

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087163.D
 Acq On : 25 Jun 2025 09:20
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:35:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	35021	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.106	114	196036	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	185687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80849	33.600	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.000%#			
60) 4-Bromofluorobenzene	12.847	95	83246	28.555	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.167%			
63) Toluene-d8	10.565	98	259828	30.486	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.633%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	38576	16.218	ug/l	97
3) Chloromethane	2.395	50	36457	11.888	ug/l	98
4) Vinyl Chloride	2.553	62	42008	14.885	ug/l	93
5) Bromomethane	3.001	94	22531	15.067	ug/l	93
6) Chloroethane	3.153	64	22548	13.062	ug/l	98
7) Trichlorofluoromethane	3.530	101	54211	16.400	ug/l	97
8) Diethyl Ether	3.983	74	25082	18.191	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.400	101	39250	19.375	ug/l	86
10) 1,1-Dichloroethene	4.371	96	39141	18.952	ug/l	99
11) Methyl Iodide	4.612	142	30168	12.391	ug/l	95
12) Methyl Acetate	5.047	43	61084	26.632	ug/l	94
13) Acrolein	4.206	56	41919	176.912	ug/l	100
14) Acrylonitrile	5.736	53	143262	134.221	ug/l	98
15) Acetone	4.453	58	42803	158.384	ug/l	88
16) Carbon Disulfide	4.736	76	113169	18.771	ug/l	100
17) Allyl chloride	5.042	41	64418	20.995	ug/l	92
18) Methylene Chloride	5.300	84	45462	18.954	ug/l	96
19) trans-1,2-Dichloroethene	5.806	96	42521	19.673	ug/l	90
20) Diisopropyl ether	6.689	45	142052	21.022	ug/l	94
21) 1,1-Dichloroethane	6.583	63	83594	20.498	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	48862	18.668	ug/l	93
23) tert-Butyl Alcohol	5.536	59	52931	154.426	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	133867	19.667	ug/l	95
25) Chloroform	7.971	83	77659	19.456	ug/l	98
26) Cyclohexane	8.265	56	65879	18.665	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	52341	18.159	ug/l	99
30) 2-Butanone	7.494	43	186786	147.905	ug/l	97
31) 2,2-Dichloropropane	7.500	77	67667	19.889	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	65006	19.456	ug/l	99
33) Carbon Tetrachloride	8.371	117	51957	18.192	ug/l	96
34) Benzene	8.612	78	171052	18.239	ug/l #	94
35) Methacrylonitrile	7.788	41	37169	25.622	ug/l	95
36) 1,2-Dichloroethane	8.671	62	57773	21.023	ug/l	96
37) Trichloroethene	9.353	130	38479	14.792	ug/l	94
38) Methylcyclohexane	9.606	83	61684	19.288	ug/l	96
39) 1,2-Dichloropropane	9.624	63	45479	20.143	ug/l	99
40) Dibromomethane	9.712	93	30677	20.774	ug/l	97
41) Bromodichloromethane	9.894	83	63009	20.384	ug/l	99
42) Vinyl Acetate	6.618	43	619269	168.226	ug/l	94

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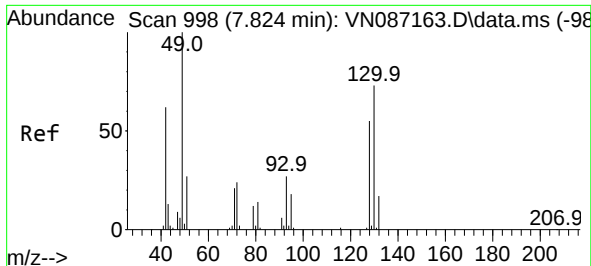
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 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:35:36 2025
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	73261	28.350	ug/l	99
44) Isopropyl Acetate	8.694	43	109066	24.603	ug/l	92
45) 1,4-Dioxane	9.700	88	14898	378.114	ug/l	94
46) Methyl methacrylate	9.682	41	51785	25.335	ug/l	94
47) n-amyl Acetate	12.529	43	66120m	18.579	ug/l	
48) t-1,3-Dichloropropene	10.835	75	66870	20.216	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	74233	20.403	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	43535	20.932	ug/l	97
51) Ethyl methacrylate	10.882	69	61428	18.237	ug/l	97
52) 1,3-Dichloropropane	11.165	76	74825	20.272	ug/l	99
53) Dibromochloromethane	11.359	129	44787	19.056	ug/l	99
54) 1,2-Dibromoethane	11.471	107	44953	21.145	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	189897	117.448	ug/l	99
56) Bromoform	12.576	173	30532	20.618	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	338778	124.338	ug/l	97
59) 2-Hexanone	11.206	43	199560	102.251	ug/l	99
61) Tetrachloroethene	11.106	164	33143	10.618	ug/l	93
62) Toluene	10.629	91	191888	18.349	ug/l	99
64) Chlorobenzene	11.888	112	121902	18.278	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40342	18.412	ug/l	99
66) Ethyl Benzene	11.965	91	204111	18.045	ug/l	97
67) m/p-Xylenes	12.070	106	157576	35.500	ug/l	98
68) o-Xylene	12.394	106	74793	17.386	ug/l	99
69) Styrene	12.412	104	128666	17.953	ug/l	98
70) Isopropylbenzene	12.694	105	183132	17.899	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	70012	28.780	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	57564m	20.191	ug/l	
73) Bromobenzene	12.982	156	44654	17.559	ug/l	89
74) n-propylbenzene	13.035	91	223685	18.457	ug/l	98
75) 2-Chlorotoluene	13.123	91	133694	17.187	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	146137	17.169	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	24271	20.803	ug/l	93
78) 4-Chlorotoluene	13.217	91	137101	17.793	ug/l	99
79) tert-butylbenzene	13.435	119	122243	16.611	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	145827	17.068	ug/l	99
81) sec-Butylbenzene	13.612	105	182391	18.192	ug/l	99
82) p-Isopropyltoluene	13.729	119	156830	18.630	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	88727	19.018	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	88343	19.028	ug/l	99
85) n-Butylbenzene	14.053	91	142647	20.240	ug/l	99
86) Hexachloroethane	14.329	117	28116	19.596	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	82984	18.439	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.711	75	15132	29.539	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	46967	24.937	ug/l	96
90) Hexachlorobutadiene	15.494	225	13876	17.189	ug/l	99
91) Naphthalene	15.635	128	178532	27.168	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	46967	24.937	ug/l	96

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



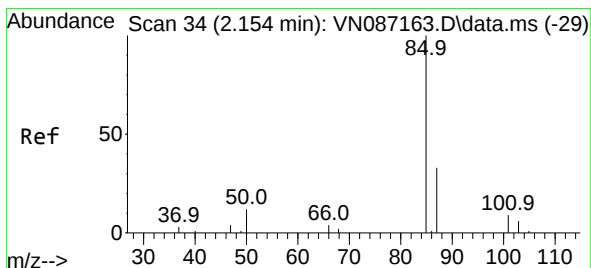
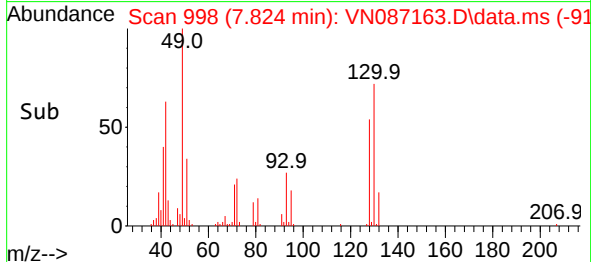
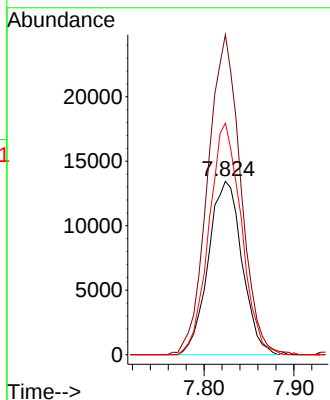
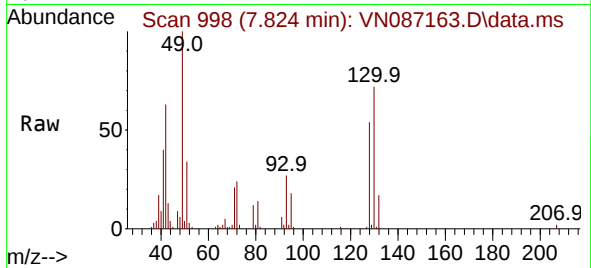
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
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Client Sample Id :
VSTDICCC020

Tgt Ion: 128 Resp: 3502
Ion Ratio Lower Upper
128 100
49 180.2 0.0 404.5
130 128.3 0.0 322.2

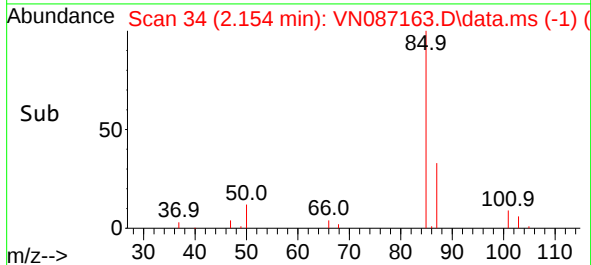
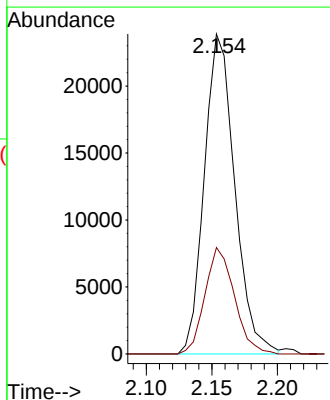
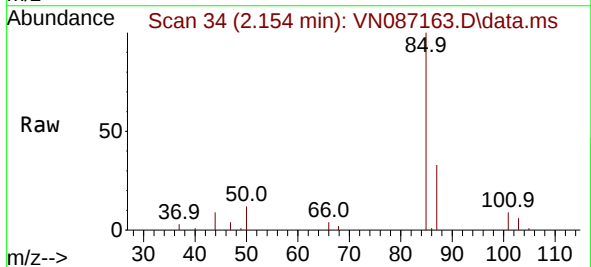
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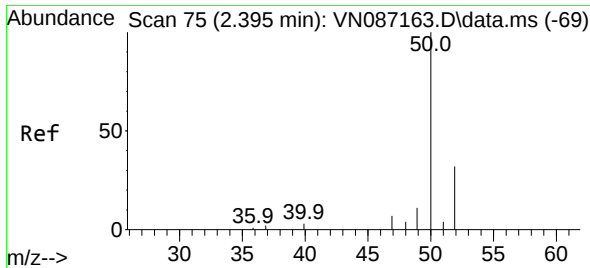
Reviewed By : John Carlone 06/25/2025
Supervised By : Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 16.218 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.029 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

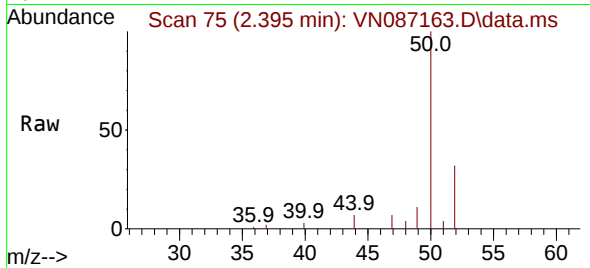
Tgt Ion: 85 Resp: 38576
Ion Ratio Lower Upper
85 100
87 33.3 15.9 47.7





#3
Chloromethane
Concen: 11.888 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

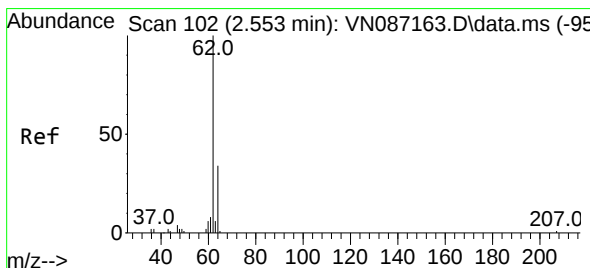
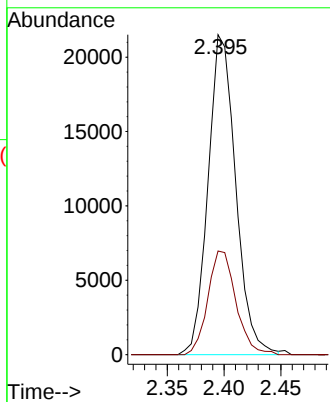
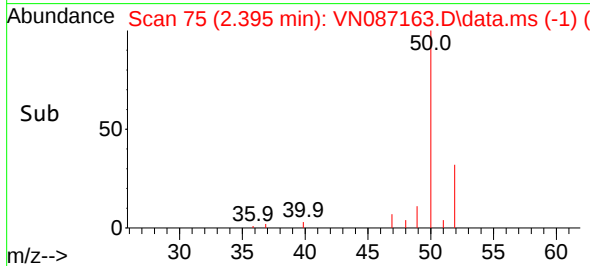
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



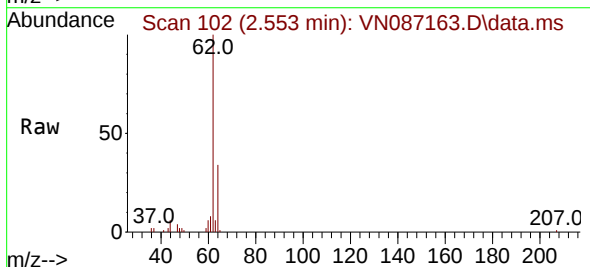
Tgt Ion: 50 Resp: 3645
Ion Ratio Lower Upper
50 100
52 32.4 26.6 40.0

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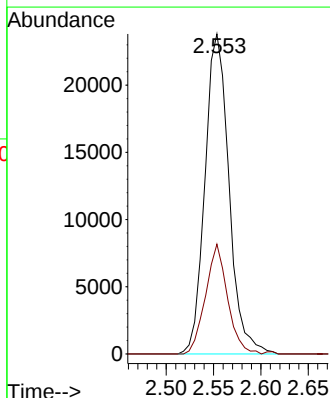
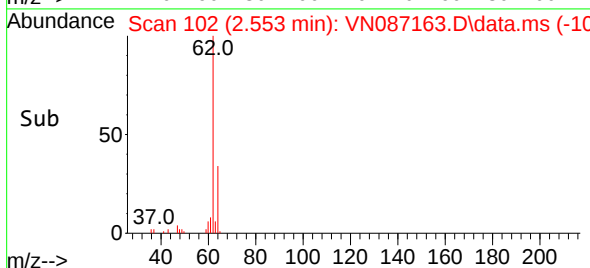
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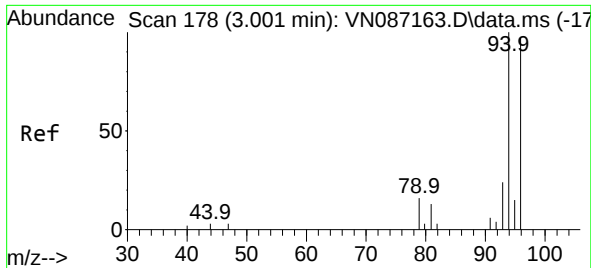


#4
Vinyl Chloride
Concen: 14.885 ug/l
RT: 2.553 min Scan# 102
Delta R.T. 0.041 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



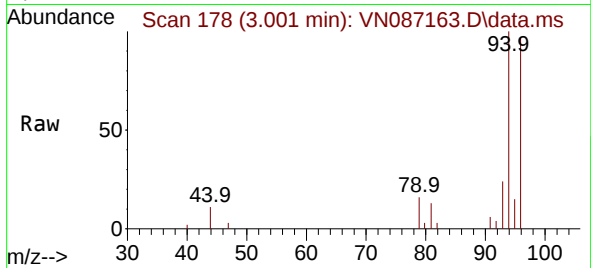
Tgt Ion: 62 Resp: 42008
Ion Ratio Lower Upper
62 100
64 34.3 24.6 36.8





#5
Bromomethane
Concen: 15.067 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.041 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

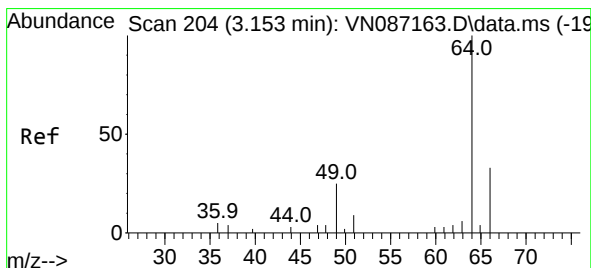
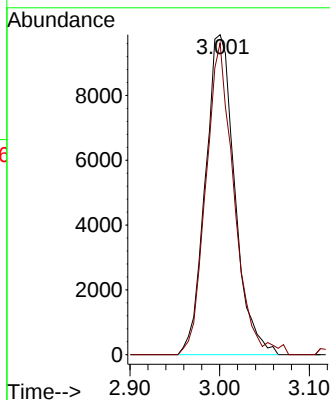
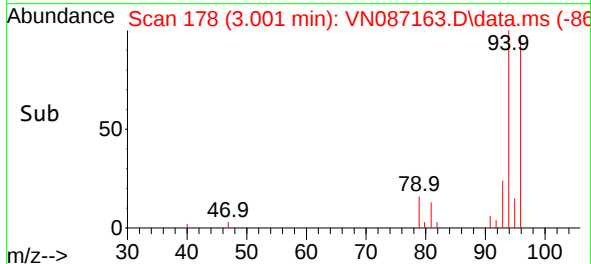
Instrument :
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ClientSampleId :
VSTDICCC020



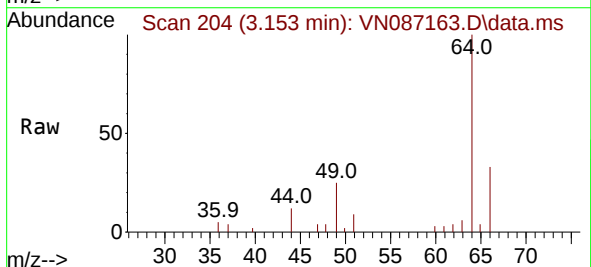
Tgt Ion: 94 Resp: 2253
Ion Ratio Lower Upper
94 100
96 97.4 72.7 109.1

Manual Integrations
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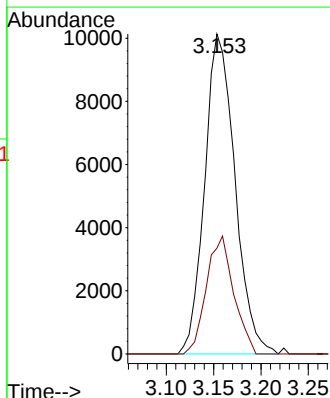
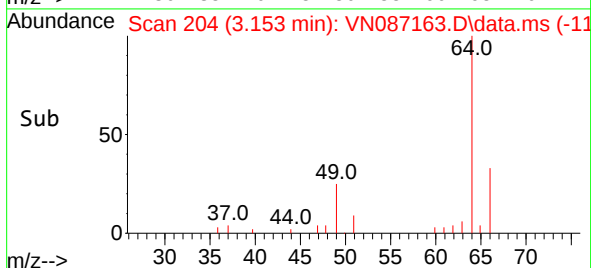
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

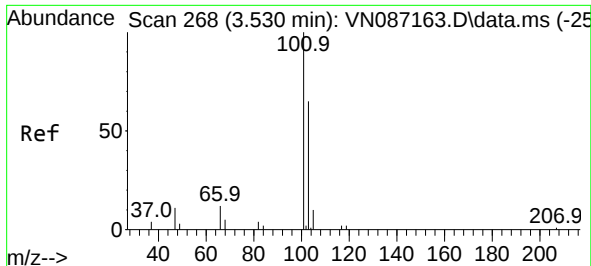


#6
Chloroethane
Concen: 13.062 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.029 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



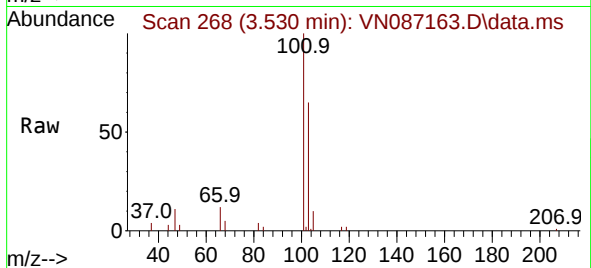
Tgt Ion: 64 Resp: 22548
Ion Ratio Lower Upper
64 100
66 33.0 27.5 41.3





#7
 Trichlorofluoromethane
 Concen: 16.400 ug/l
 RT: 3.530 min Scan# 268
 Delta R.T. 0.029 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

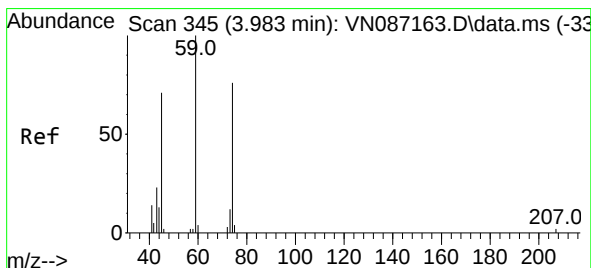
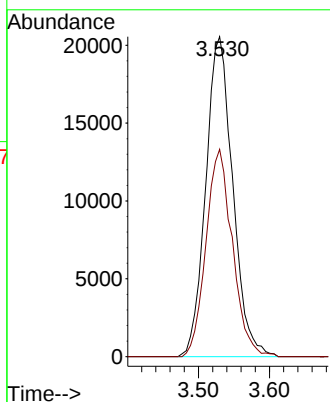
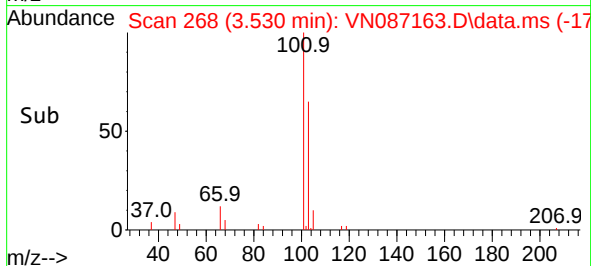
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Tgt Ion: 101 Resp: 5421
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.0 75.0

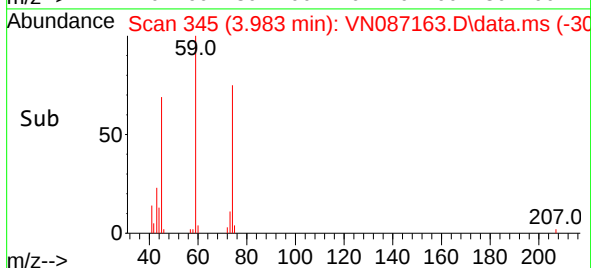
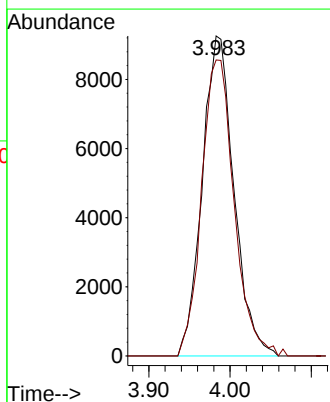
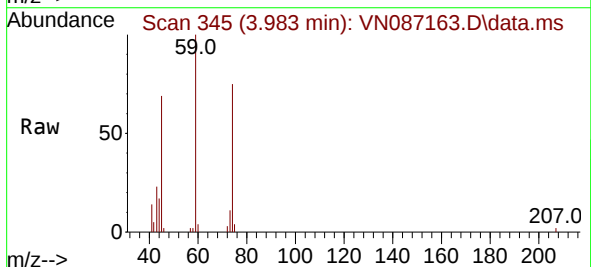
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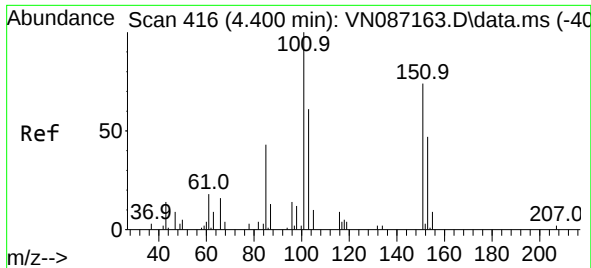
Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025



#8
 Diethyl Ether
 Concen: 18.191 ug/l
 RT: 3.983 min Scan# 345
 Delta R.T. 0.023 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 74 Resp: 25082
 Ion Ratio Lower Upper
 74 100
 45 95.0 17.9 161.5





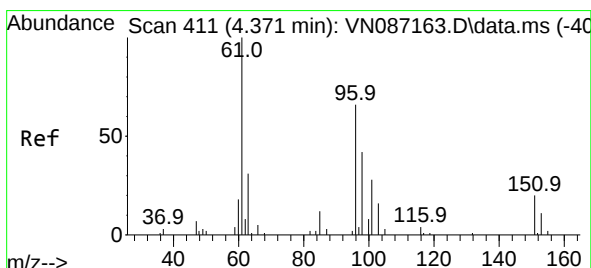
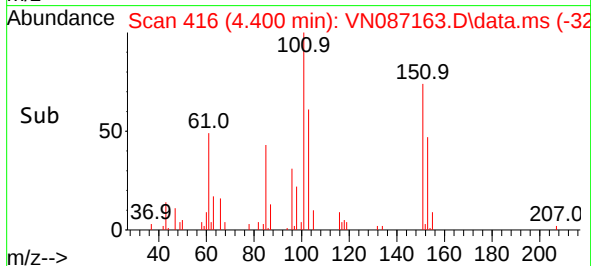
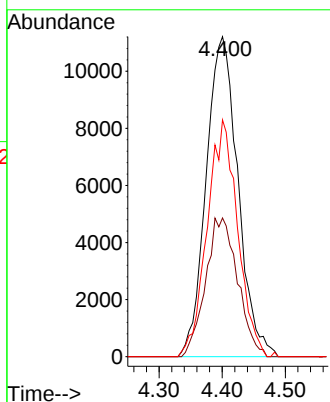
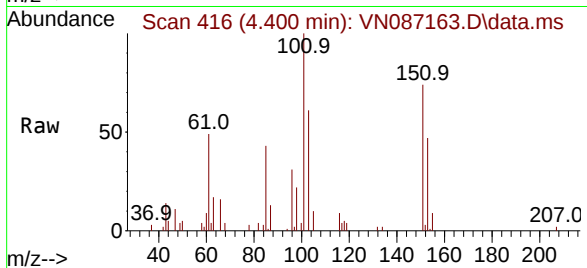
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 1,1,2-Trichlorotrifluoroethane
 Concen: 19.375 ug/l
 RT: 4.400 min Scan# 416
 Delta R.T. 0.035 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:101 Resp: 39250
 Ion Ratio Lower Upper
 101 100
 85 20.3 0.0 83.2
 151 70.6 0.0 145.6

