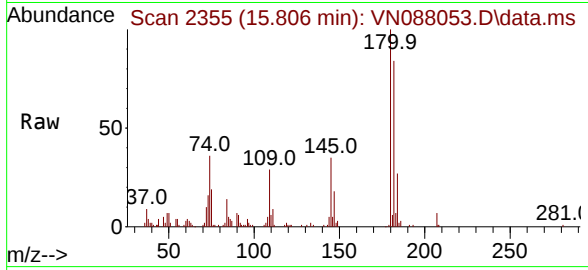
Tgt Ion: 75 Resp: 22606
Ion Ratio Lower Upper
75 100
155 74.6 63.5 95.3
157 94.4 81.7 122.5





#89
1,2,4-Trichlorobenzene
Concen: 15.581 ug/l
RT: 15.806 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

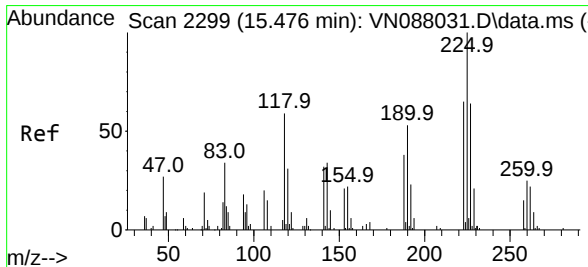
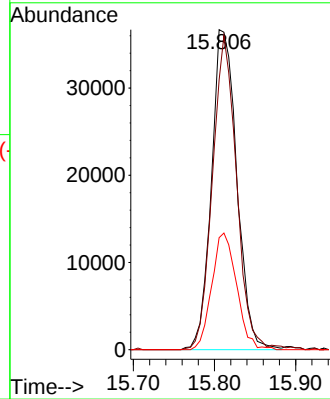
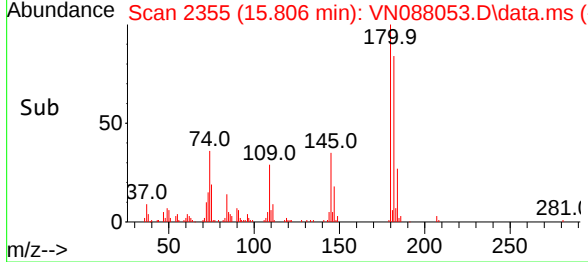
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



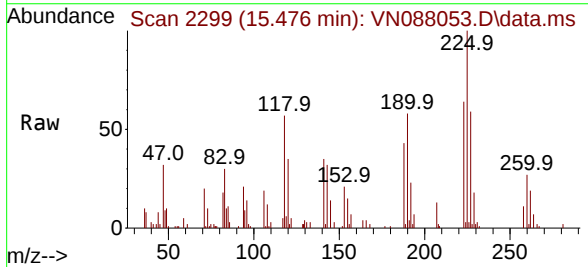
Tgt Ion:180 Resp: 79784
Ion Ratio Lower Upper
180 100
182 92.4 74.6 112.0
145 35.3 27.2 40.8

Manual Integrations
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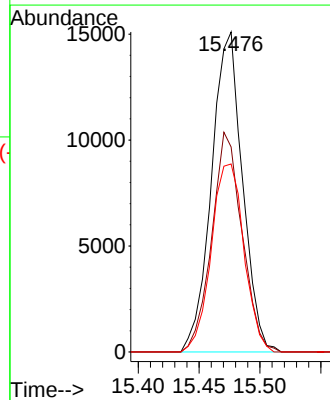
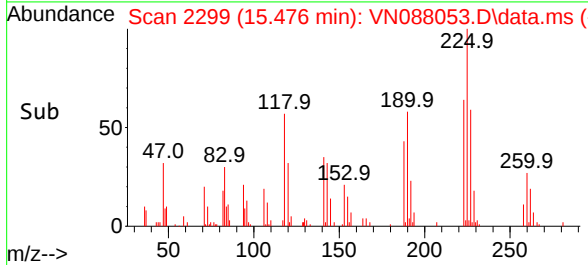
Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

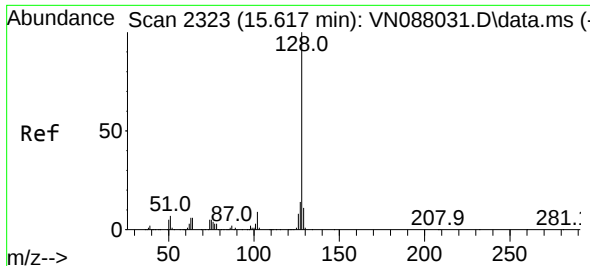


#90
Hexachlorobutadiene
Concen: 15.001 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18



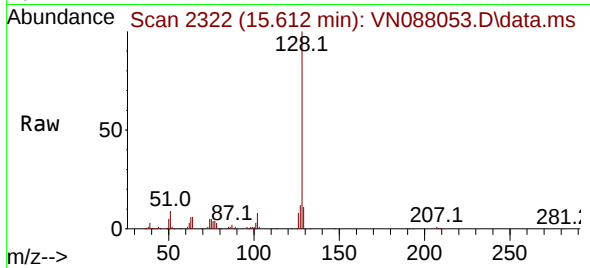
Tgt Ion:225 Resp: 26733
Ion Ratio Lower Upper
225 100
223 67.3 0.0 129.6
227 62.0 0.0 132.2





#91
Naphthalene
Concen: 15.399 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

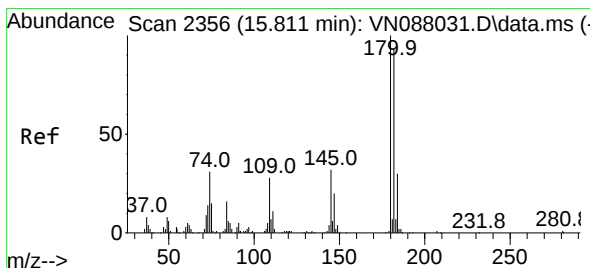
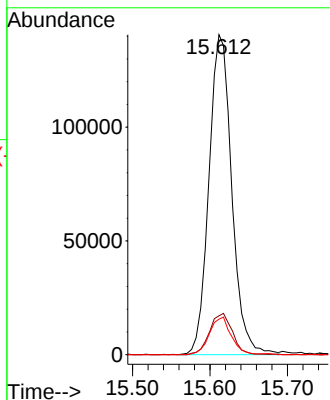
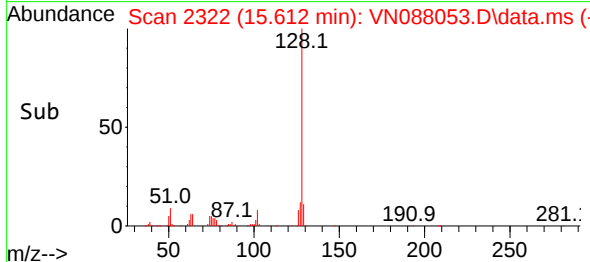
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 28867
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.2 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 15.581 ug/l
RT: 15.806 min Scan# 2355
Delta R.T. -0.006 min
Lab File: VN088053.D
Acq: 09 Oct 2025 15:18

Tgt Ion:180 Resp: 79784
Ion Ratio Lower Upper
180 100
182 92.4 0.0 186.6
145 35.3 0.0 68.0