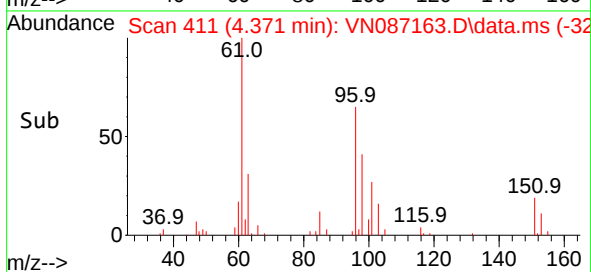
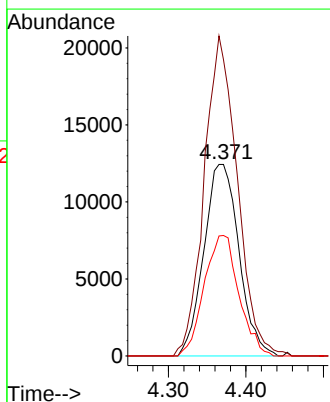
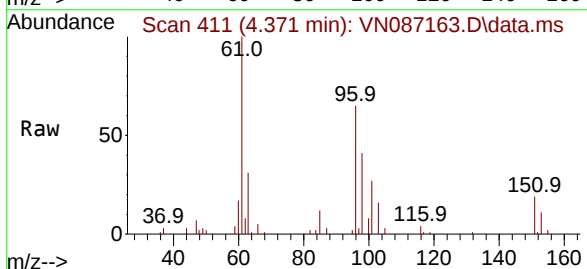
Manual Integrations
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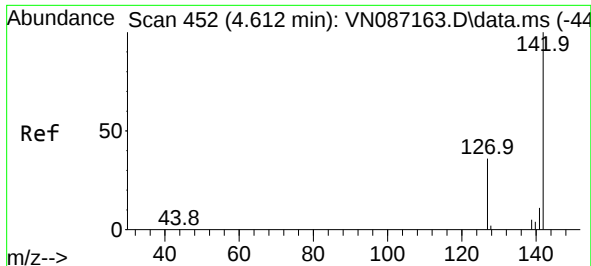
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#10
 1,1-Dichloroethene
 Concen: 18.952 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.035 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

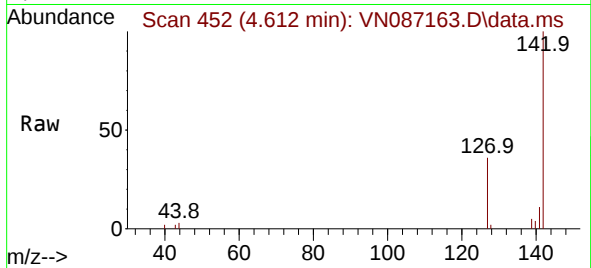
Tgt Ion: 96 Resp: 39141
 Ion Ratio Lower Upper
 96 100
 61 152.5 121.7 182.5
 98 62.9 51.9 77.9





#11
Methyl Iodide
Concen: 12.391 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.024 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

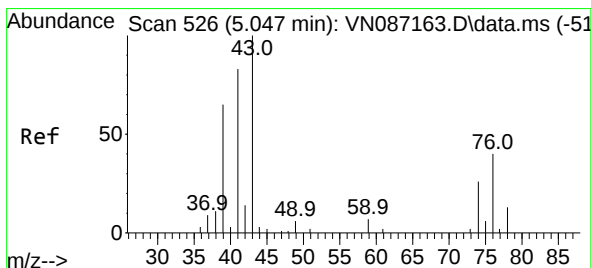
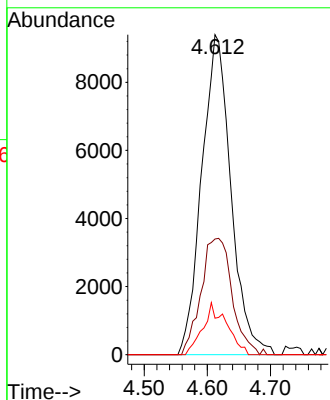
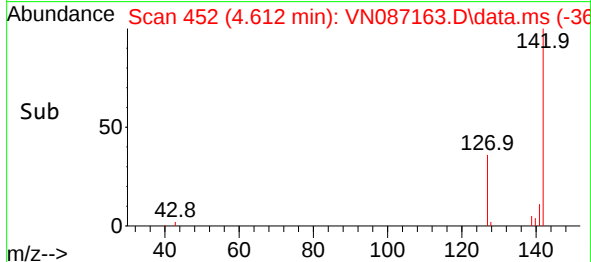
Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC020



Tgt Ion:142 Resp: 30168
Ion Ratio Lower Upper
142 100
127 36.1 19.5 58.5
141 11.4 7.1 21.4

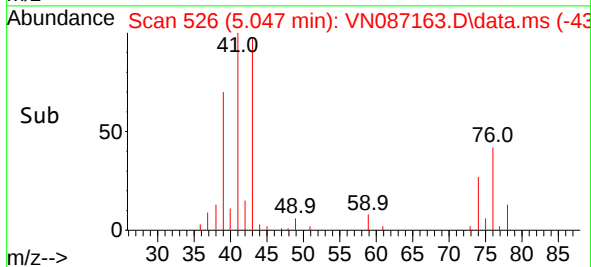
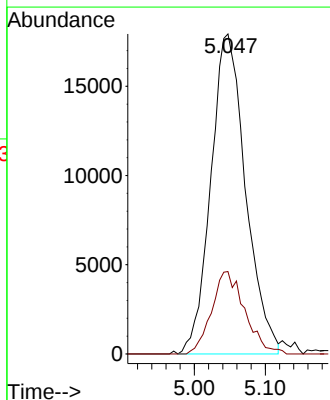
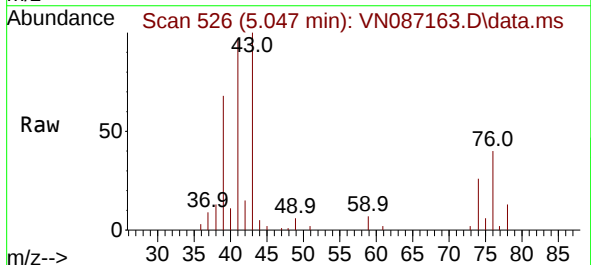
Manual Integrations
APPROVED

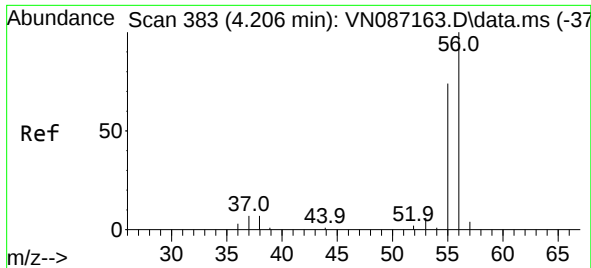
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 26.632 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.024 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

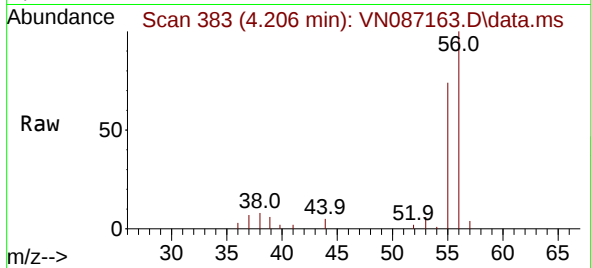
Tgt Ion: 43 Resp: 61084
Ion Ratio Lower Upper
43 100
74 25.4 22.7 34.1





#13
Acrolein
Concen: 176.912 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.023 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

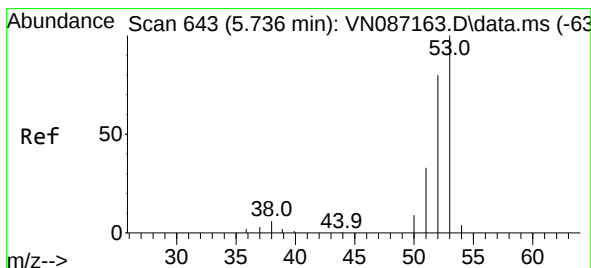
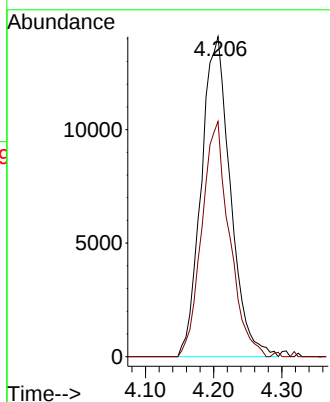
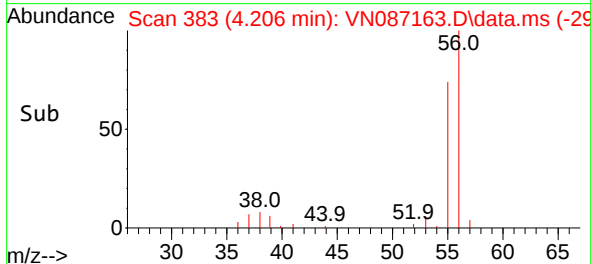
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



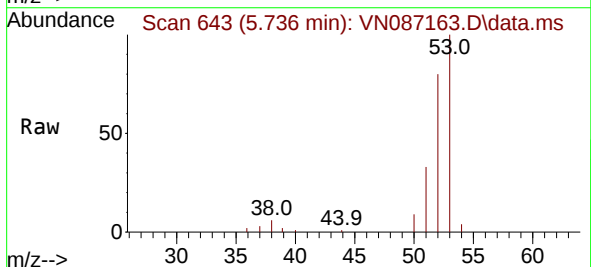
Tgt Ion: 56 Resp: 41919
Ion Ratio Lower Upper
56 100
55 69.6 55.9 83.9

Manual Integrations
APPROVED

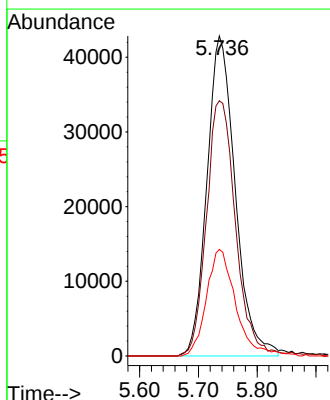
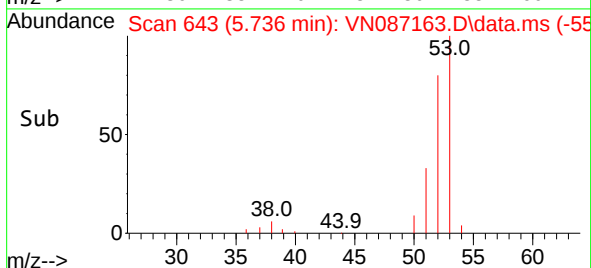
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

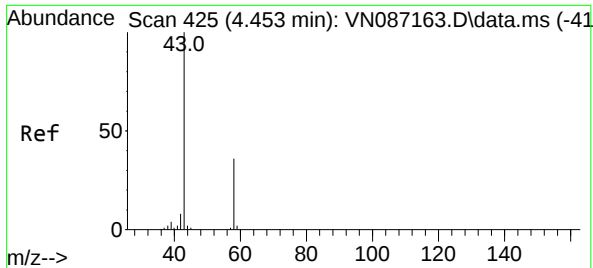


#14
Acrylonitrile
Concen: 134.221 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 53 Resp: 143262
Ion Ratio Lower Upper
53 100
52 81.0 40.0 119.9
51 33.8 17.5 52.6





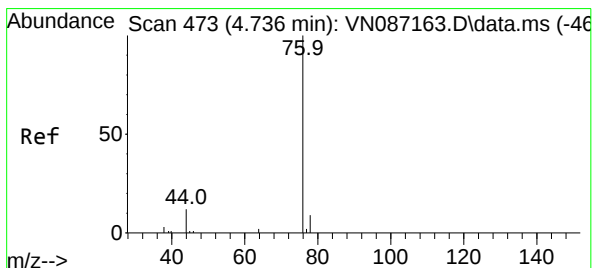
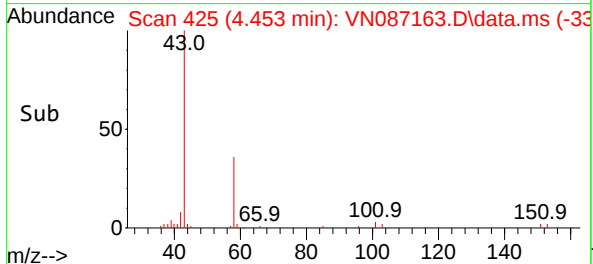
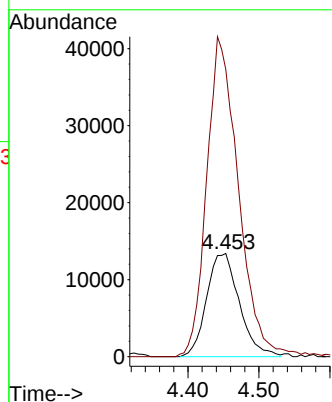
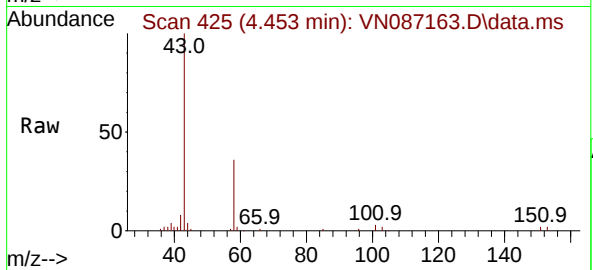
#15
Acetone
Concen: 158.384 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 58 Resp: 4280
Ion Ratio Lower Upper
58 100
43 280.4 207.7 311.5

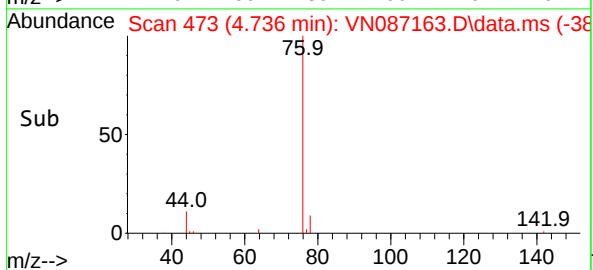
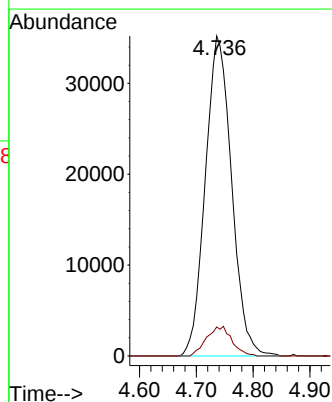
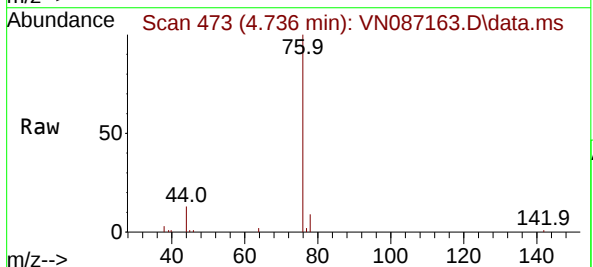
Manual Integrations
APPROVED

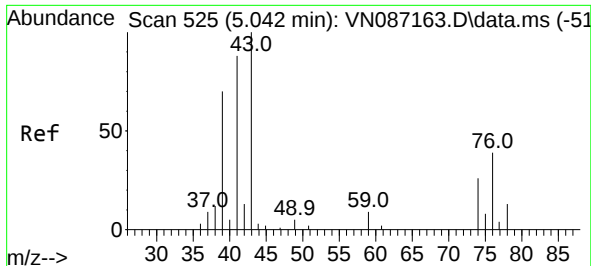
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#16
Carbon Disulfide
Concen: 18.771 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.024 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

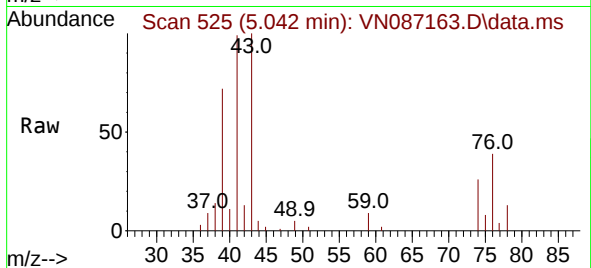
Tgt Ion: 76 Resp: 113169
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#17
 Allyl chloride
 Concen: 20.995 ug/l
 RT: 5.042 min Scan# 51
 Delta R.T. 0.018 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

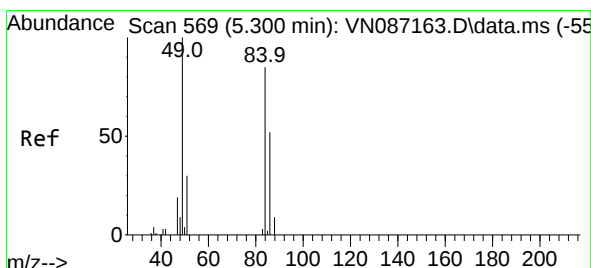
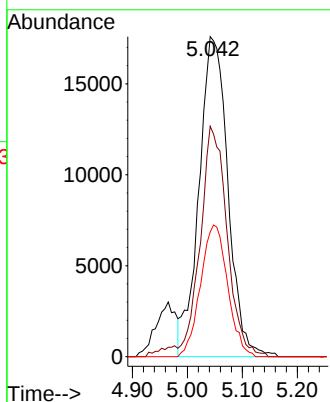
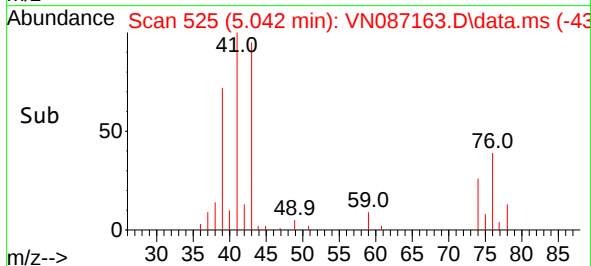
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 41 Resp: 64418
 Ion Ratio Lower Upper
 41 100
 39 72.0 31.6 94.8
 76 39.0 20.1 60.2

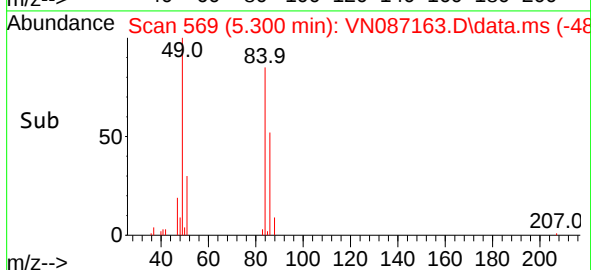
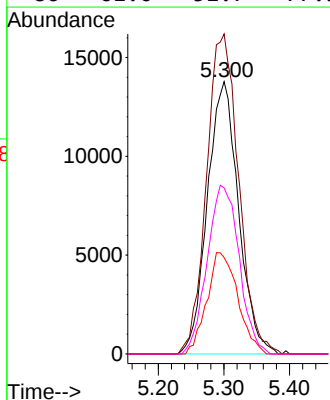
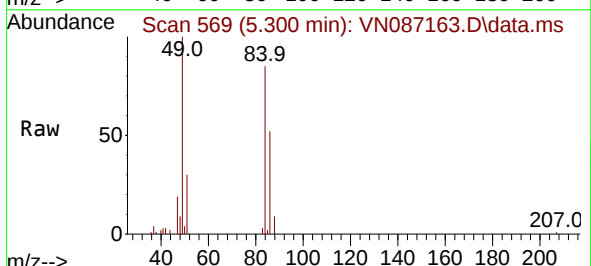
Manual Integrations
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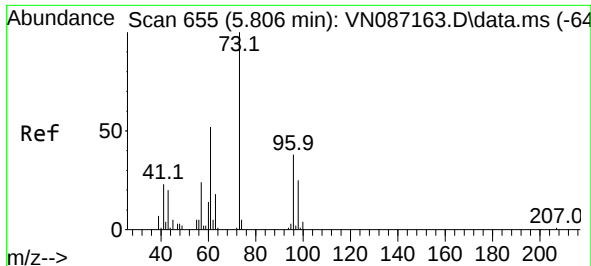
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#18
 Methylene Chloride
 Concen: 18.954 ug/l
 RT: 5.300 min Scan# 569
 Delta R.T. 0.024 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 84 Resp: 45462
 Ion Ratio Lower Upper
 84 100
 49 117.5 89.9 134.9
 51 35.4 29.6 44.4
 86 61.0 51.7 77.5





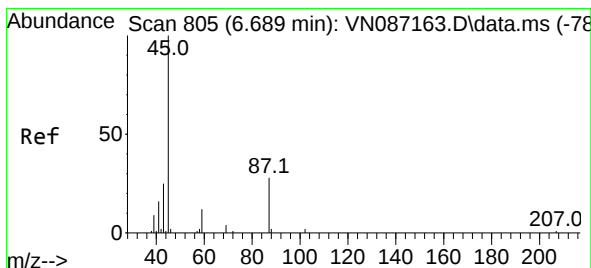
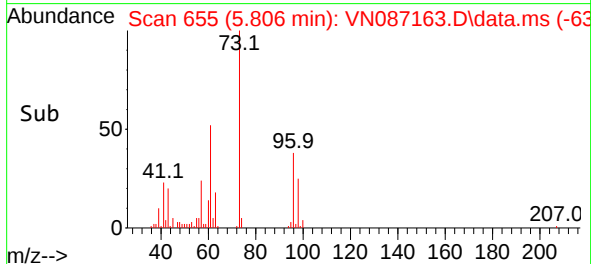
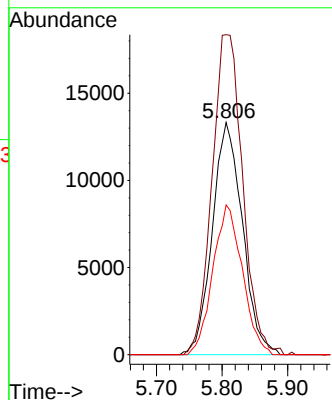
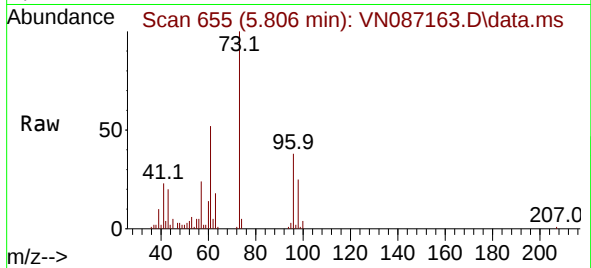
#19
trans-1,2-Dichloroethene
Concen: 19.673 ug/l
RT: 5.806 min Scan# 611
Delta R.T. 0.023 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 4252
Ion Ratio Lower Upper
96 100
61 137.9 98.9 148.3
98 64.5 49.0 73.4

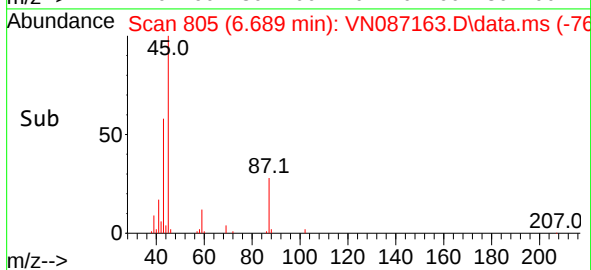
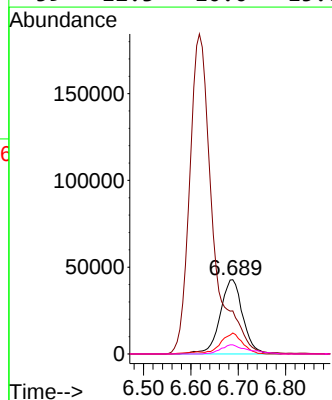
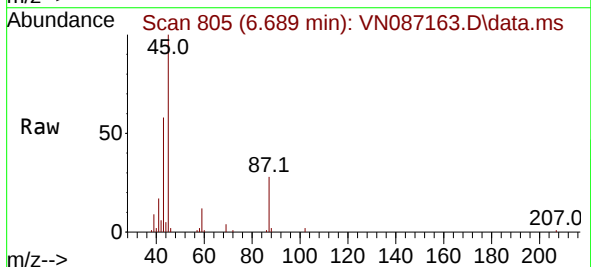
Manual Integrations
APPROVED

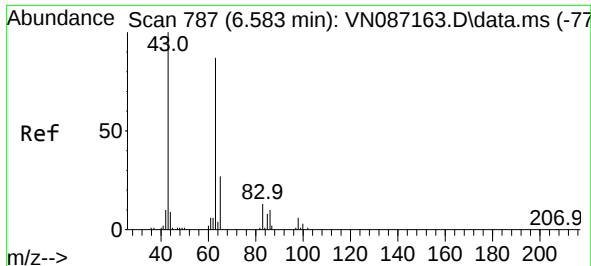
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#20
Diisopropyl ether
Concen: 21.022 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 45 Resp: 142052
Ion Ratio Lower Upper
45 100
43 56.6 40.3 60.5
87 28.2 24.1 36.1
59 12.3 10.0 15.0





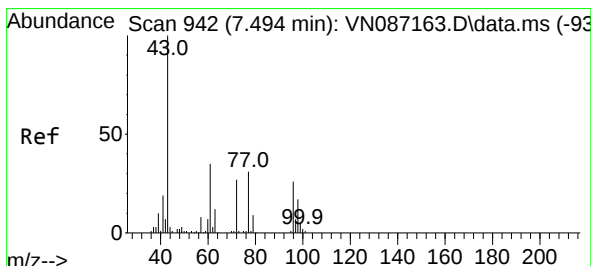
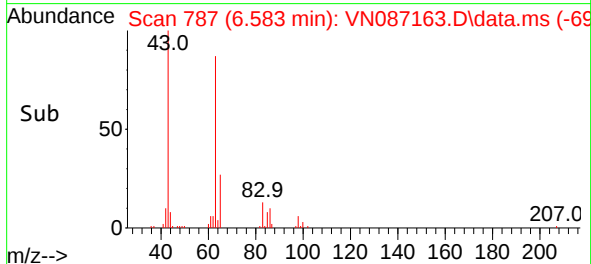
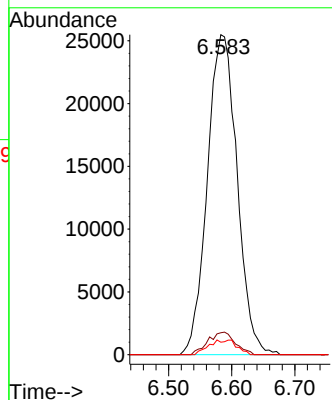
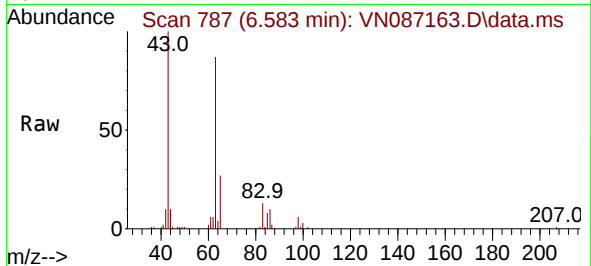
#21
1,1-Dichloroethane
Concen: 20.498 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 83594
Ion Ratio Lower Upper
63 100
98 6.9 3.8 11.2
100 3.9 2.3 6.8

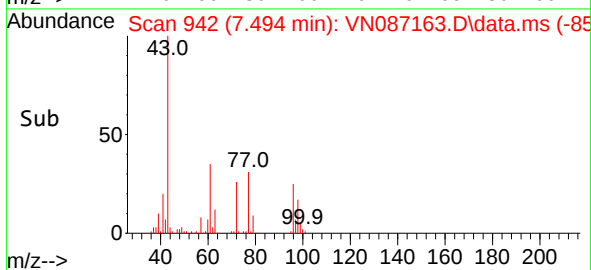
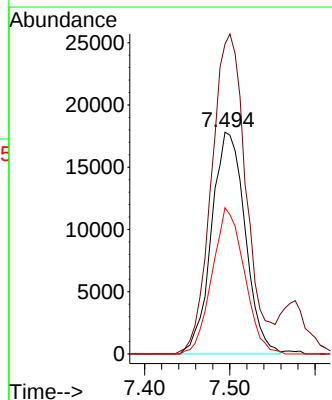
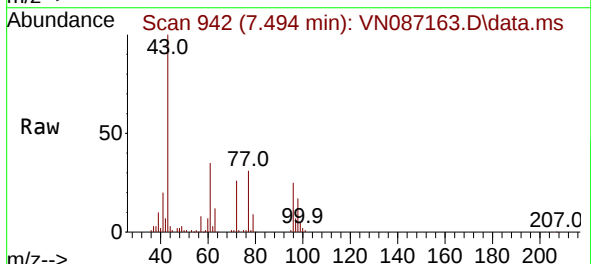
Manual Integrations
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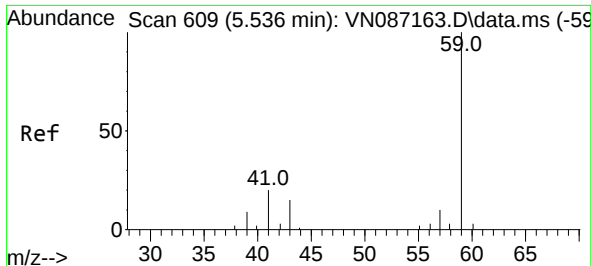
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 18.668 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

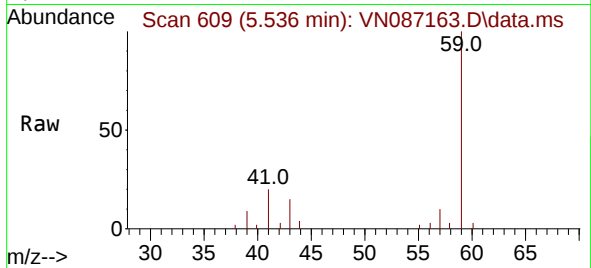
Tgt Ion: 96 Resp: 48862
Ion Ratio Lower Upper
96 100
61 149.0 110.7 166.1
98 63.2 51.8 77.8





#23
tert-Butyl Alcohol
Concen: 154.426 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

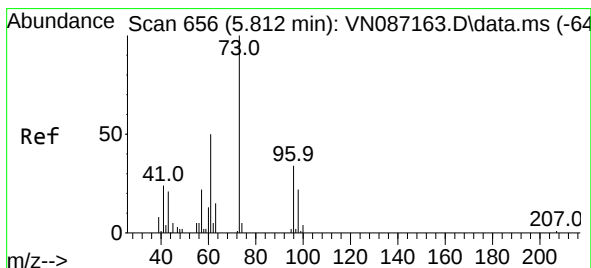
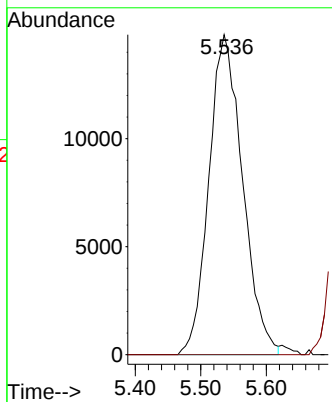
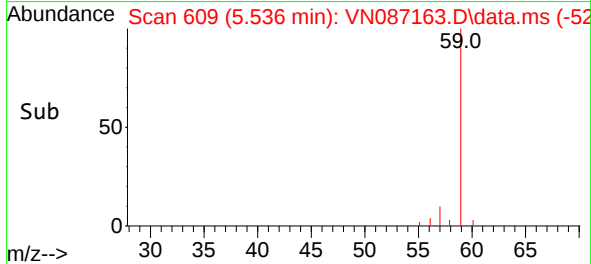
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



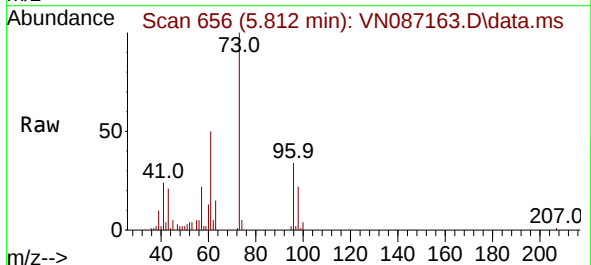
Tgt Ion: 59 Resp: 5293
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

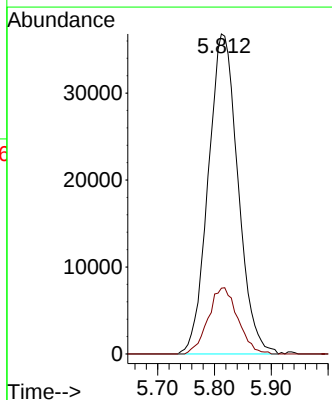
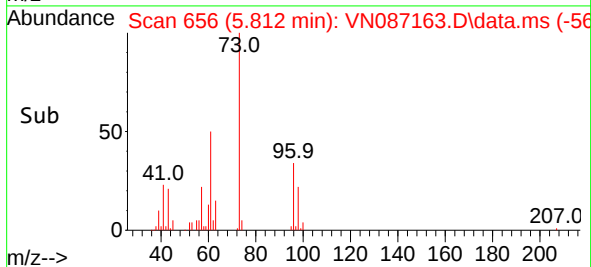
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

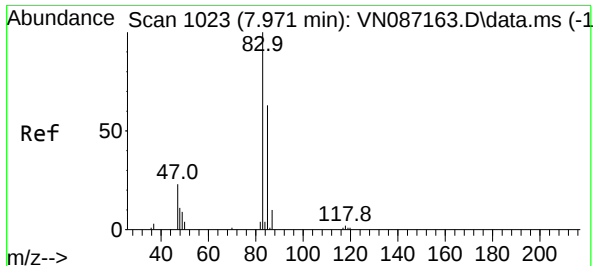


#24
Methyl tert-Butyl Ether
Concen: 19.667 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 73 Resp: 133867
Ion Ratio Lower Upper
73 100
43 20.5 14.6 22.0





#25

Chloroform

Concen: 19.456 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 77659

Ion Ratio Lower Upper

83 100

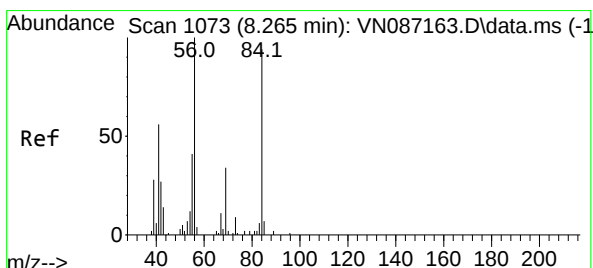
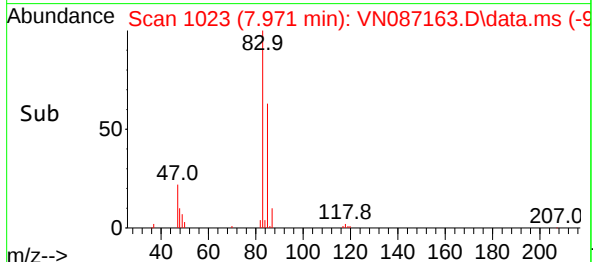
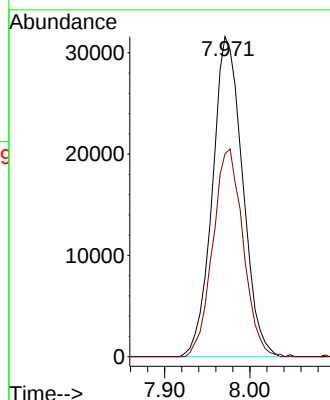
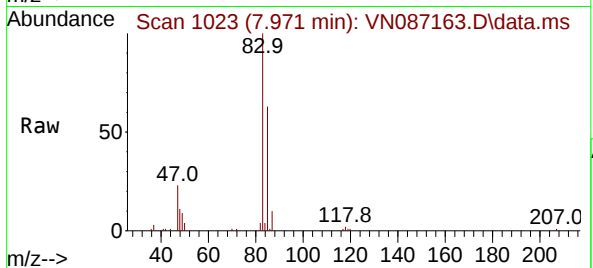
85 63.4 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#26

Cyclohexane

Concen: 18.665 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.012 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

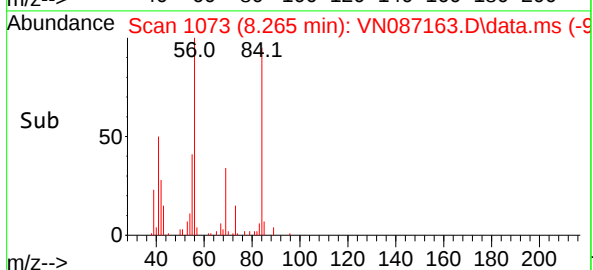
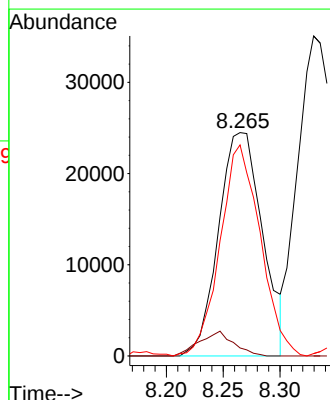
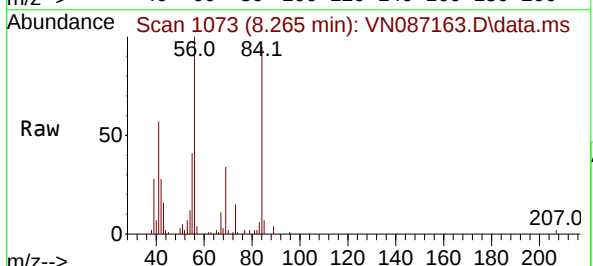
Tgt Ion: 56 Resp: 65879

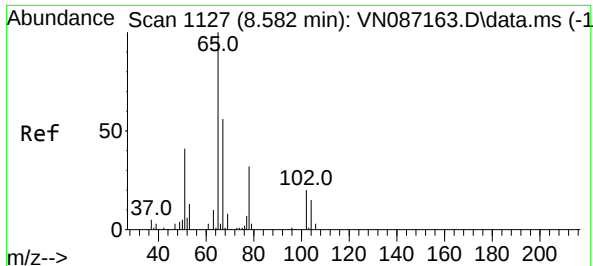
Ion Ratio Lower Upper

56 100

89 8.6 0.0 0.0#

84 86.4 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 33.600 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 80849

Ion Ratio Lower Upper

65 100

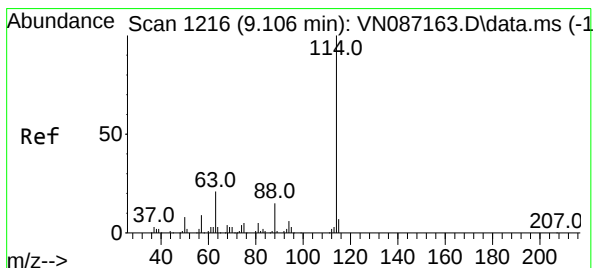
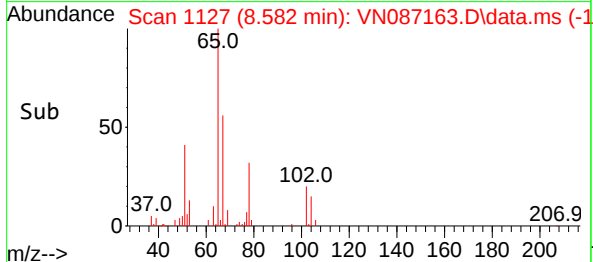
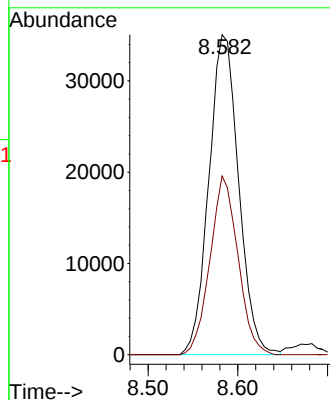
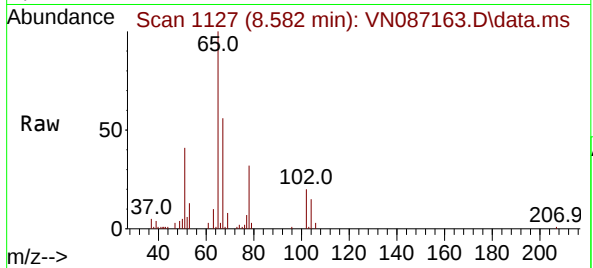
67 52.4 44.6 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

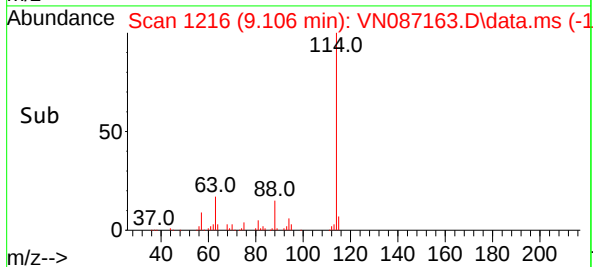
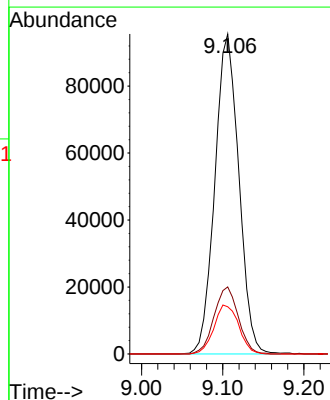
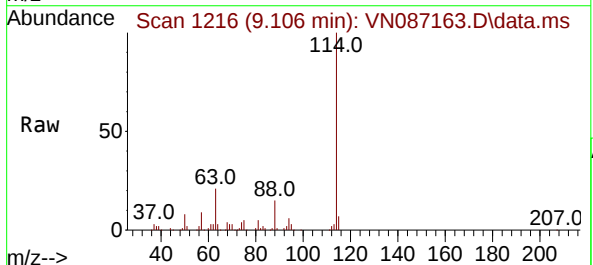
Tgt Ion:114 Resp: 196036

Ion Ratio Lower Upper

114 100

63 21.2 15.8 23.8

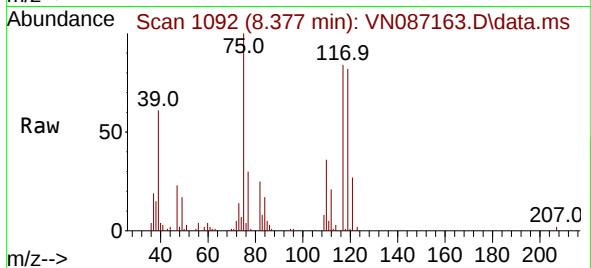
88 15.8 12.9 19.3





#29
1,1-Dichloropropene
Concen: 18.159 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

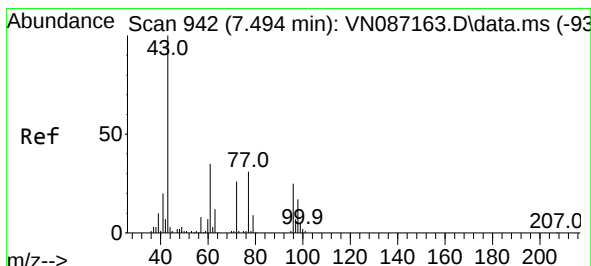
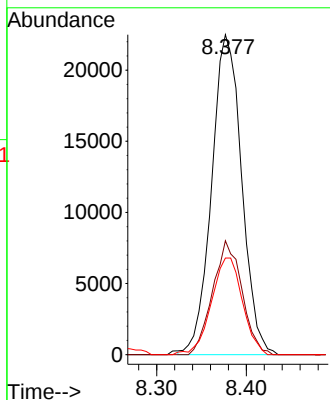
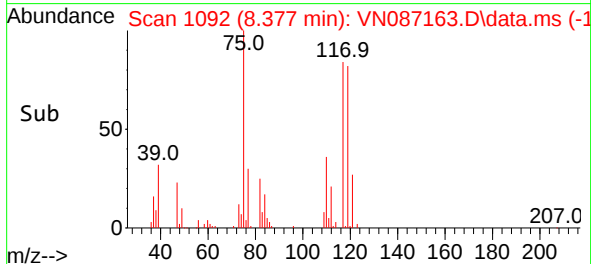
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



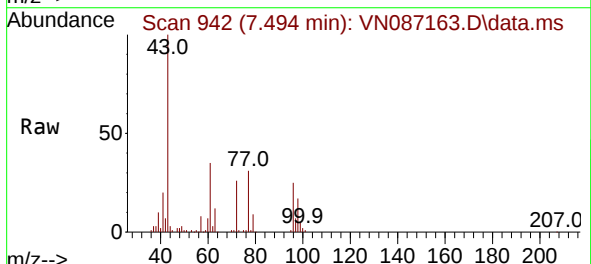
Tgt Ion: 75 Resp: 5234
Ion Ratio Lower Upper
75 100
110 34.6 0.0 71.0
77 30.9 0.0 62.4

Manual Integrations
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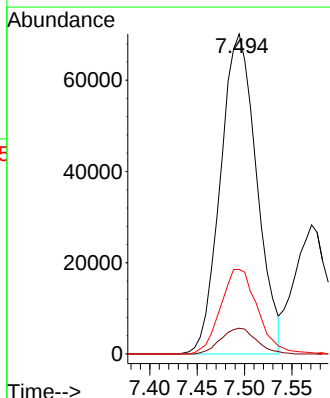
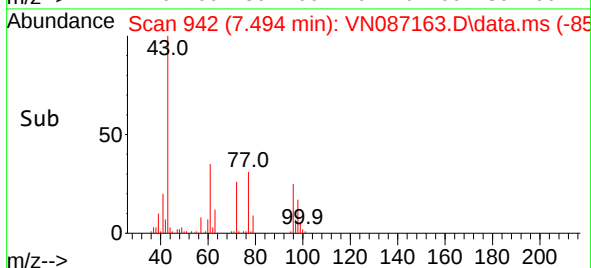
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#30
2-Butanone
Concen: 147.905 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 43 Resp: 186786
Ion Ratio Lower Upper
43 100
57 7.9 6.8 10.2
72 27.2 23.4 35.0





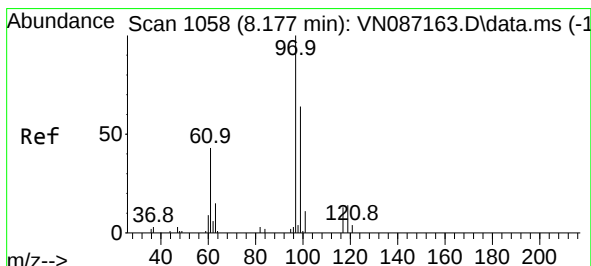
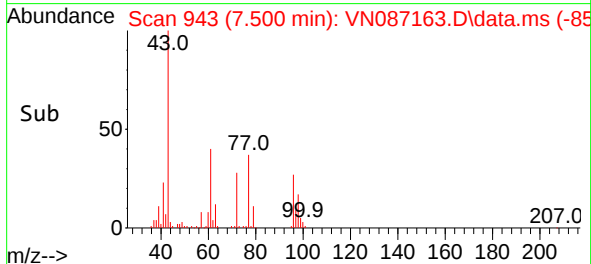
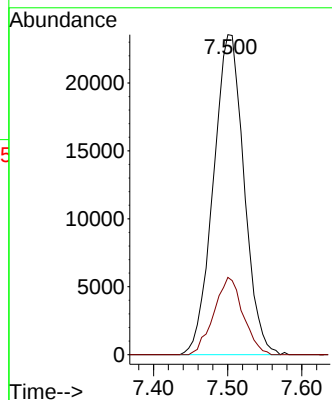
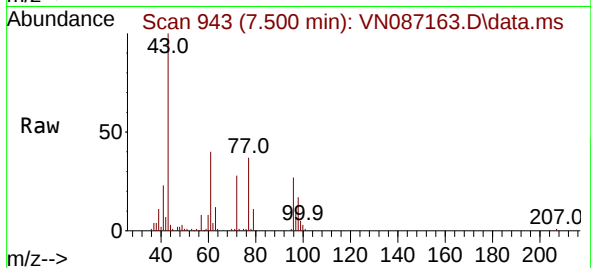
#31
2,2-Dichloropropane
Concen: 19.889 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 6766
Ion Ratio Lower Upper
77 100
97 23.0 18.6 27.8

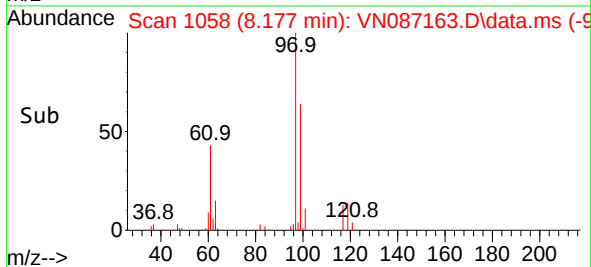
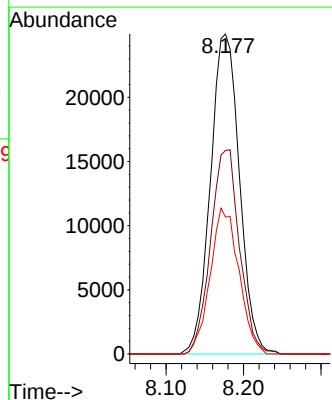
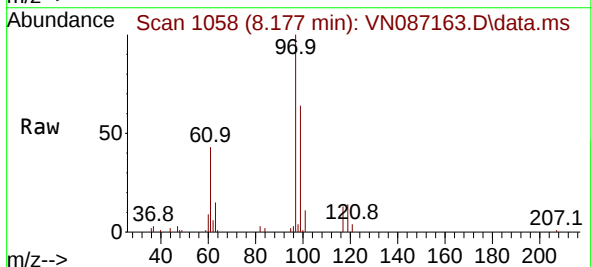
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#32
1,1,1-Trichloroethane
Concen: 19.456 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

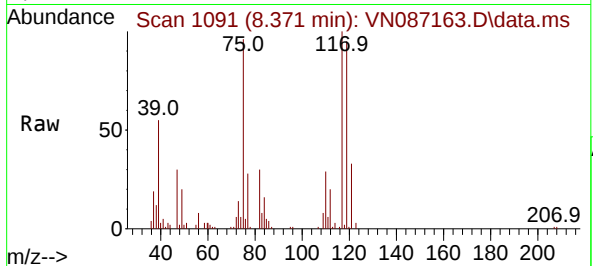
Tgt Ion: 97 Resp: 65006
Ion Ratio Lower Upper
97 100
99 63.5 51.7 77.5
61 45.1 35.4 53.2





#33
Carbon Tetrachloride
Concen: 18.192 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

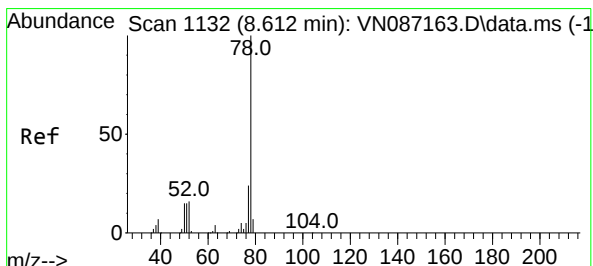
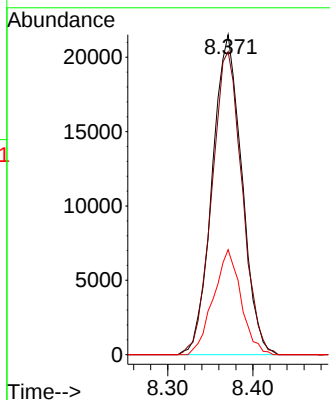
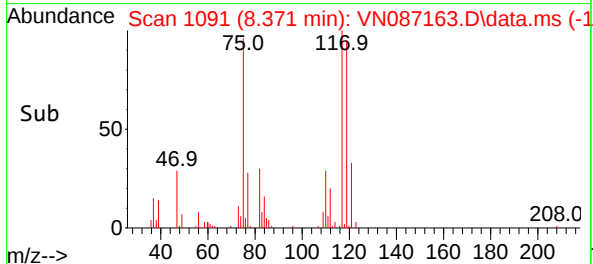
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 5195
Ion Ratio Lower Upper
117 100
119 94.7 79.2 118.8
121 32.8 25.6 38.4

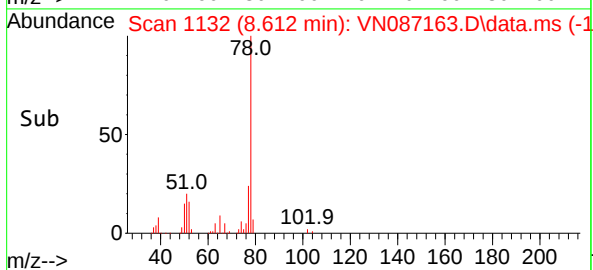
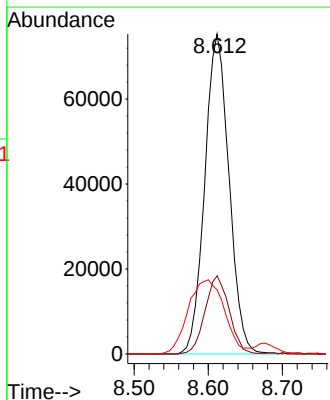
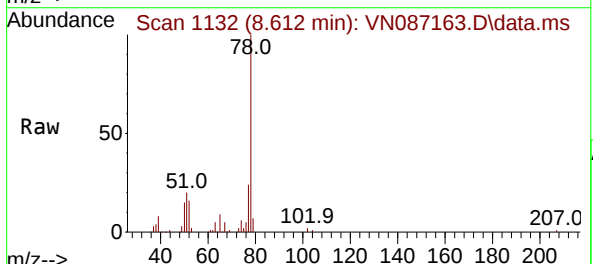
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 18.239 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

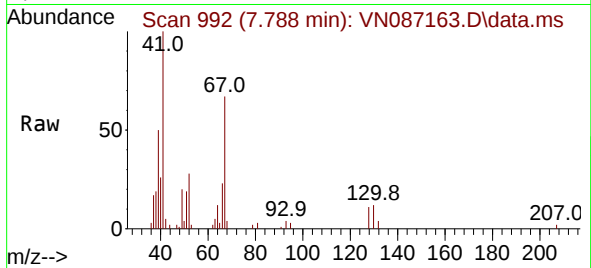
Tgt Ion: 78 Resp: 171052
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2
51 18.5 11.9 17.9#





#35
Methacrylonitrile
Concen: 25.622 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

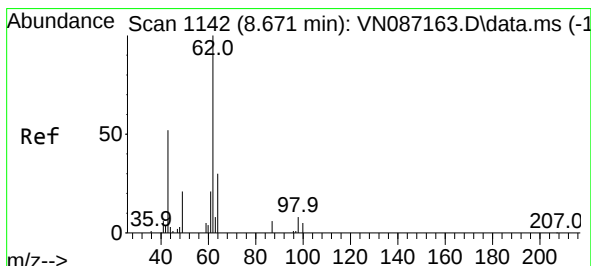
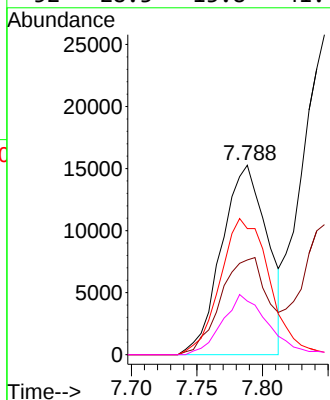
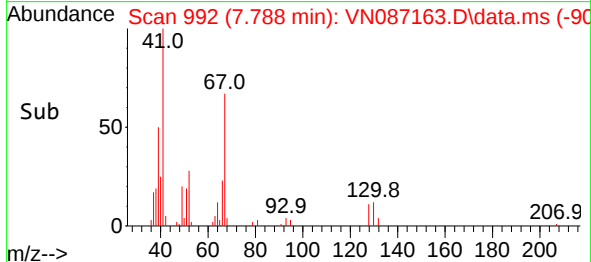
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 37169
Ion Ratio Lower Upper
41 100
39 48.8 23.2 69.6
67 66.5 36.5 109.7
52 28.3 13.8 41.4

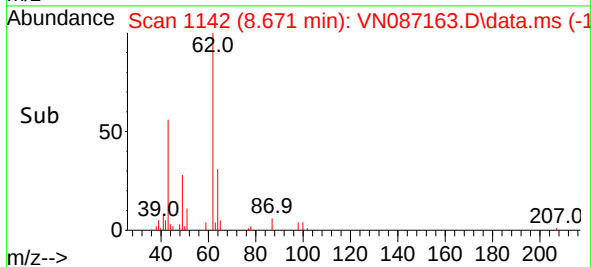
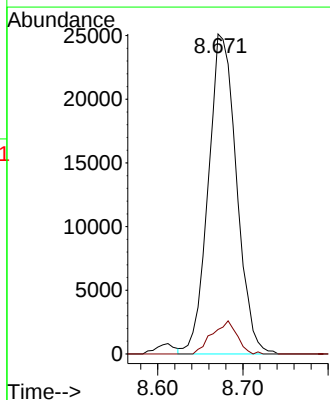
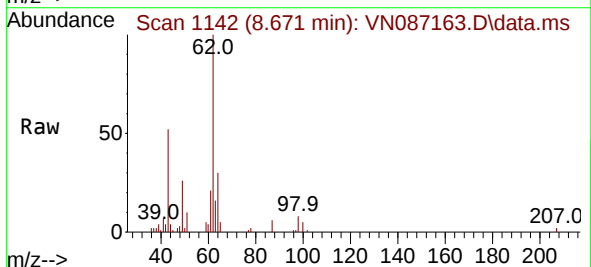
Manual Integrations
APPROVED

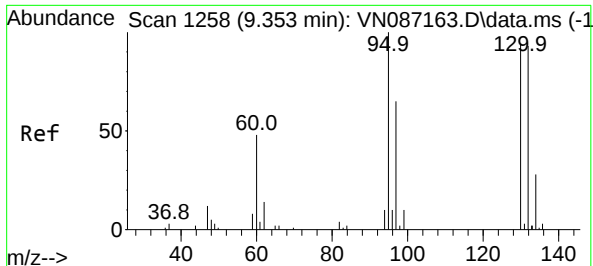
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#36
1,2-Dichloroethane
Concen: 21.023 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

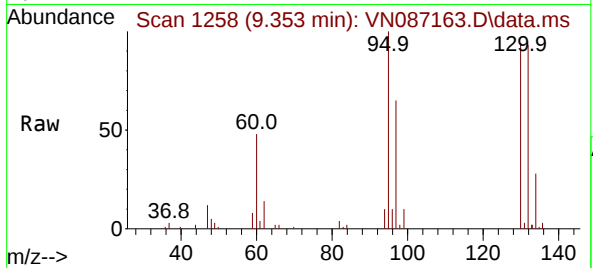
Tgt Ion: 62 Resp: 57773
Ion Ratio Lower Upper
62 100
98 9.0 8.5 12.7





#37
Trichloroethene
Concen: 14.792 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

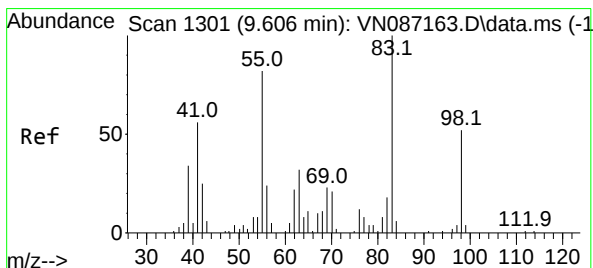
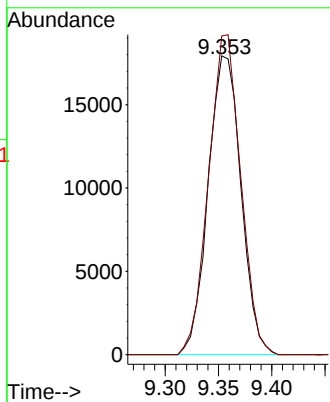
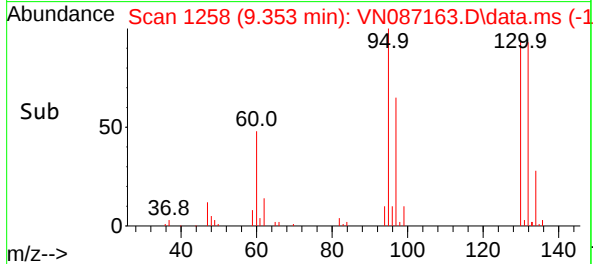
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



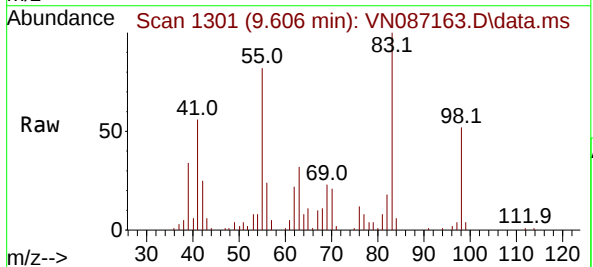
Tgt Ion:130 Resp: 38479
Ion Ratio Lower Upper
130 100
95 106.6 80.3 120.5

Manual Integrations
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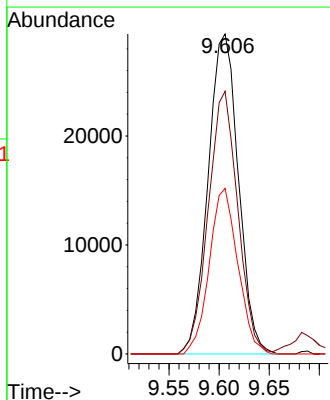
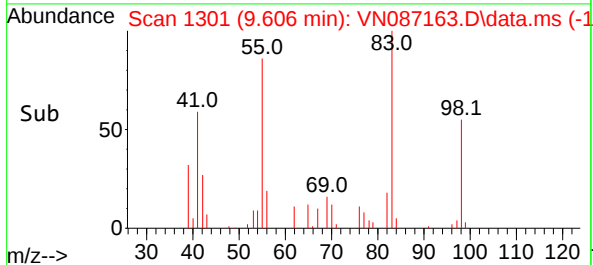
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

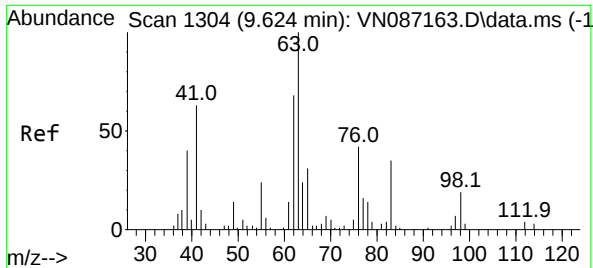


#38
Methylcyclohexane
Concen: 19.288 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 83 Resp: 61684
Ion Ratio Lower Upper
83 100
55 80.1 37.4 112.1
98 48.8 24.6 73.6





#39

1,2-Dichloropropane

Concen: 20.143 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 45479

Ion Ratio Lower Upper

63 100

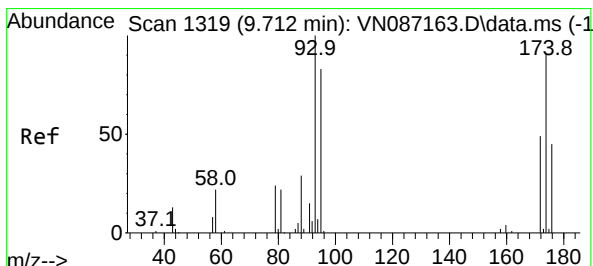
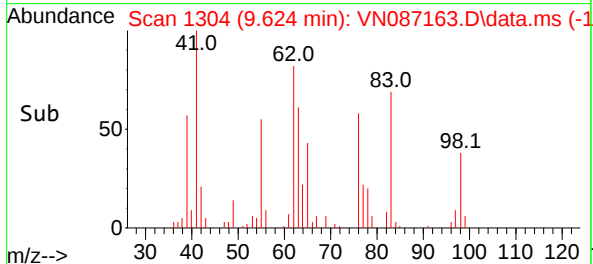
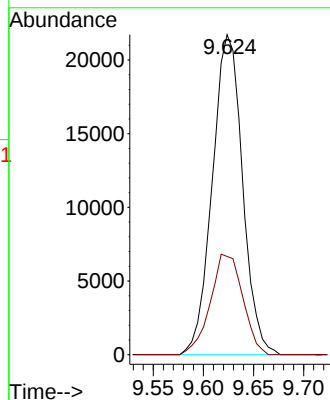
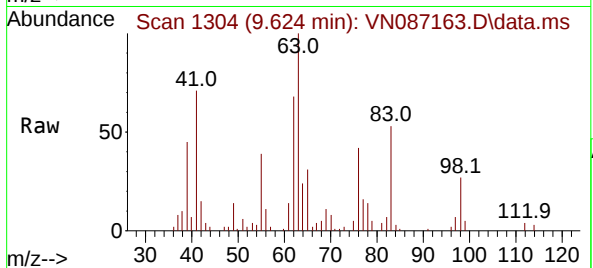
65 30.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#40

Dibromomethane

Concen: 20.774 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

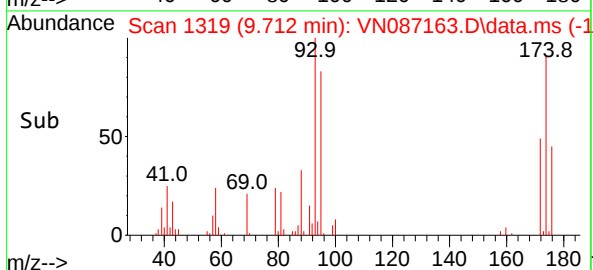
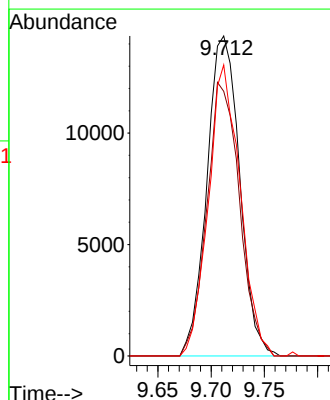
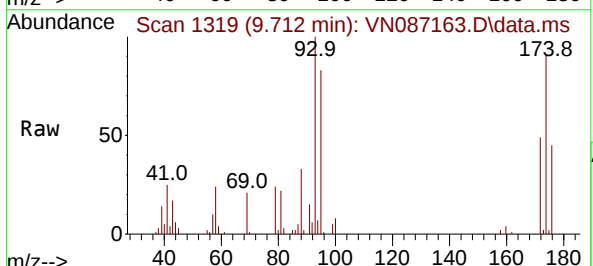
Tgt Ion: 93 Resp: 30677

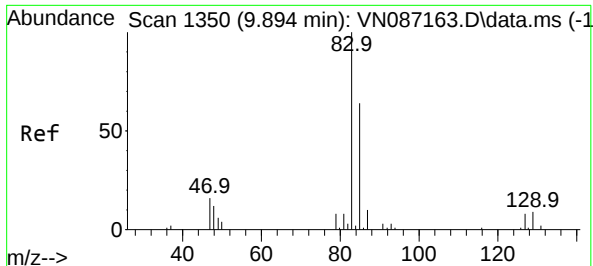
Ion Ratio Lower Upper

93 100

95 85.4 0.0 166.4

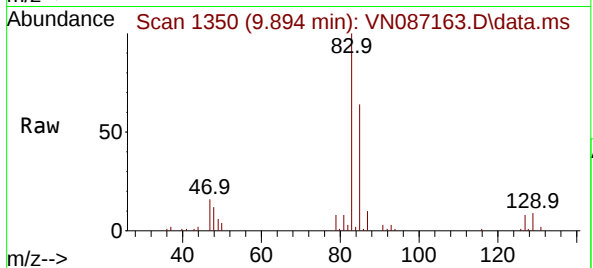
174 88.3 0.0 181.8





#41
Bromodichloromethane
Concen: 20.384 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

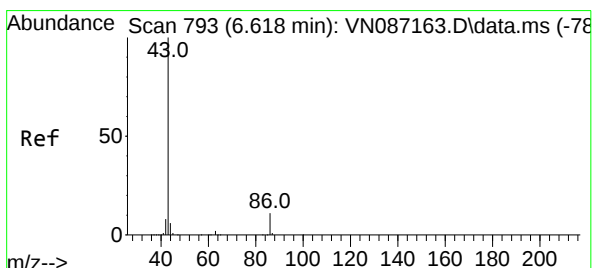
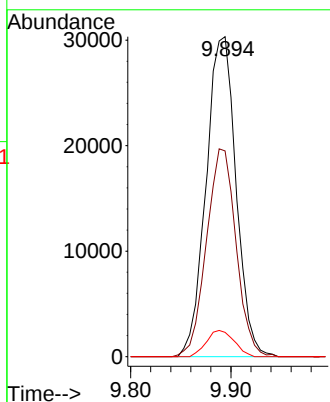
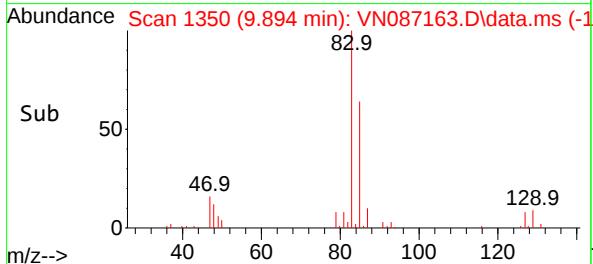
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 63009
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.8
127 7.6 6.8 10.2

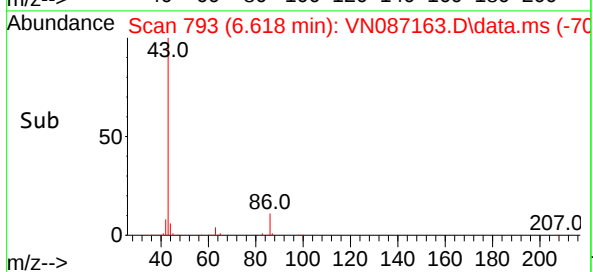
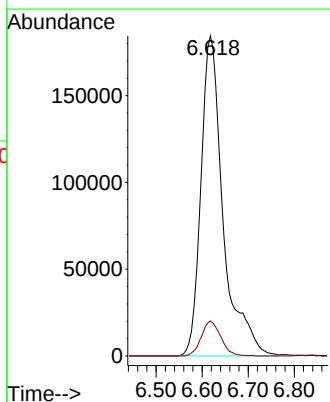
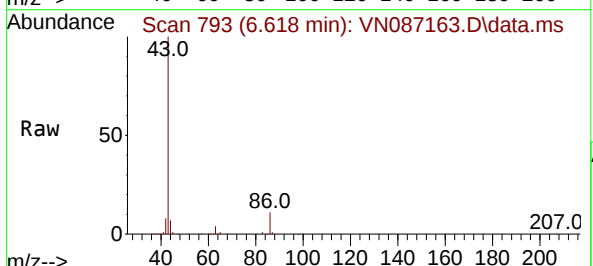
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 168.226 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

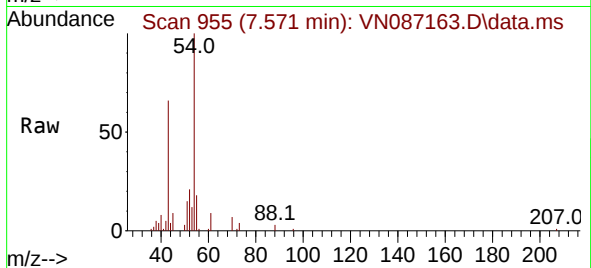
Tgt Ion: 43 Resp: 619269
Ion Ratio Lower Upper
43 100
86 9.6 9.5 14.3





#43
Ethyl Acetate
Concen: 28.350 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

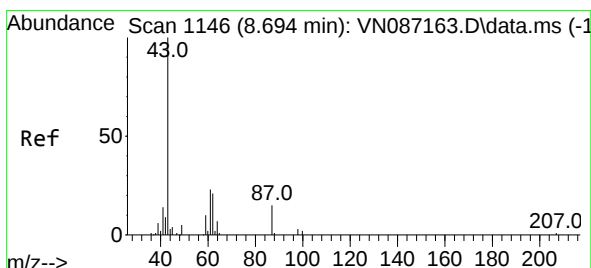
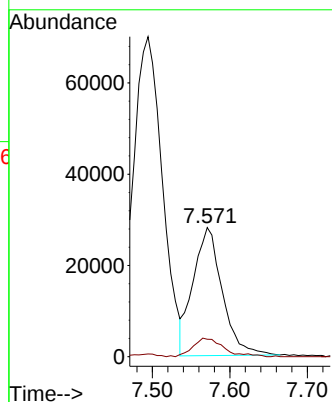
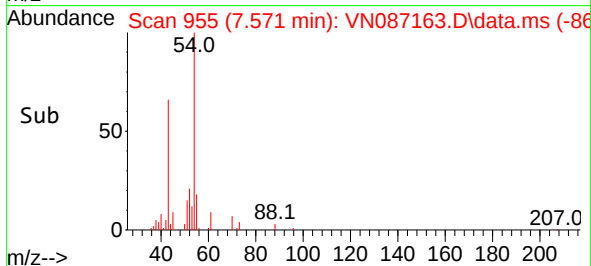
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 7326
Ion Ratio Lower Upper
43 100
45 14.4 11.1 16.7

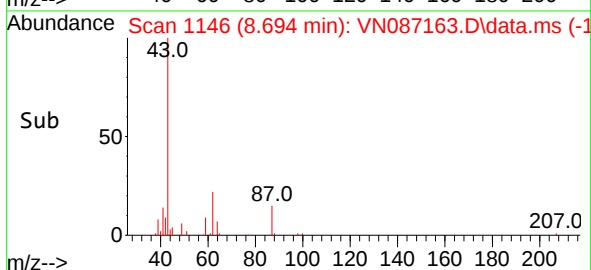
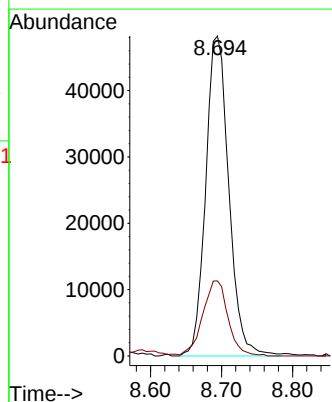
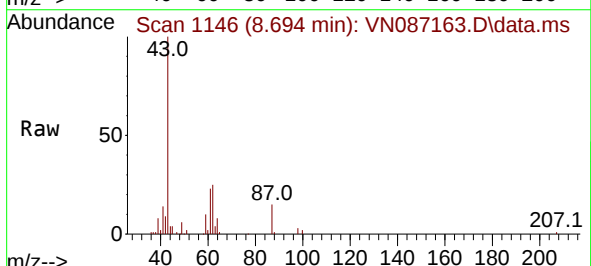
Manual Integrations
APPROVED

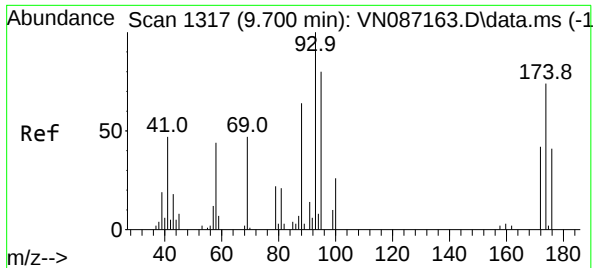
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#44
Isopropyl Acetate
Concen: 24.603 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

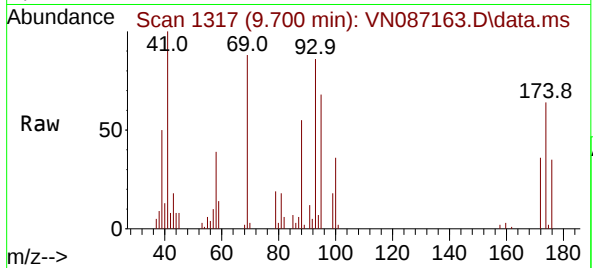
Tgt Ion: 43 Resp: 109066
Ion Ratio Lower Upper
43 100
61 25.6 23.8 35.6





#45
1,4-Dioxane
Concen: 378.114 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

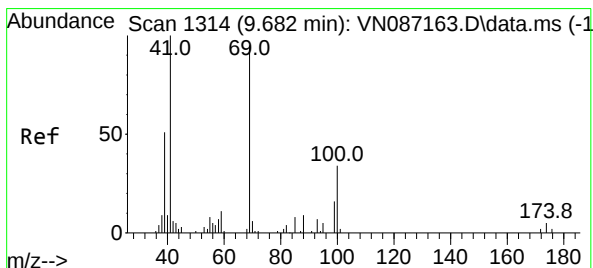
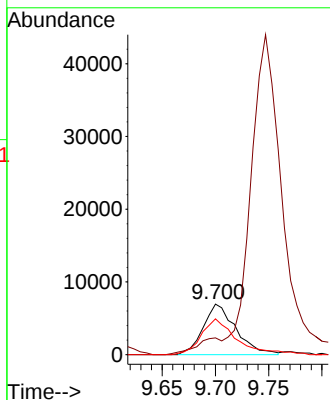
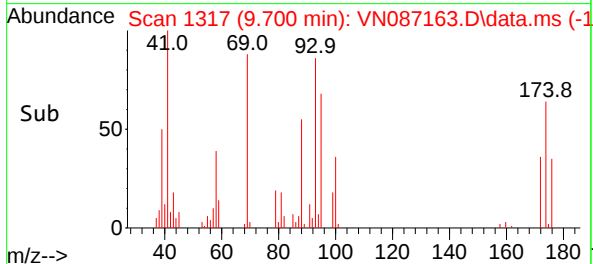
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 88 Resp: 14898
Ion Ratio Lower Upper
88 100
43 26.6 23.0 34.6
58 77.1 57.6 86.4

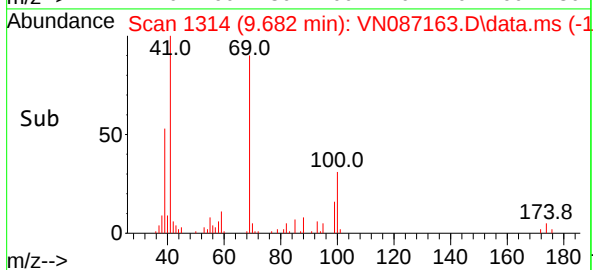
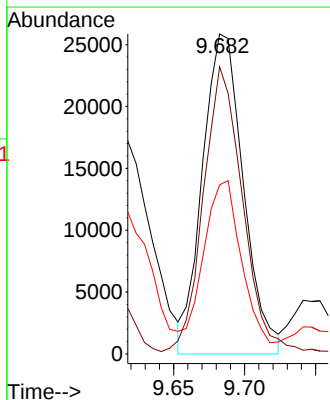
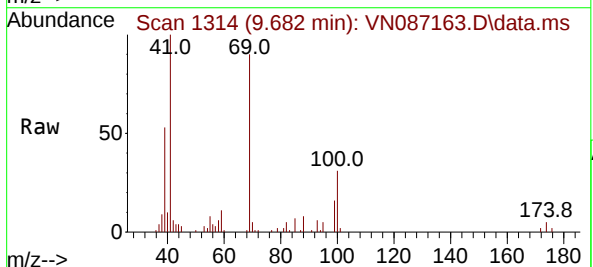
Manual Integrations
APPROVED

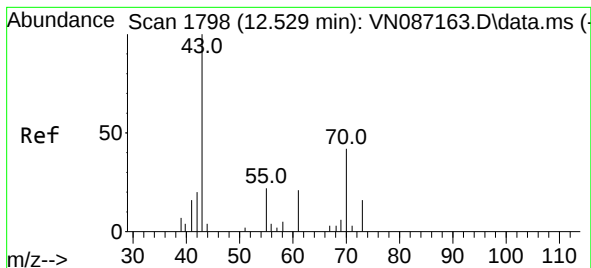
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#46
Methyl methacrylate
Concen: 25.335 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 41 Resp: 51785
Ion Ratio Lower Upper
41 100
69 91.3 48.0 144.2
39 52.3 23.8 71.2





#47

n-amy1 Acetate

Concen: 18.579 ug/l m

RT: 12.529 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 66120

Ion Ratio Lower Upper

43 100

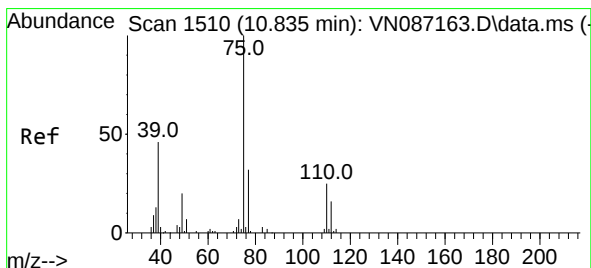
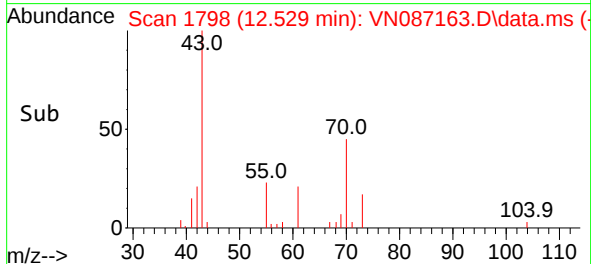
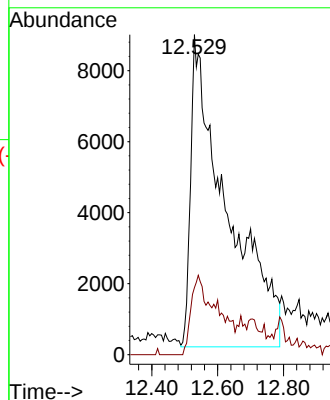
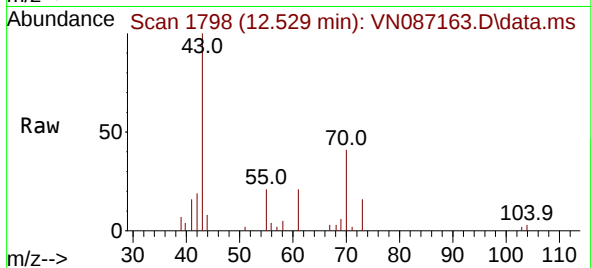
55 0.0 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#48

t-1,3-Dichloropropene

Concen: 20.216 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.006 min

Lab File: VN087163.D

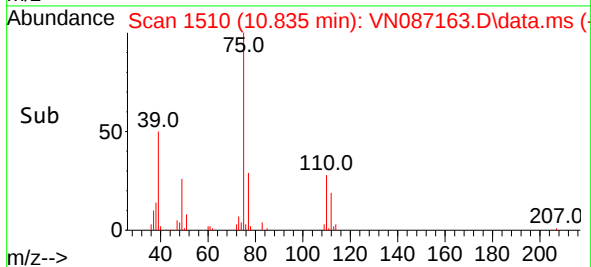
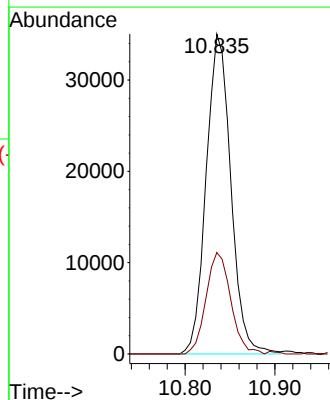
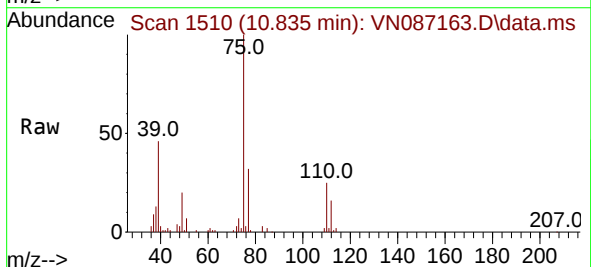
Acq: 25 Jun 2025 09:20

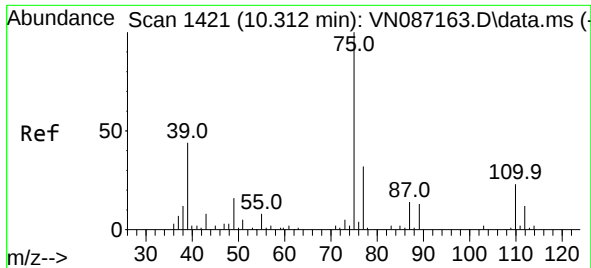
Tgt Ion: 75 Resp: 66870

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7





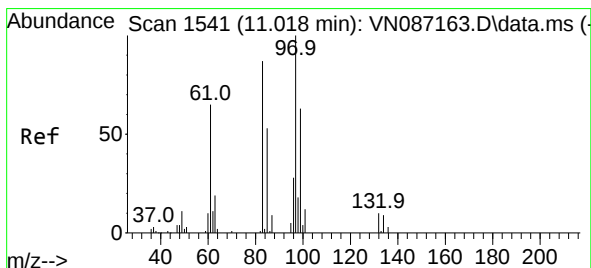
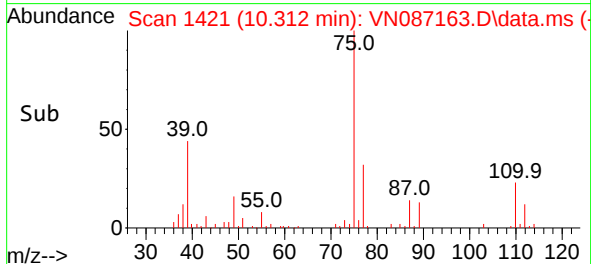
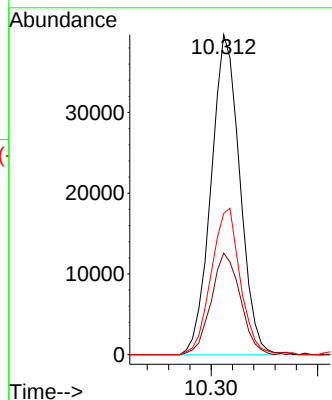
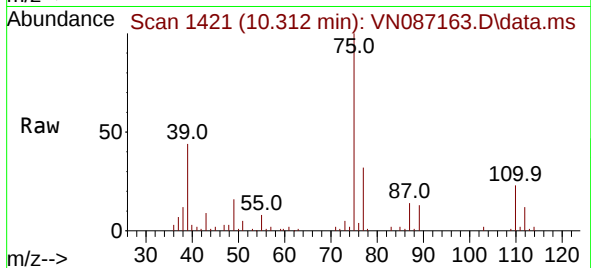
#49
 cis-1,3-Dichloropropene
 Concen: 20.403 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 75 Resp: 7423
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.9 40.3
 39 44.1 31.8 47.6

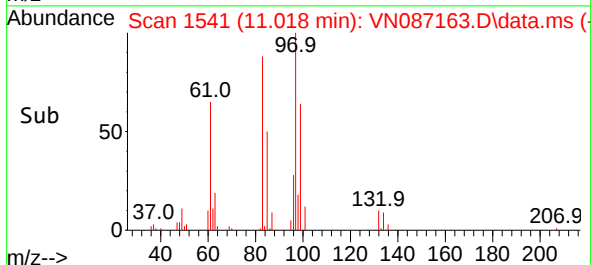
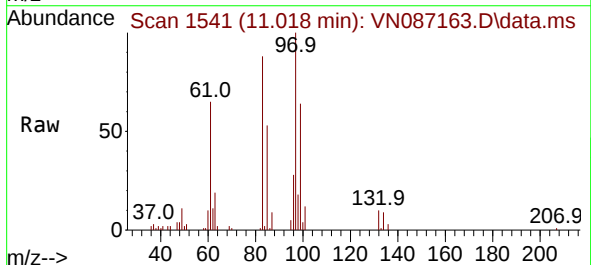
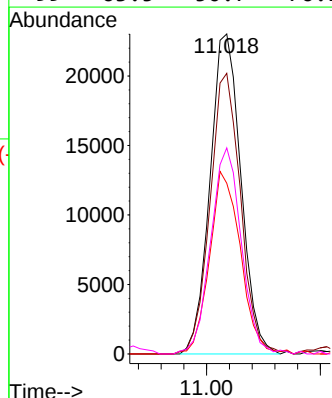
Manual Integrations
 APPROVED

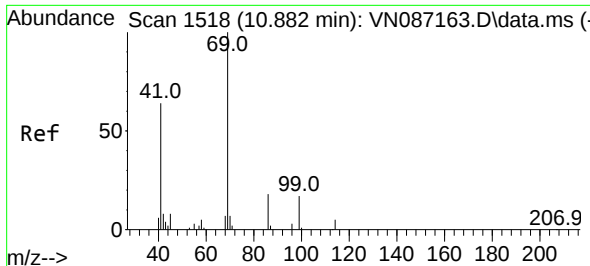
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.932 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.006 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 97 Resp: 43535
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.6 105.8
 85 52.5 46.8 70.2
 99 63.5 50.7 76.1





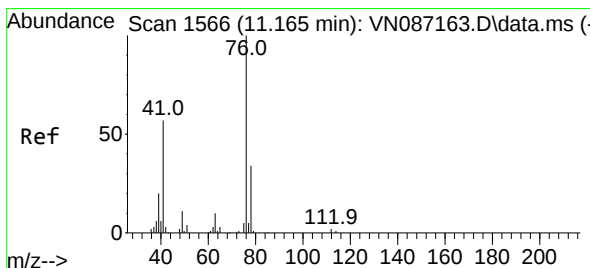
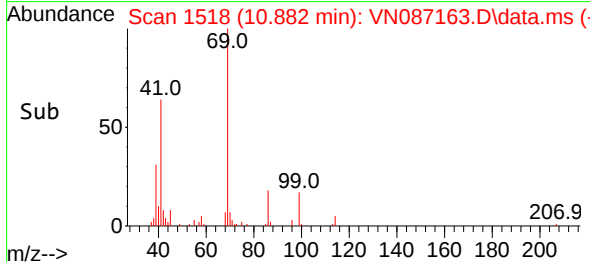
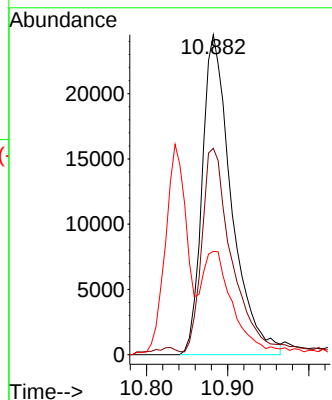
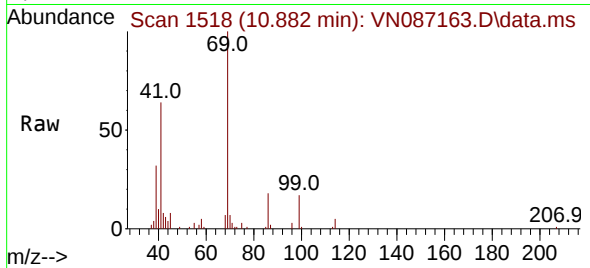
#51
Ethyl methacrylate
Concen: 18.237 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 61428
Ion Ratio Lower Upper
69 100
41 63.5 30.5 91.5
39 30.5 14.3 42.9

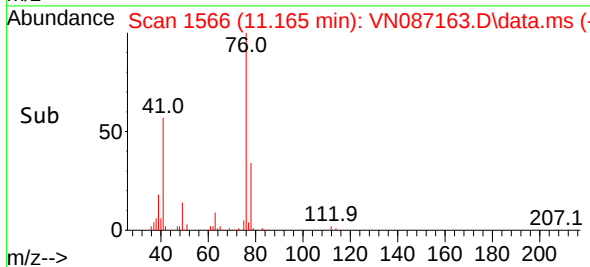
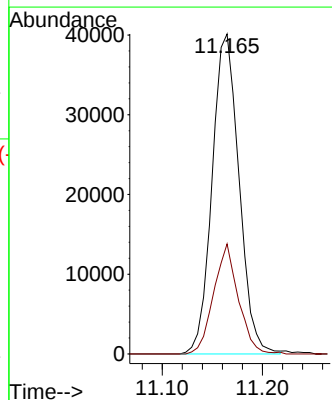
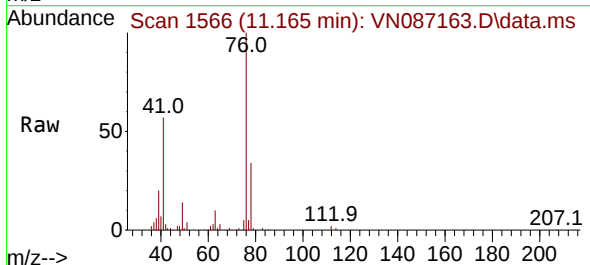
Manual Integrations
APPROVED

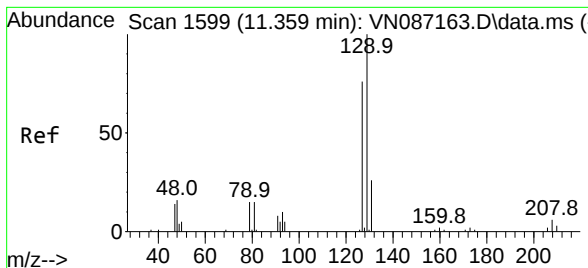
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 20.272 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 76 Resp: 74825
Ion Ratio Lower Upper
76 100
78 31.5 0.0 64.6





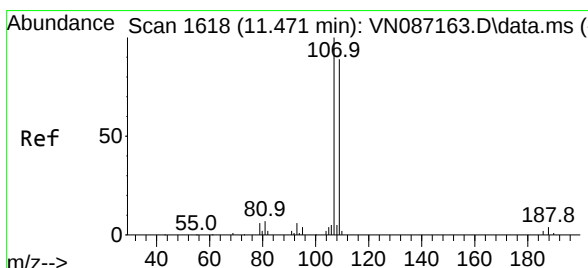
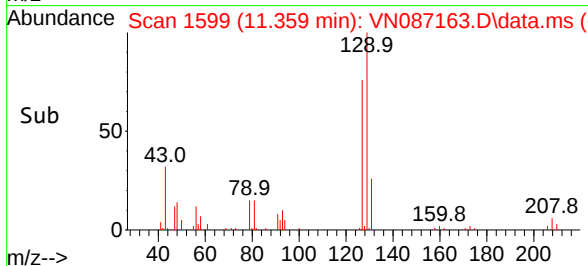
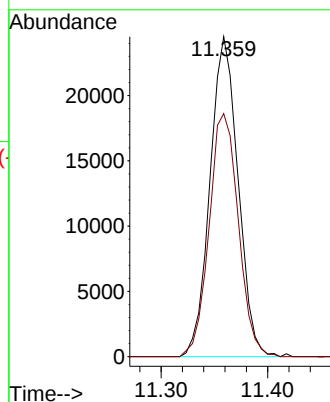
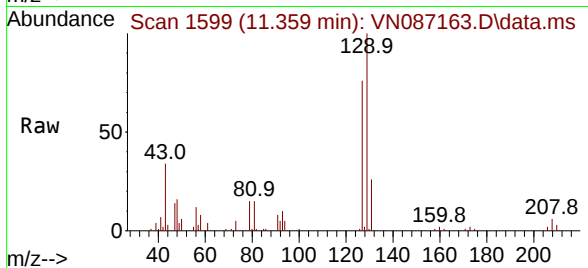
#53
Dibromochloromethane
Concen: 19.056 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 4478
Ion Ratio Lower Upper
129 100
127 79.2 39.1 117.3

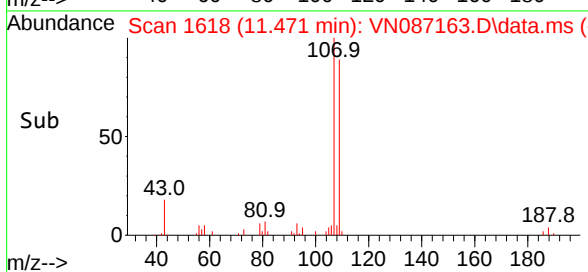
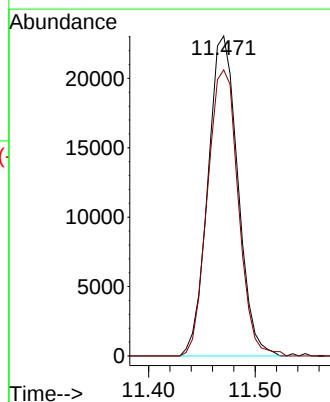
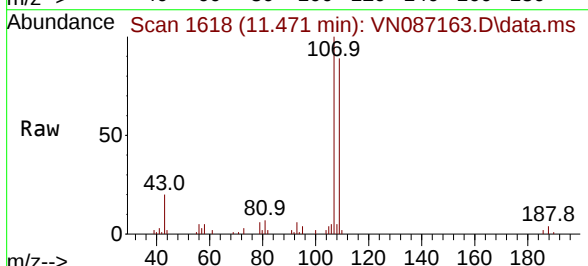
Manual Integrations
APPROVED

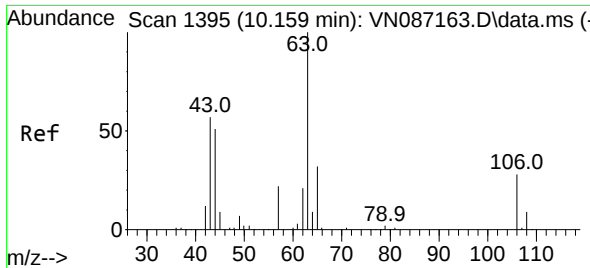
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#54
1,2-Dibromoethane
Concen: 21.145 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:107 Resp: 44953
Ion Ratio Lower Upper
107 100
109 91.9 75.0 112.6





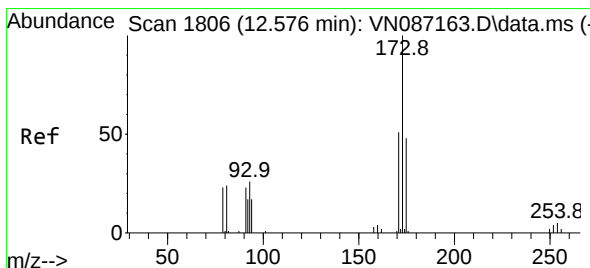
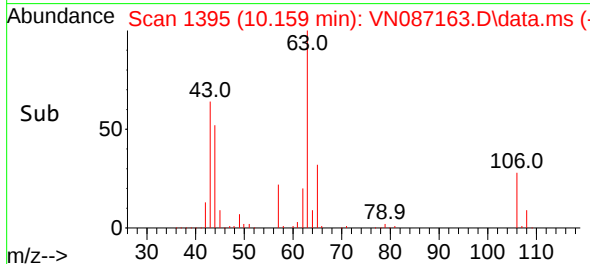
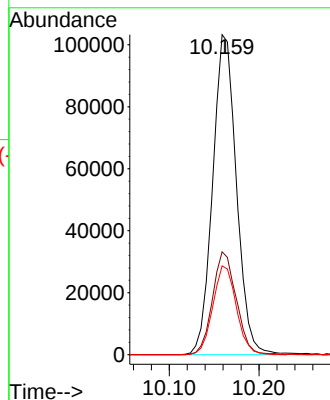
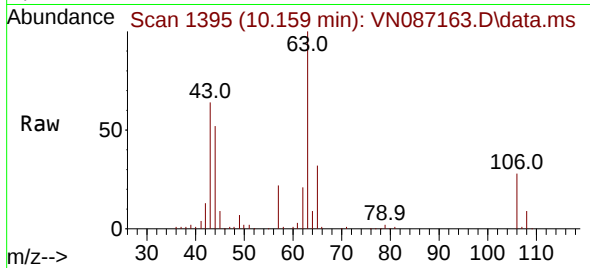
#55
2-Chloroethyl vinyl ether
Concen: 117.448 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 18989
Ion Ratio Lower Upper
63 100
65 32.0 25.7 38.5
106 27.4 22.7 34.1

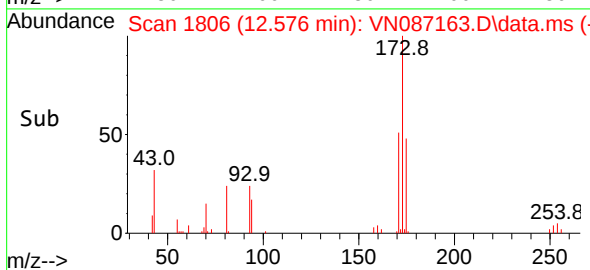
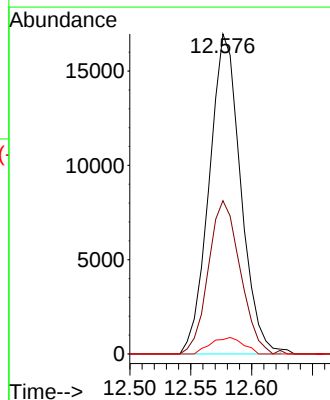
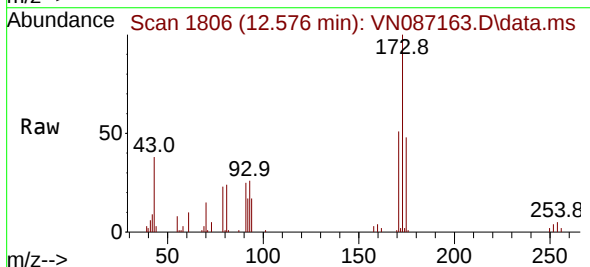
Manual Integrations
APPROVED

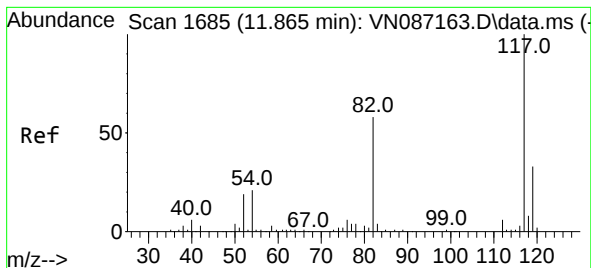
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 20.618 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:173 Resp: 30532
Ion Ratio Lower Upper
173 100
175 48.4 39.7 59.5
254 5.3 3.5 5.3#





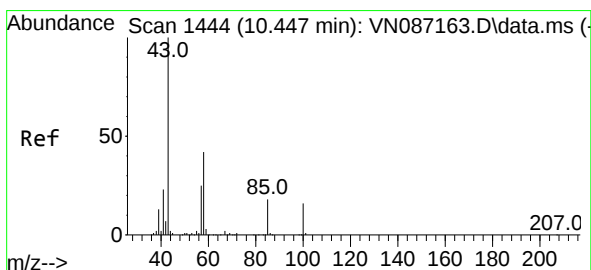
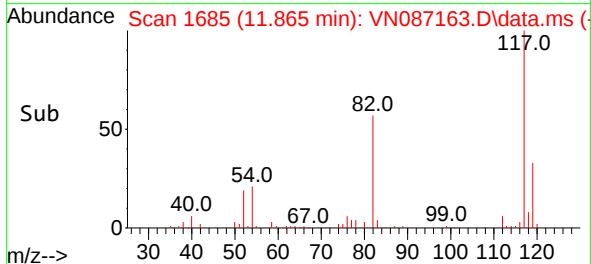
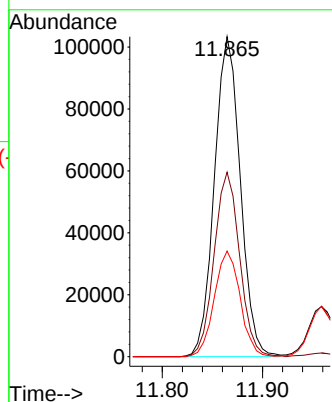
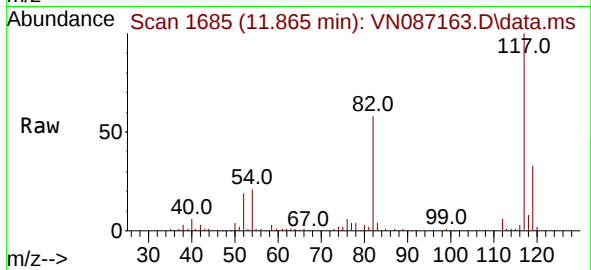
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 18568
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 32.8 25.6 38.4

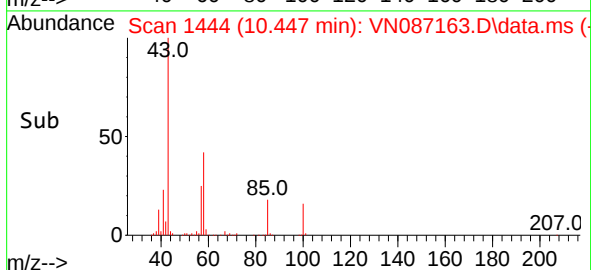
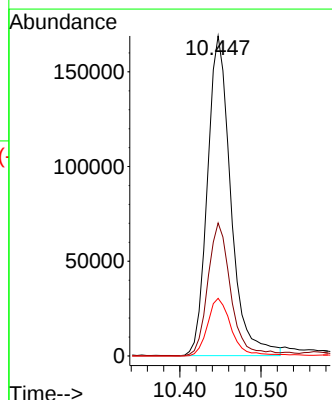
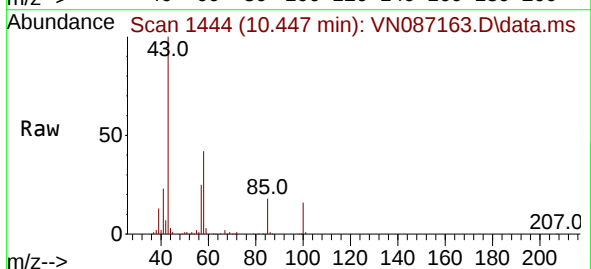
Manual Integrations
APPROVED

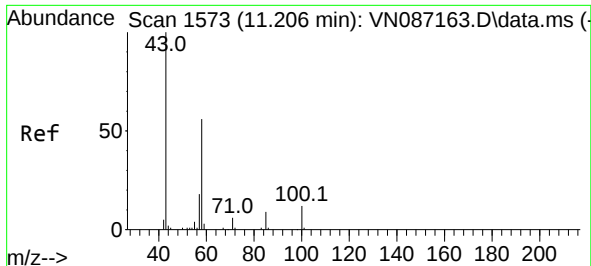
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 124.338 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

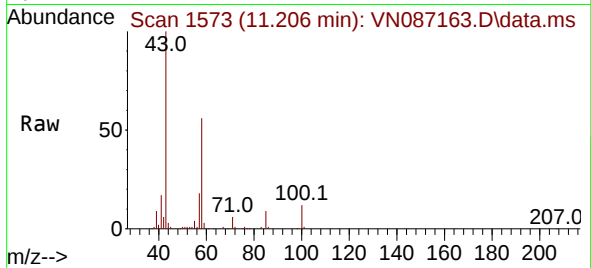
Tgt Ion: 43 Resp: 338778
Ion Ratio Lower Upper
43 100
58 40.8 34.5 51.7
85 18.3 15.8 23.8





#59
2-Hexanone
Concen: 102.251 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

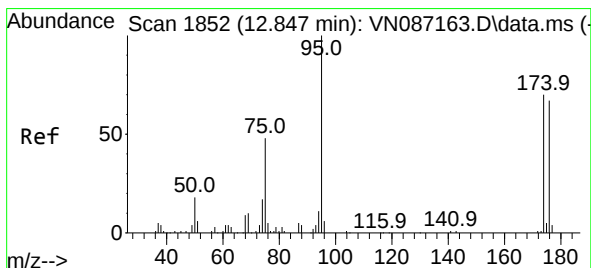
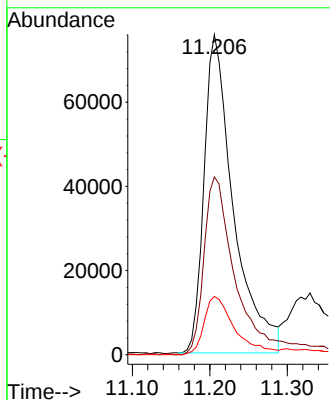
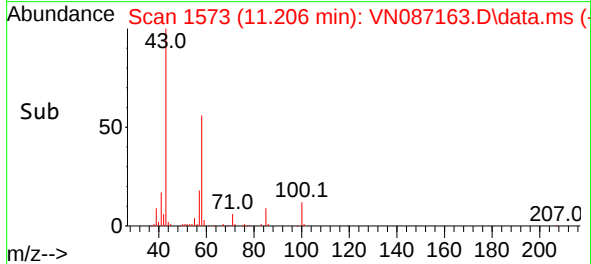
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 199560
Ion Ratio Lower Upper
43 100
58 61.5 49.1 73.7
57 19.1 16.6 25.0

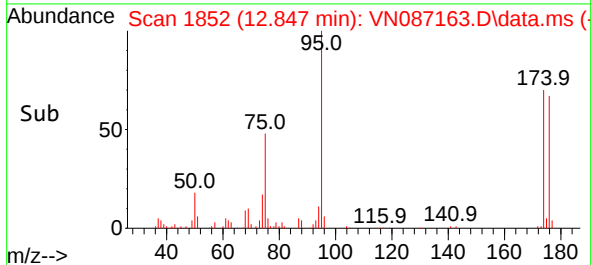
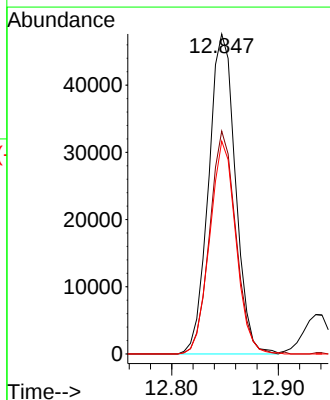
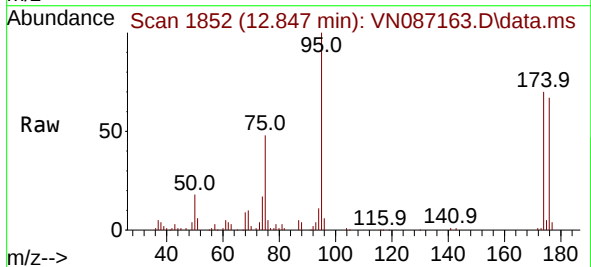
Manual Integrations
APPROVED

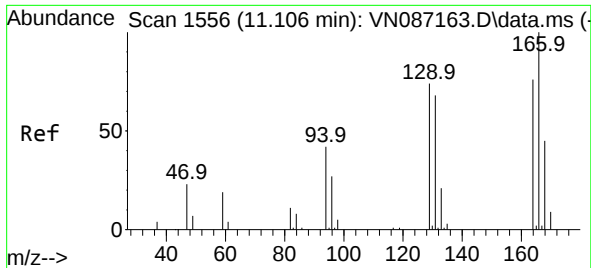
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#60
4-Bromofluorobenzene
Concen: 28.555 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

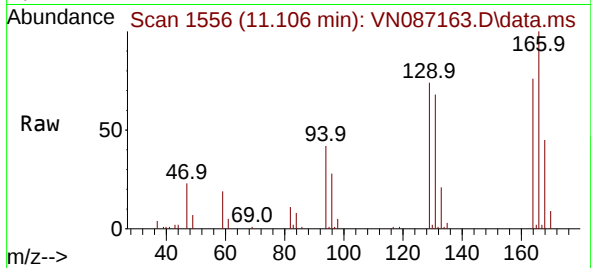
Tgt Ion: 95 Resp: 83246
Ion Ratio Lower Upper
95 100
174 68.1 56.2 84.4
176 64.9 53.4 80.0





#61
Tetrachloroethene
Concen: 10.618 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

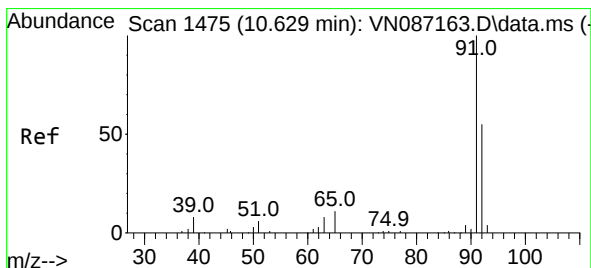
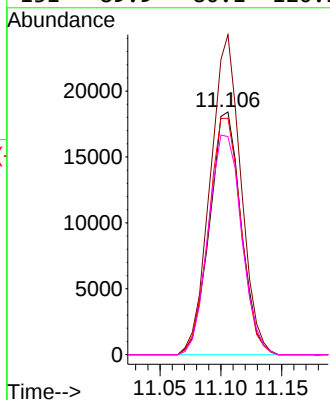
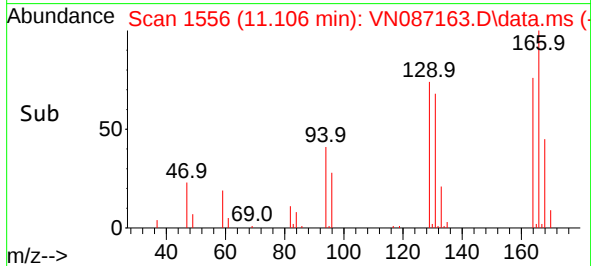
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



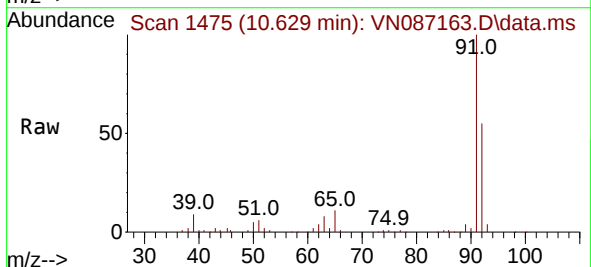
Tgt Ion:164 Resp: 3314
Ion Ratio Lower Upper
164 100
166 131.8 107.5 161.3
129 97.4 87.4 131.2
131 89.9 80.1 120.1

Manual Integrations
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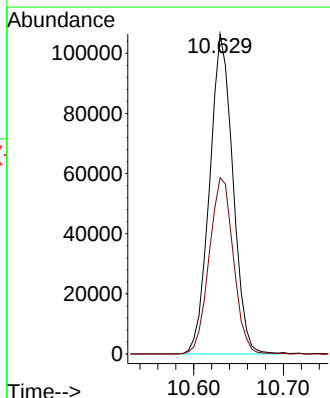
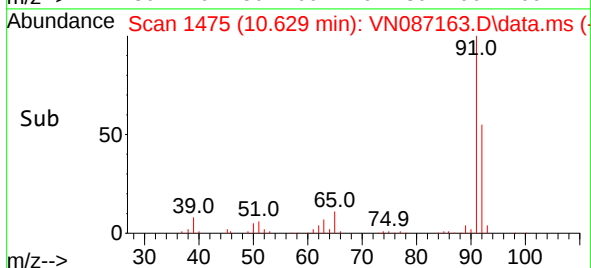
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

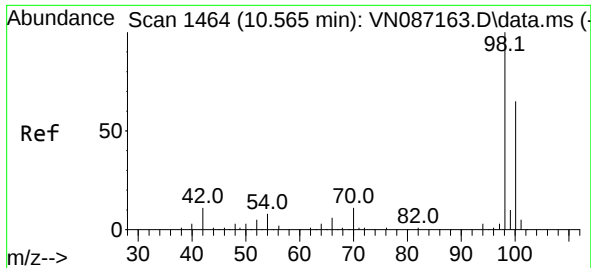


#62
Toluene
Concen: 18.349 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



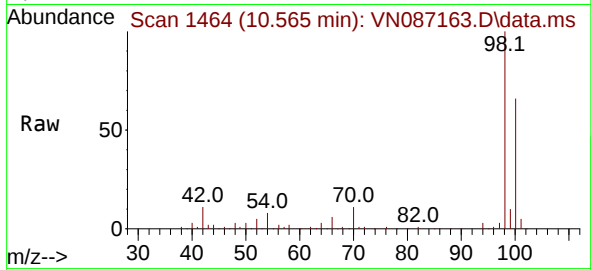
Tgt Ion: 91 Resp: 191888
Ion Ratio Lower Upper
91 100
92 57.3 46.6 70.0





#63
Toluene-d8
Concen: 30.486 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

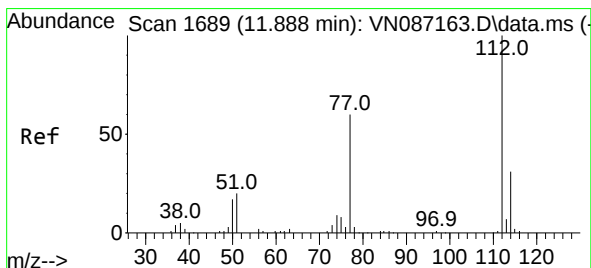
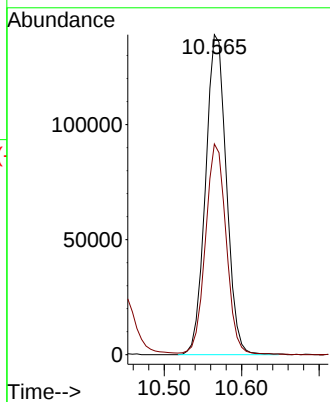
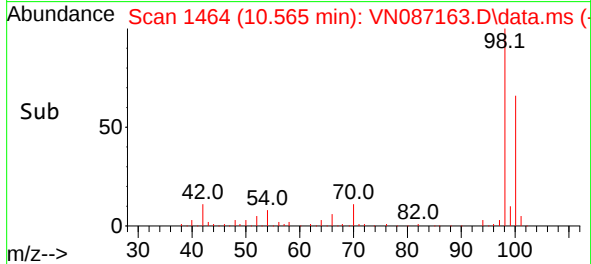
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



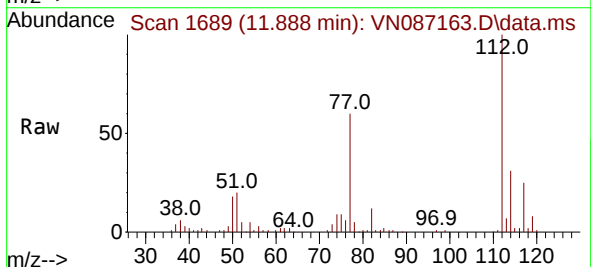
Tgt Ion: 98 Resp: 259828
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

Manual Integrations
APPROVED

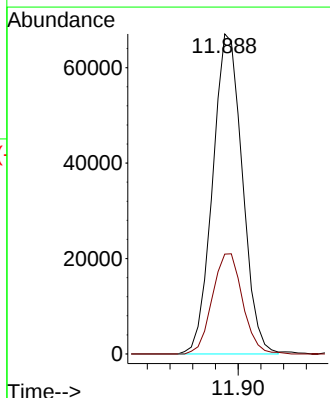
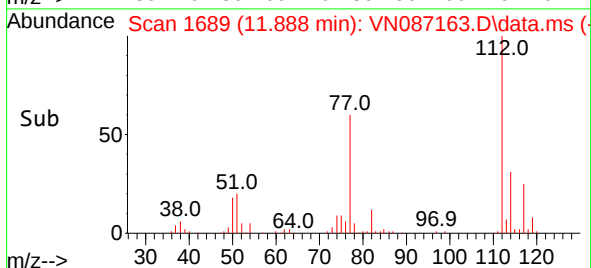
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

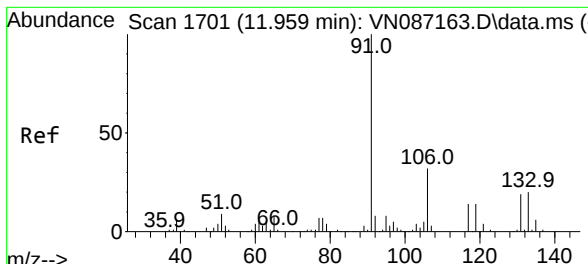


#64
Chlorobenzene
Concen: 18.278 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion:112 Resp: 121902
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7





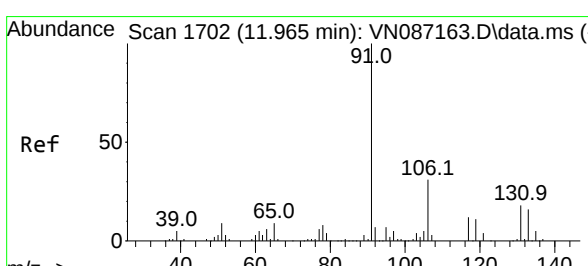
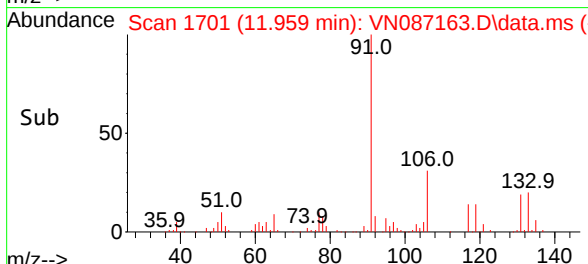
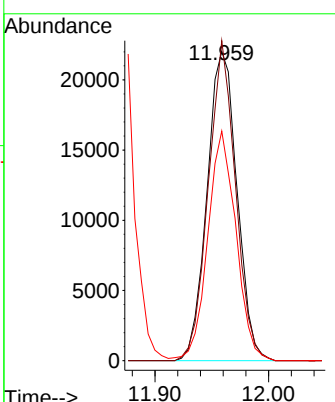
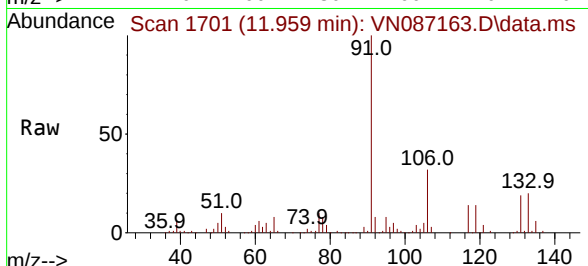
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.412 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument : MSVOA_N
 ClientSampleId : VSTDICCC020

Tgt Ion:131 Resp: 4034

Ion	Ratio	Lower	Upper
131	100		
133	93.9	0.0	191.0
119	70.0	0.0	140.8

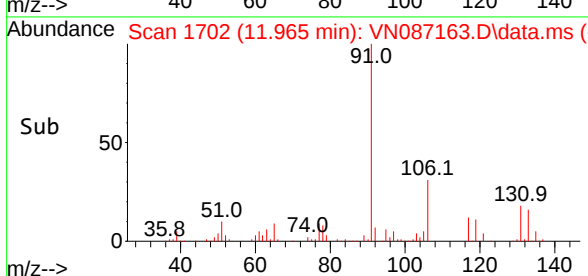
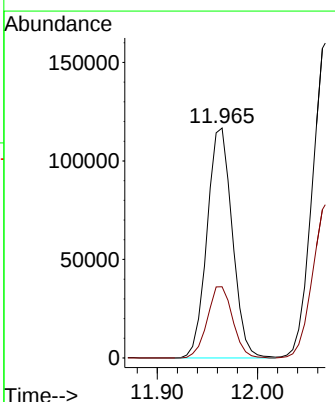
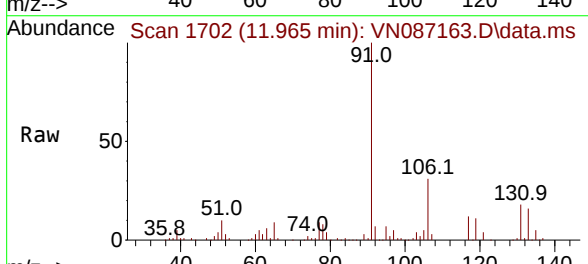
Manual Integrations
APPROVED
 Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025

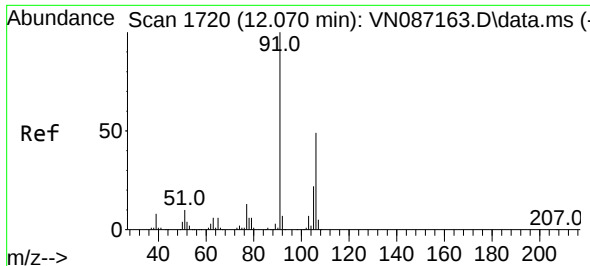


#66
 Ethyl Benzene
 Concen: 18.045 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. 0.006 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 91 Resp: 204111

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.6	35.4





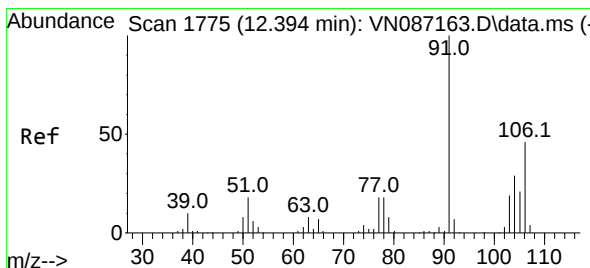
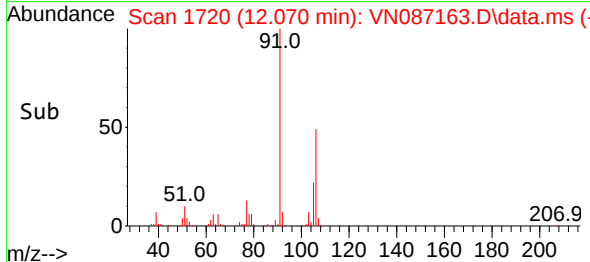
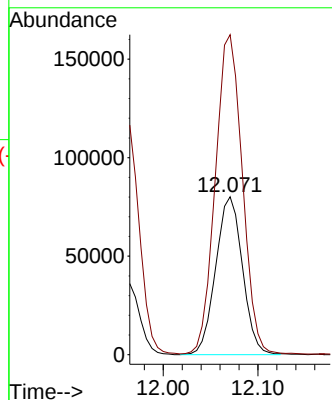
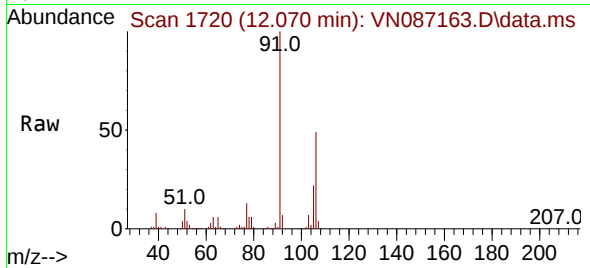
#67
m/p-Xylenes
Concen: 35.500 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 157570
Ion Ratio Lower Upper
106 100
91 203.7 160.7 241.1

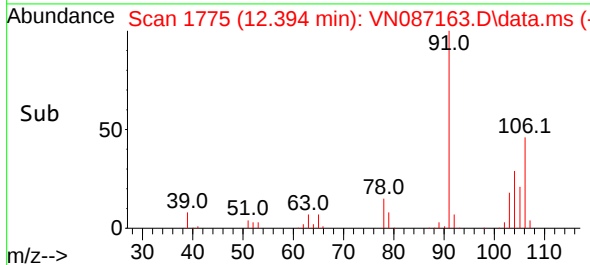
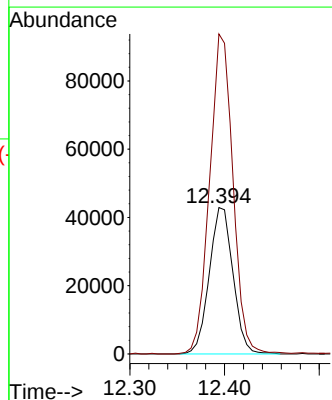
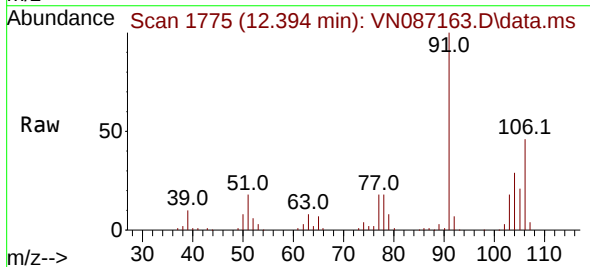
Manual Integrations
APPROVED

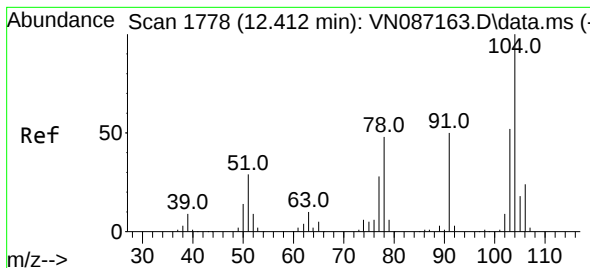
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#68
o-Xylene
Concen: 17.386 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:106 Resp: 74793
Ion Ratio Lower Upper
106 100
91 214.1 106.3 318.9





#69

Styrene

Concen: 17.953 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:104 Resp: 12866

Ion Ratio Lower Upper

104 100

78 49.8 38.6 57.8

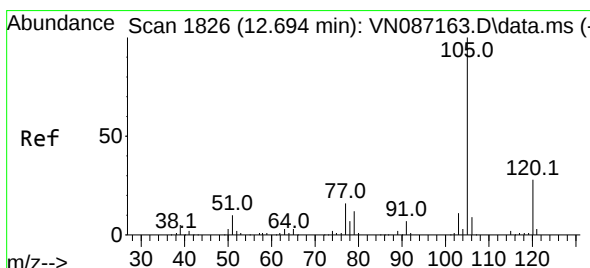
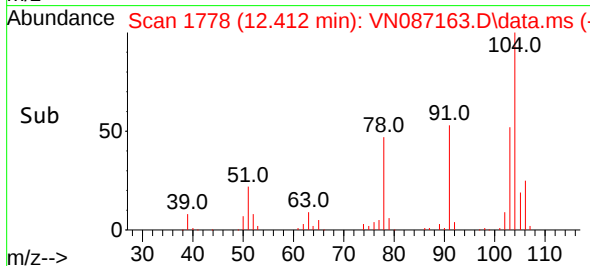
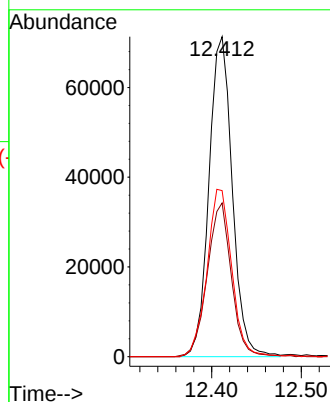
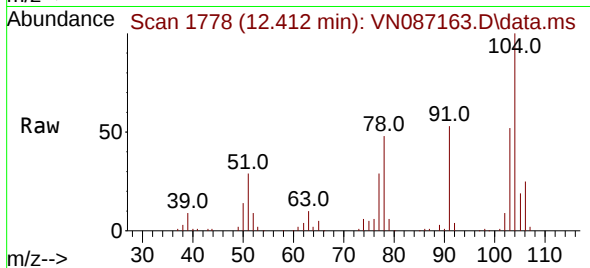
103 55.3 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#70

Isopropylbenzene

Concen: 17.899 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN087163.D

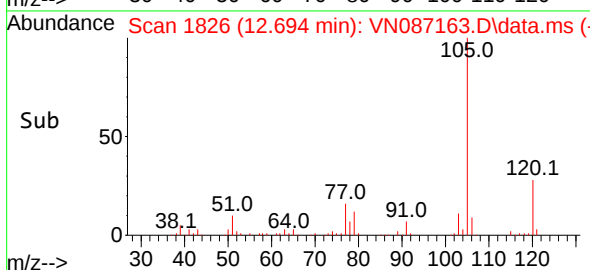
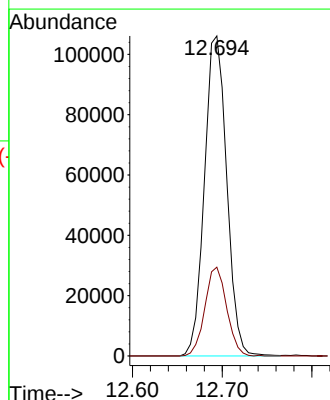
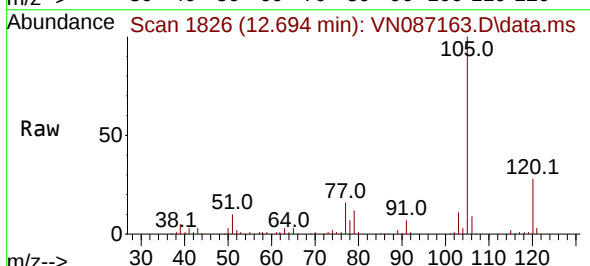
Acq: 25 Jun 2025 09:20

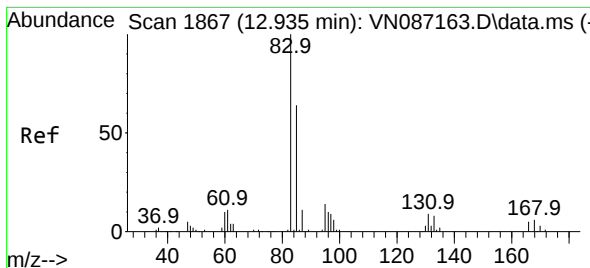
Tgt Ion:105 Resp: 183132

Ion Ratio Lower Upper

105 100

120 27.1 19.0 35.2





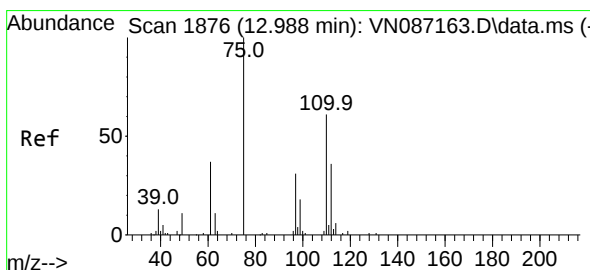
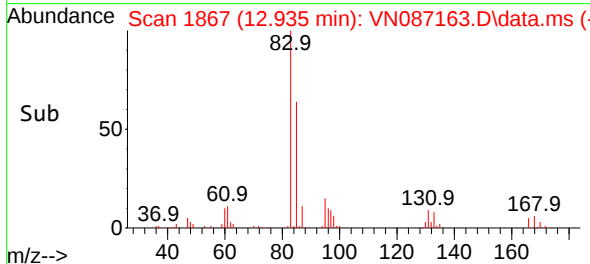
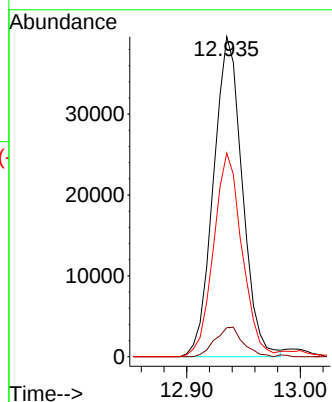
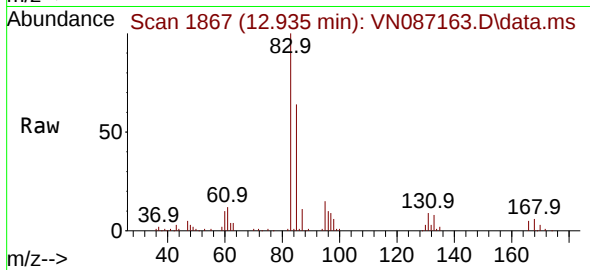
#71
1,1,2,2-Tetrachloroethane
Concen: 28.780 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 70012
Ion Ratio Lower Upper
83 100
131 8.9 5.0 15.0
85 62.6 32.6 97.7

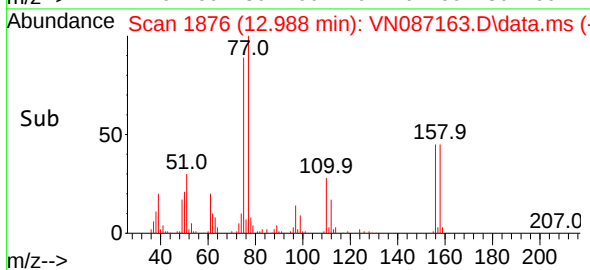
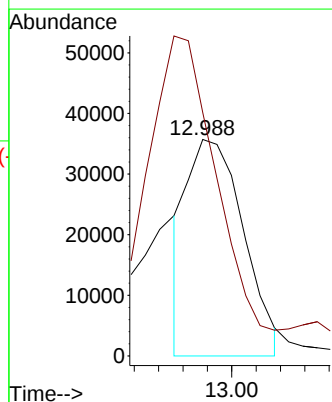
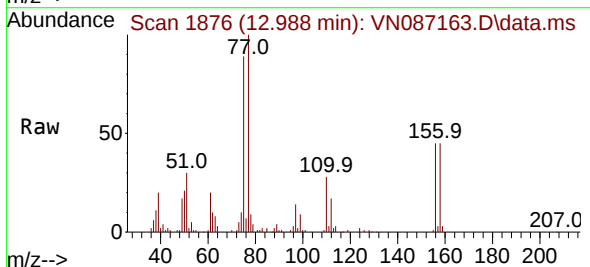
Manual Integrations
APPROVED

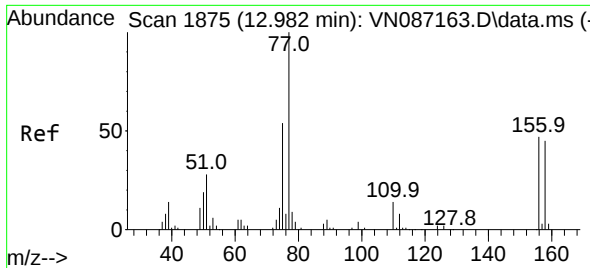
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#72
1,2,3-Trichloropropane
Concen: 20.191 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

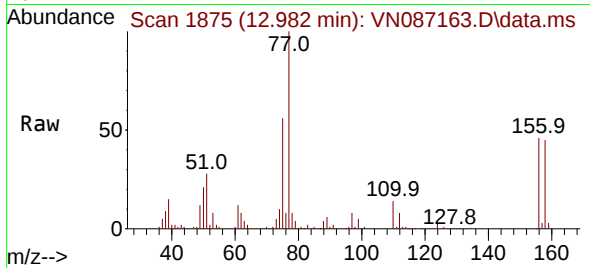
Tgt Ion: 75 Resp: 57564
Ion Ratio Lower Upper
75 100
77 189.6 0.0 390.6





#73
Bromobenzene
Concen: 17.559 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

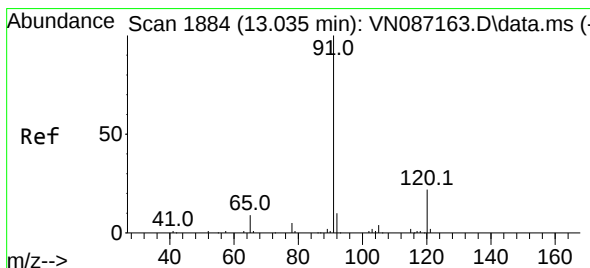
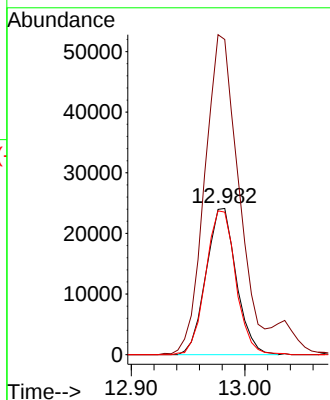
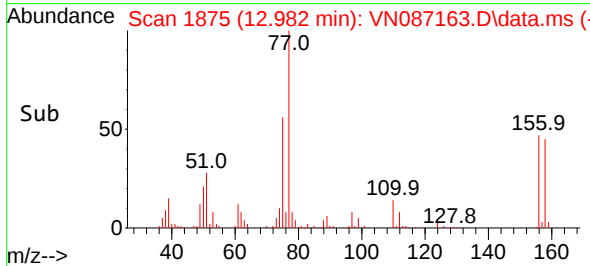
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:156 Resp: 44654
Ion Ratio Lower Upper
156 100
77 244.5 0.0 442.0
158 97.6 0.0 191.8

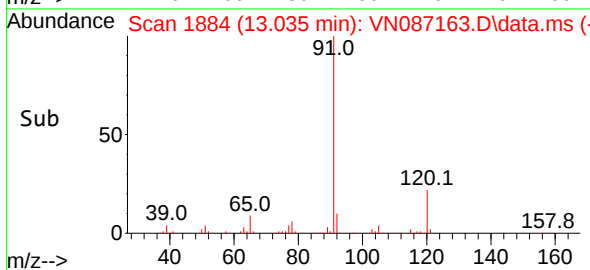
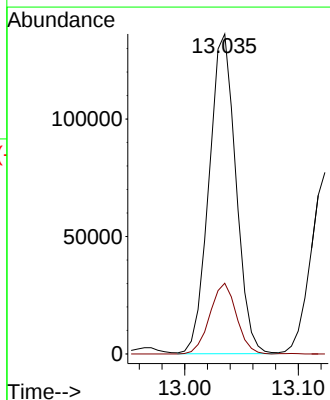
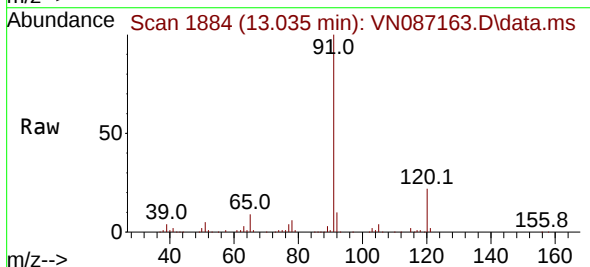
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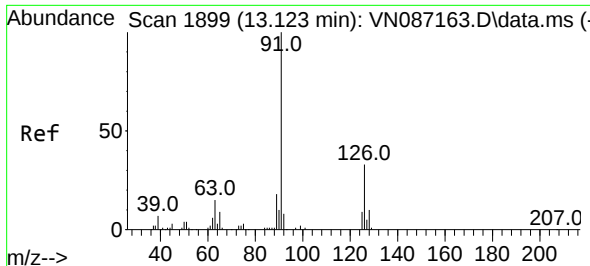
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 18.457 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 91 Resp: 223685
Ion Ratio Lower Upper
91 100
120 21.8 0.0 45.6





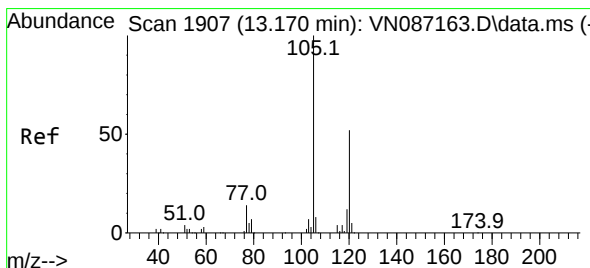
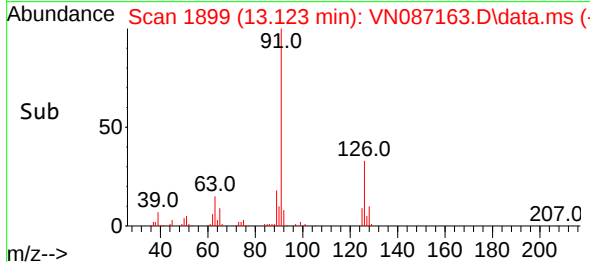
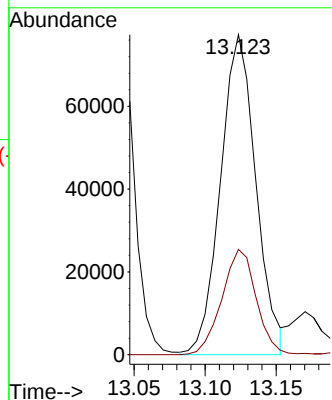
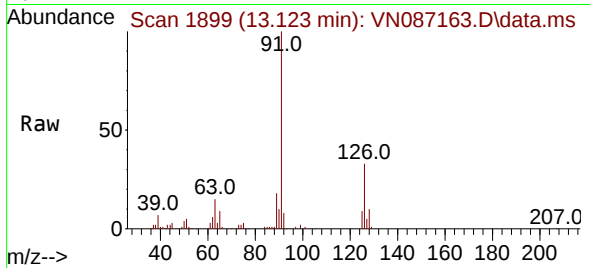
#75
2-Chlorotoluene
Concen: 17.187 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 133694
Ion Ratio Lower Upper
91 100
126 31.9 0.0 64.4

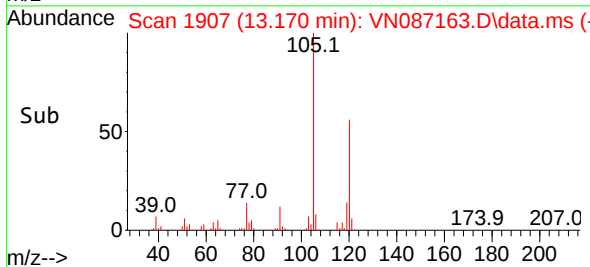
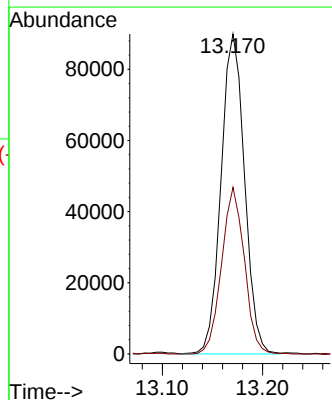
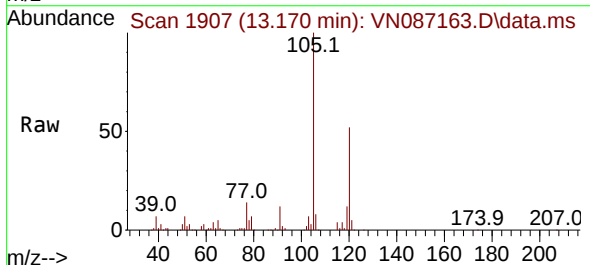
Manual Integrations
APPROVED

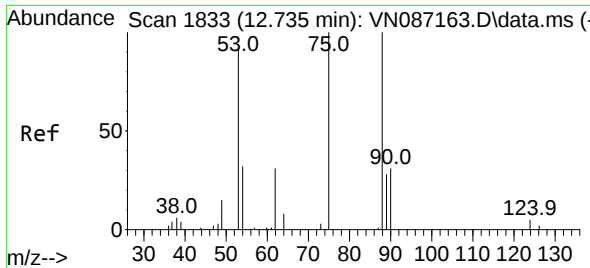
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 17.169 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

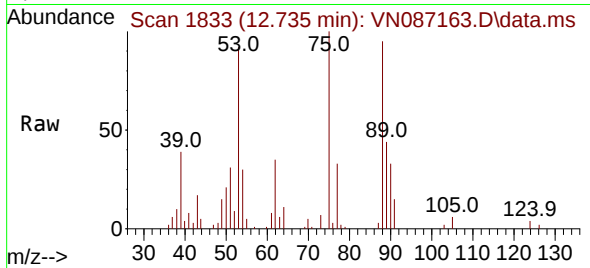
Tgt Ion:105 Resp: 146137
Ion Ratio Lower Upper
105 100
120 50.4 0.0 101.4





#77
t-1,4-Dichloro-2-butene
Concen: 20.803 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

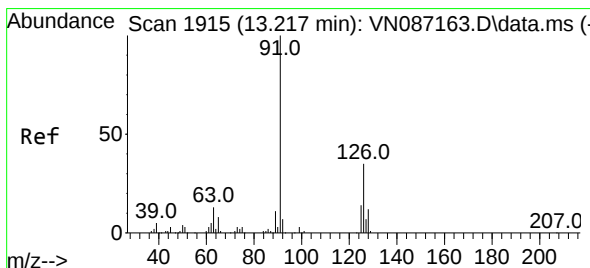
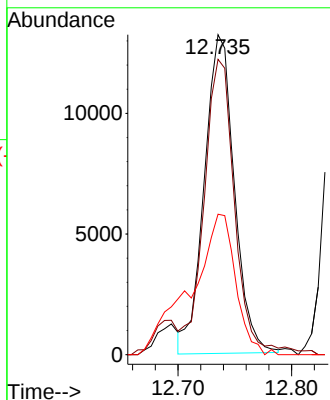
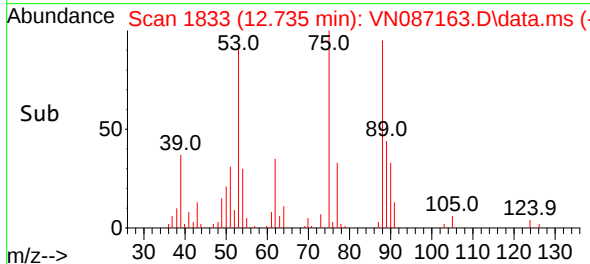
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



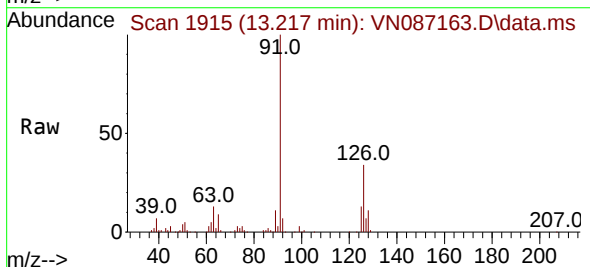
Tgt Ion: 75 Resp: 2427
Ion Ratio Lower Upper
75 100
53 91.7 43.0 128.8
89 44.6 25.4 76.2

Manual Integrations
APPROVED

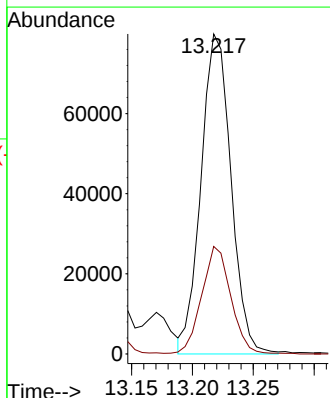
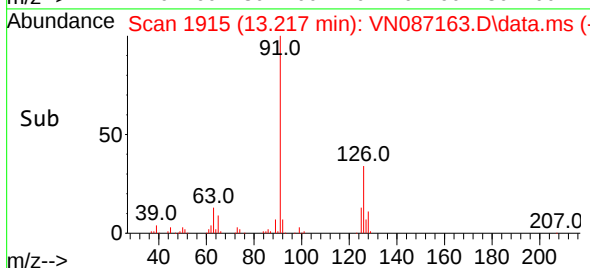
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

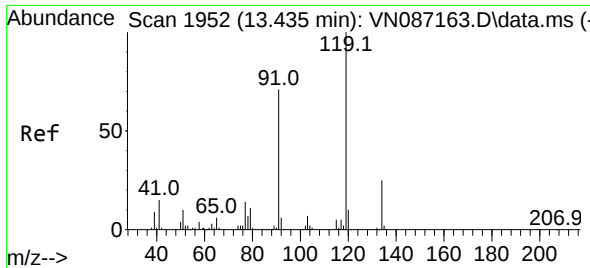


#78
4-Chlorotoluene
Concen: 17.793 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 91 Resp: 137101
Ion Ratio Lower Upper
91 100
126 32.6 0.0 66.6





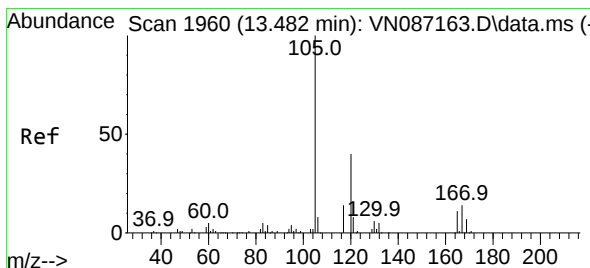
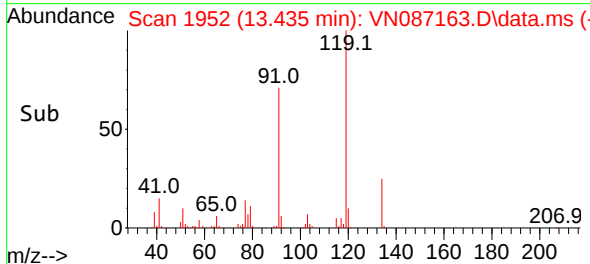
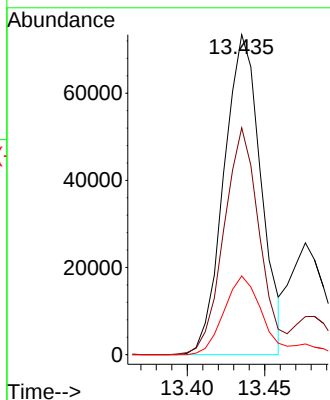
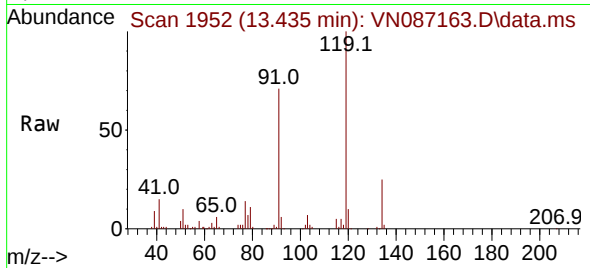
#79
tert-butylbenzene
Concen: 16.611 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 12224
Ion Ratio Lower Upper
119 100
91 68.5 0.0 130.4
134 24.7 0.0 50.6

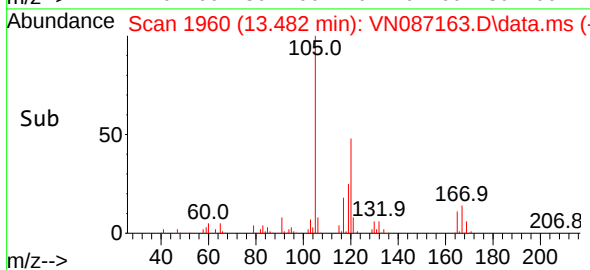
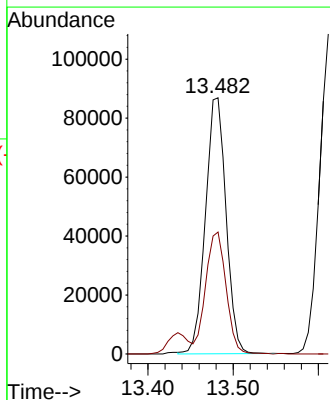
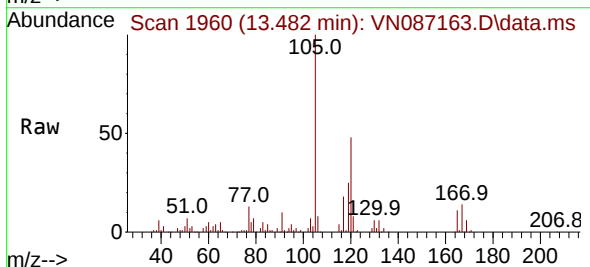
Manual Integrations
APPROVED

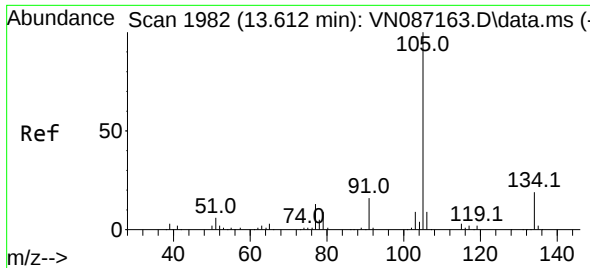
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.068 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:105 Resp: 145827
Ion Ratio Lower Upper
105 100
120 47.0 0.0 92.2





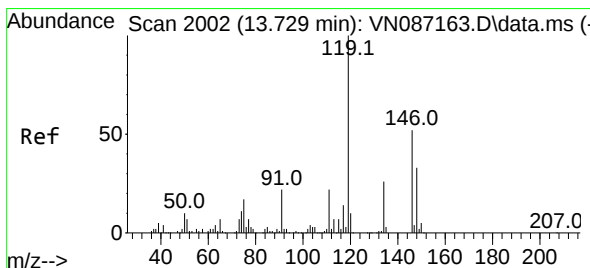
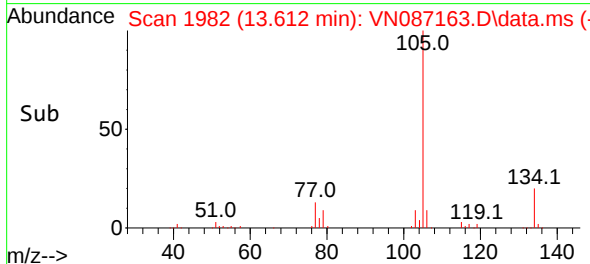
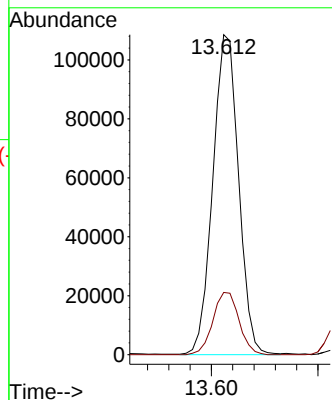
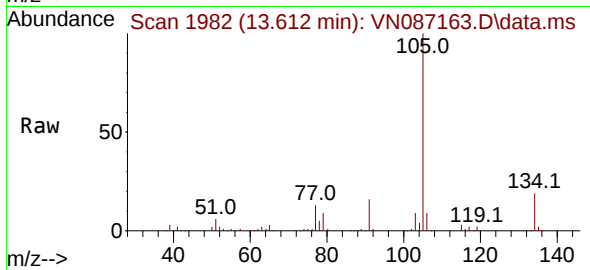
#81
 sec-Butylbenzene
 Concen: 18.192 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:105 Resp: 18239
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.0

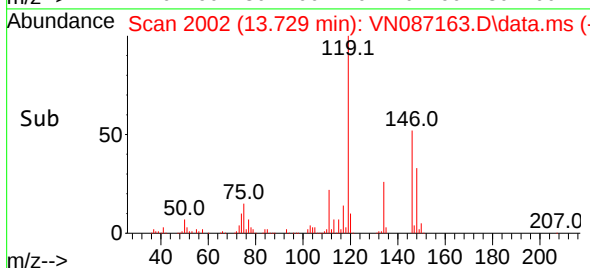
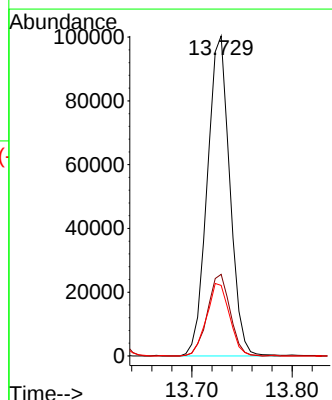
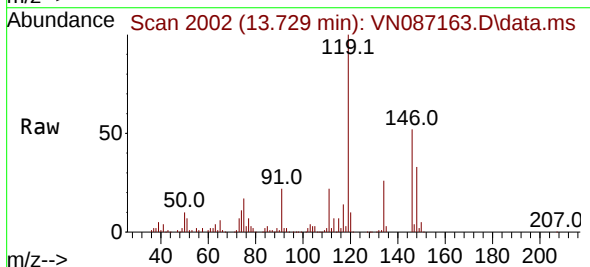
Manual Integrations
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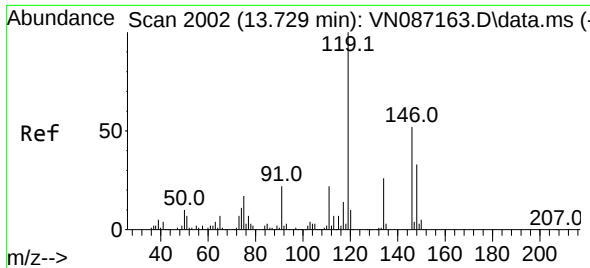
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 18.630 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion:119 Resp: 156830
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.8
 91 23.2 0.0 45.2





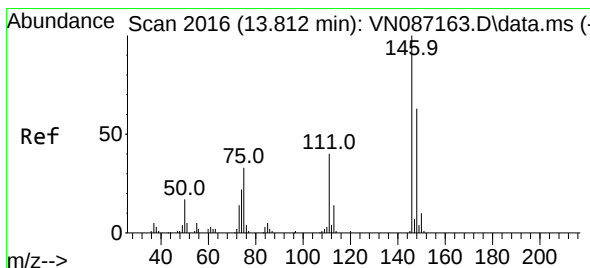
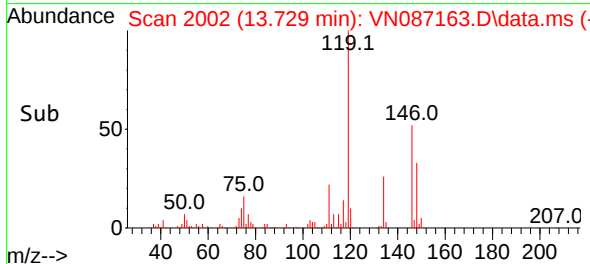
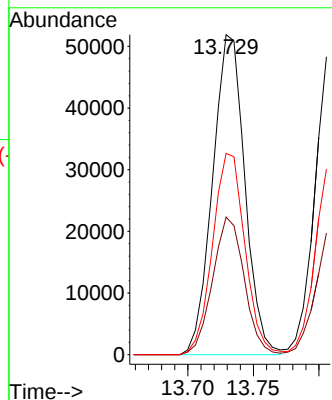
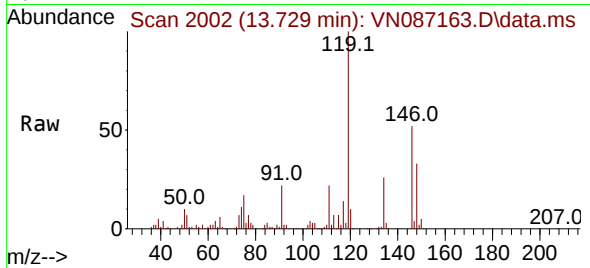
#83
1,3-Dichlorobenzene
Concen: 19.018 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 8872
Ion Ratio Lower Upper
146 100
111 42.2 21.1 63.1
148 63.2 32.1 96.5

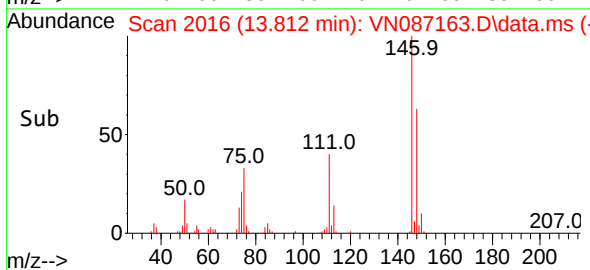
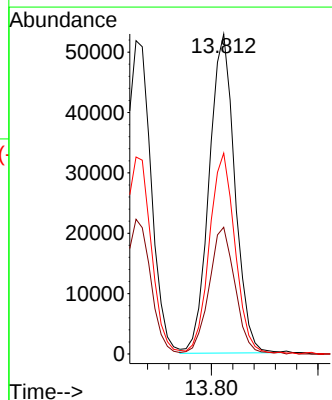
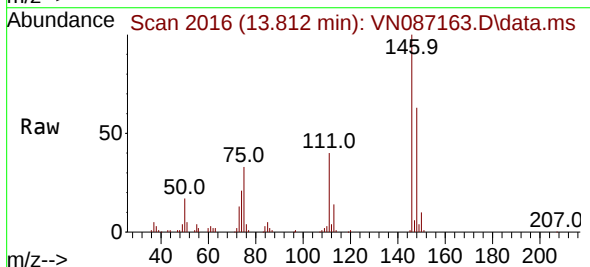
Manual Integrations
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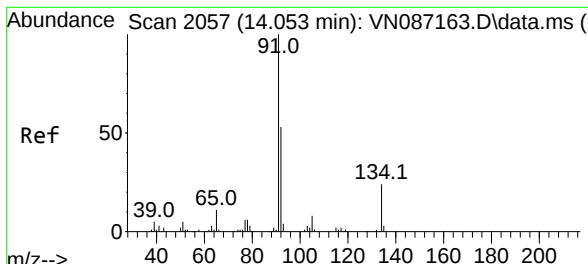
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#84
1,4-Dichlorobenzene
Concen: 19.028 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:146 Resp: 88343
Ion Ratio Lower Upper
146 100
111 40.1 19.8 59.4
148 62.8 31.9 95.5



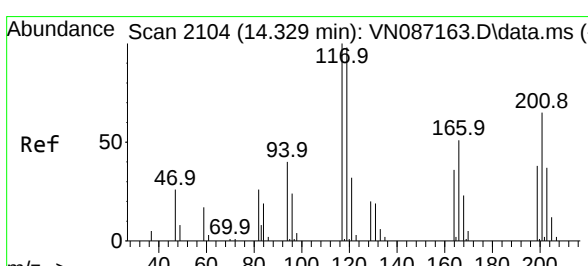
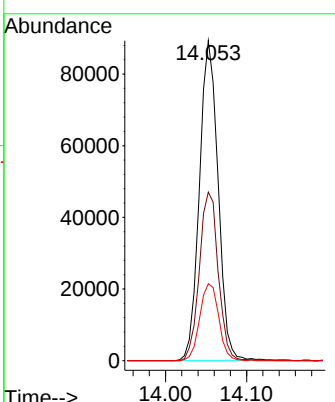
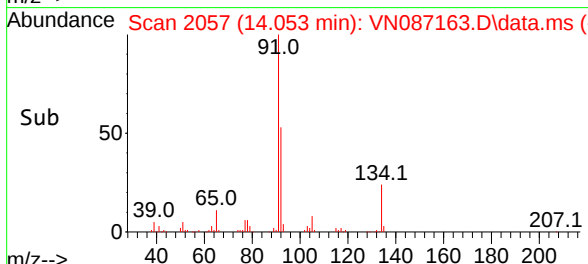
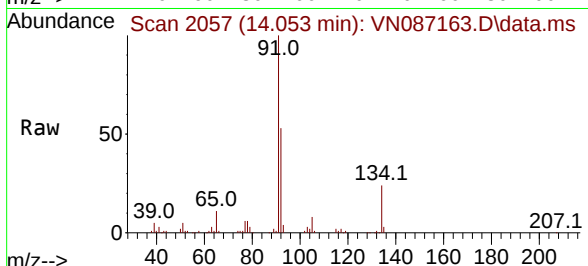


#85
 n-Butylbenzene
 Concen: 20.240 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument : MSVOA_N
 ClientSampleId : VSTDICCC020

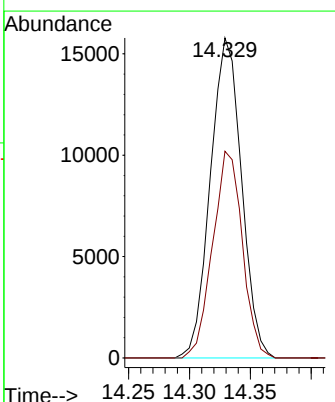
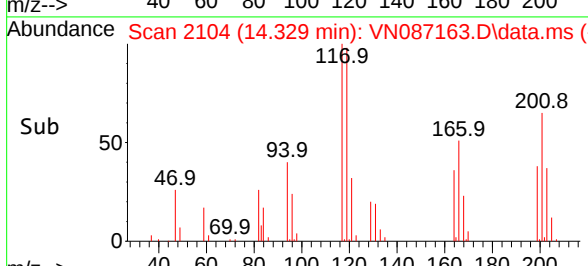
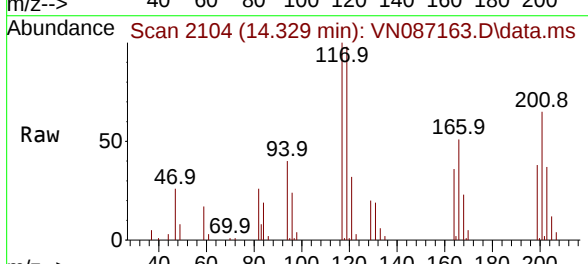
Tgt Ion:	91	Resp:	14264
Ion Ratio	Lower	Upper	
91	100		
92	53.2	0.0	107.6
134	24.4	0.0	50.0

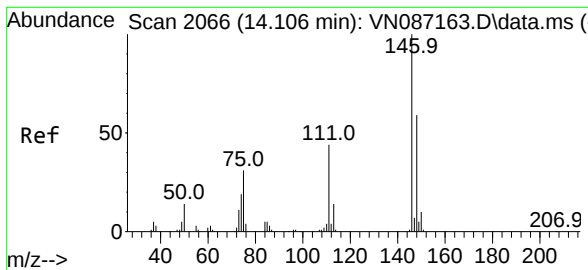
Manual Integrations
APPROVED
 Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#86
 Hexachloroethane
 Concen: 19.596 ug/l
 RT: 14.329 min Scan# 2104
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion:	117	Resp:	28116
Ion Ratio	Lower	Upper	
117	100		
201	61.5	31.4	94.3





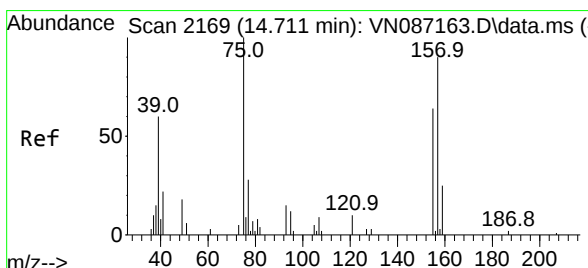
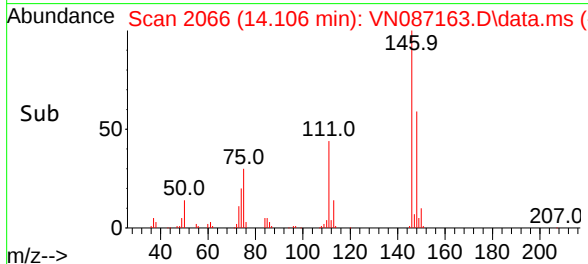
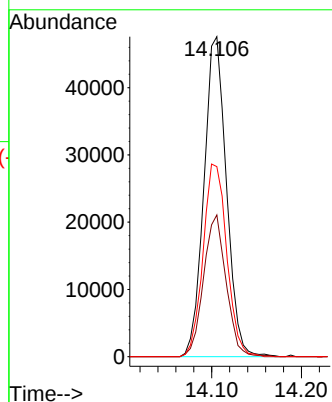
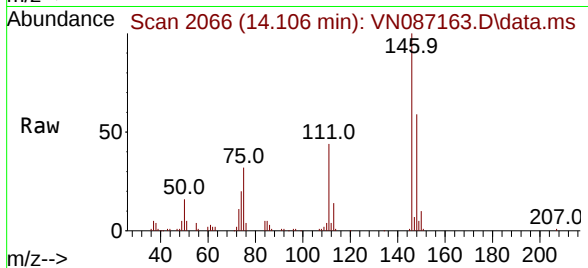
#87
1,2-Dichlorobenzene
Concen: 18.439 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 82984
Ion Ratio Lower Upper
146 100
111 44.1 21.6 64.8
148 63.3 31.6 94.7

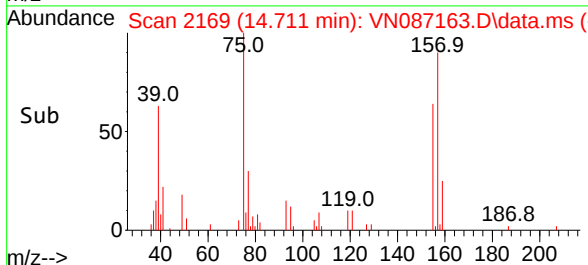
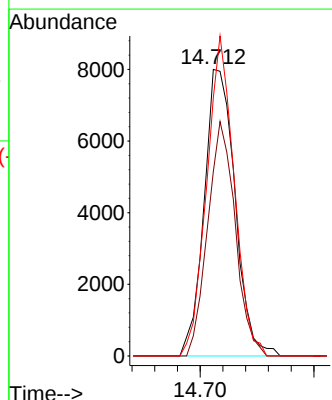
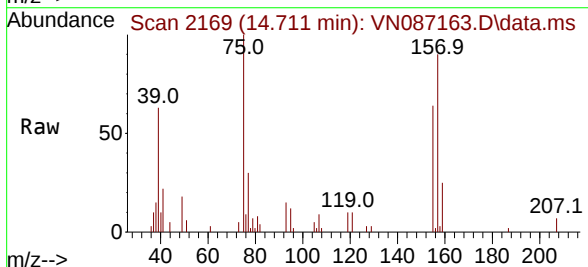
Manual Integrations
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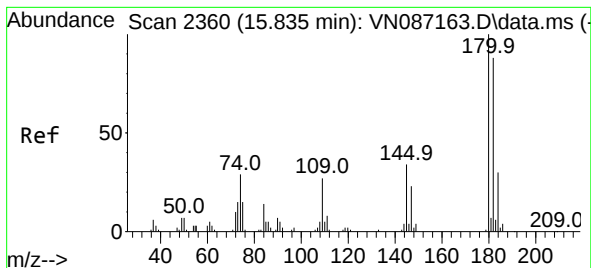
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 29.539 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 75 Resp: 15132
Ion Ratio Lower Upper
75 100
155 72.9 62.9 94.3
157 99.0 84.0 126.0





#89

1,2,4-Trichlorobenzene

Concen: 24.937 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

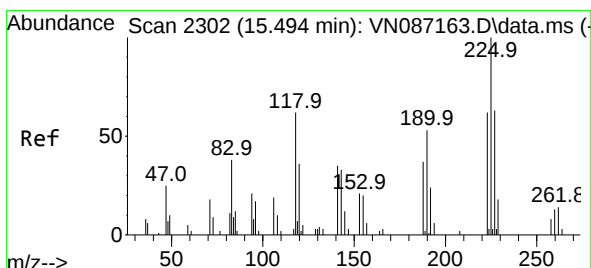
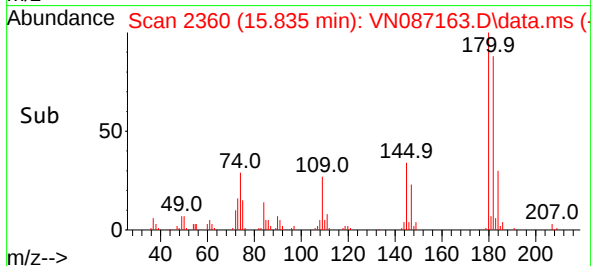
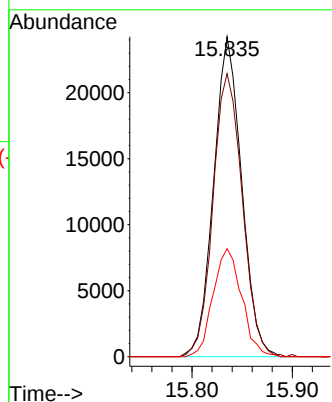
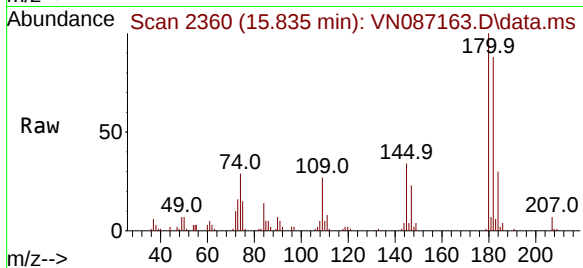
Tgt Ion:	180	Resp:	4696
Ion Ratio	Lower	Upper	
180	100		
182	92.7	78.2	117.2
145	34.5	28.0	42.0

Manual Integrations

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Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#90

Hexachlorobutadiene

Concen: 17.189 ug/l

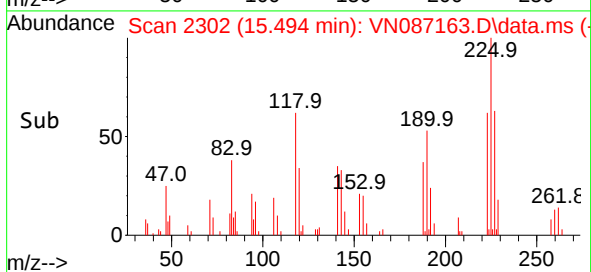
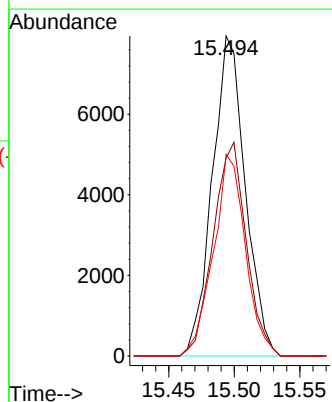
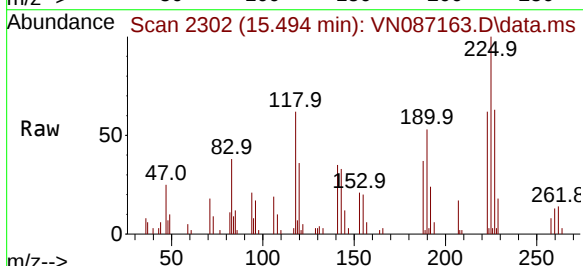
RT: 15.494 min Scan# 2302

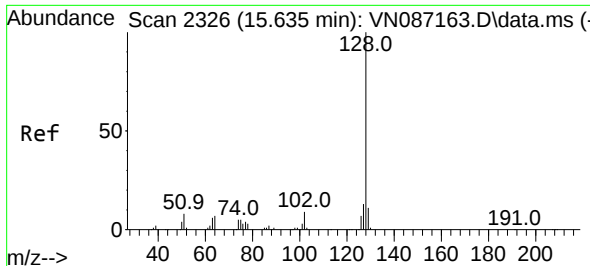
Delta R.T. -0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Tgt Ion:	225	Resp:	13876
Ion Ratio	Lower	Upper	
225	100		
223	67.1	0.0	135.8
227	61.3	0.0	125.0





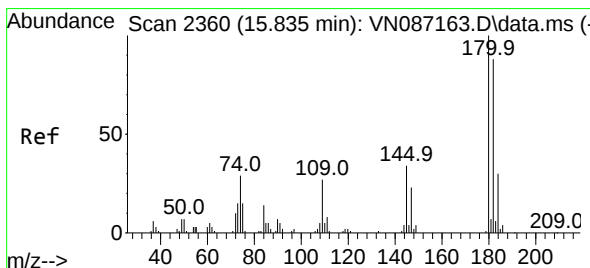
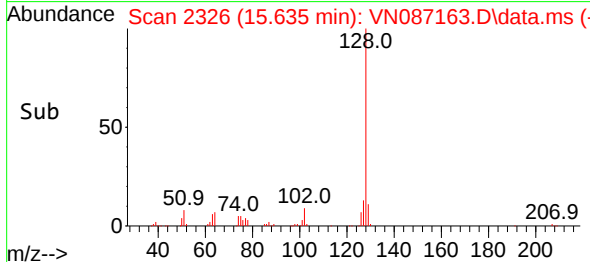
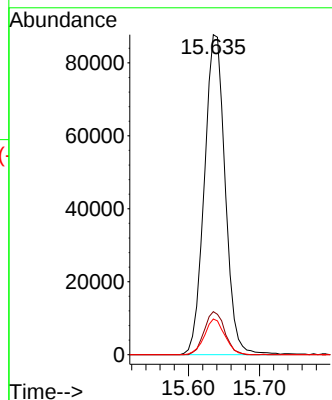
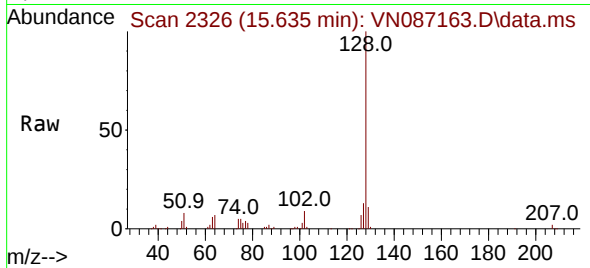
#91
Naphthalene
Concen: 27.168 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 178532
Ion Ratio Lower Upper
128 100
127 13.2 9.8 14.6
129 11.0 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 24.937 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:180 Resp: 46967
Ion Ratio Lower Upper
180 100
182 92.7 0.0 195.4
145 34.5 0.0 70.0

