

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087178.D
 Acq On : 25 Jun 2025 15:20
 Operator : JC\MD
 Sample : Q2126-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Jun 26 04:03:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.824	128	35779	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	197443	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	179361	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	81404	30.197	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.667%			
60) 4-Bromofluorobenzene	12.847	95	82429	29.782	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.267%			
63) Toluene-d8	10.565	98	246039	30.551	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.833%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.154	85	10078	4.679	ug/l	93
3) Chloromethane	2.395	50	11646	5.294	ug/l	98
4) Vinyl Chloride	2.554	62	11421	4.777	ug/l	95
5) Bromomethane	2.989	94	4092m	3.225	ug/l	
6) Chloroethane	3.148	64	6509	5.075	ug/l	93
7) Trichlorofluoromethane	3.530	101	12148	4.142	ug/l	97
8) Diethyl Ether	3.989	74	4678m	3.247	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.401	101	10025	4.611	ug/l	90
10) 1,1-Dichloroethene	4.365	96	9894m	4.565	ug/l	
11) Methyl Iodide	4.612	142	3838	1.977	ug/l #	90
12) Methyl Acetate	5.048	43	15206	4.473	ug/l	95
13) Acrolein	4.200	56	6670	12.768	ug/l	96
14) Acrylonitrile	5.736	53	37806	23.841	ug/l	99
15) Acetone	4.448	58	9814	21.217	ug/l	89
16) Carbon Disulfide	4.736	76	33858	5.343	ug/l	99
17) Allyl chloride	5.048	41	17580	4.918	ug/l	90
18) Methylene Chloride	5.295	84	13314	5.303	ug/l	98
19) trans-1,2-Dichloroethene	5.812	96	11937	5.036	ug/l	91
20) Diisopropyl ether	6.689	45	36469	4.808	ug/l	94
21) 1,1-Dichloroethane	6.589	63	22113	4.878	ug/l	96
22) cis-1,2-Dichloroethene	7.500	96	13607	4.933	ug/l	97
23) tert-Butyl Alcohol	5.530	59	13976m	23.436	ug/l	
24) Methyl tert-Butyl Ether	5.818	73	36160	4.757	ug/l #	83
25) Chloroform	7.971	83	20738	4.775	ug/l	98
26) Cyclohexane	8.265	56	18046	4.789	ug/l #	94
29) 1,1-Dichloropropene	8.377	75	15176	4.931	ug/l	98
30) 2-Butanone	7.494	43	48927	23.569	ug/l #	97
31) 2,2-Dichloropropane	7.500	77	17631	4.746	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	18646	5.186	ug/l	98
33) Carbon Tetrachloride	8.371	117	15148	5.007	ug/l	97
34) Benzene	8.612	78	49923	5.121	ug/l #	93
35) Methacrylonitrile	7.789	41	10298	4.922	ug/l	96
36) 1,2-Dichloroethane	8.677	62	16114	5.116	ug/l #	95
37) Trichloroethene	9.353	130	11276	5.014	ug/l	100
38) Methylcyclohexane	9.606	83	16817	4.763	ug/l	96
39) 1,2-Dichloropropane	9.624	63	12291	5.023	ug/l	93
40) Dibromomethane	9.706	93	8061	4.845	ug/l	98
41) Bromodichloromethane	9.888	83	16747	4.986	ug/l	99
42) Vinyl Acetate	6.624	43	142160	21.055	ug/l	97

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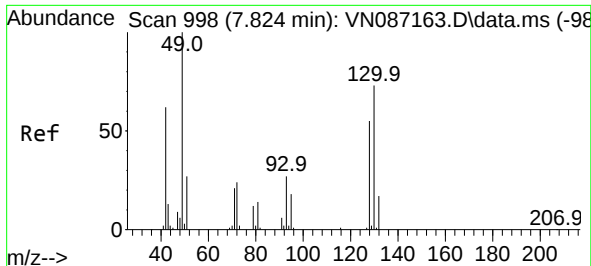
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	21370	5.703	ug/l #	80
44) Isopropyl Acetate	8.694	43	29960	4.907	ug/l	98
45) 1,4-Dioxane	9.712	88	3819m	92.465	ug/l	
46) Methyl methacrylate	9.682	41	12118	4.269	ug/l	95
47) n-amyl Acetate	12.694	43	27340m	7.324	ug/l	
48) t-1,3-Dichloropropene	10.841	75	16913	4.517	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	19609	4.927	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	11735	4.965	ug/l	98
51) Ethyl methacrylate	10.894	69	13557	3.768	ug/l	96
52) 1,3-Dichloropropane	11.165	76	19699	4.855	ug/l	97
53) Dibromochloromethane	11.359	129	11682	4.708	ug/l	97
54) 1,2-Dibromoethane	11.471	107	11267	4.620	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	48317	23.431	ug/l	99
56) Bromoform	12.576	173	7428	4.355	ug/l #	96
58) 4-Methyl-2-Pentanone	10.453	43	77969	21.623	ug/l	99
59) 2-Hexanone	11.229	43	31017m	13.321	ug/l	
61) Tetrachloroethene	11.106	164	9933	5.592	ug/l	89
62) Toluene	10.630	91	53123	5.244	ug/l	100
64) Chlorobenzene	11.894	112	31881	4.934	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	10192	4.774	ug/l	99
66) Ethyl Benzene	11.965	91	49708	4.483	ug/l	97
67) m/p-Xylenes	12.071	106	37447	8.813	ug/l	98
68) o-Xylene	12.394	106	17909	4.418	ug/l	98
69) Styrene	12.412	104	29254	4.204	ug/l	100
70) Isopropylbenzene	12.694	105	46148	4.571	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	18796	5.172	ug/l	95
72) 1,2,3-Trichloropropane	12.994	75	15954m	5.091	ug/l	
73) Bromobenzene	12.976	156	11850	4.839	ug/l	98
74) n-propylbenzene	13.035	91	59042	4.787	ug/l	99
75) 2-Chlorotoluene	13.123	91	36995	4.965	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	38548	4.690	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	5366	3.860	ug/l	90
78) 4-Chlorotoluene	13.218	91	37234	4.879	ug/l	98
79) tert-butylbenzene	13.435	119	34537	4.999	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	38237	4.633	ug/l	100
81) sec-Butylbenzene	13.612	105	48434	4.823	ug/l	100
82) p-Isopropyltoluene	13.723	119	39118	4.681	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	23657	5.016	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	23510	4.953	ug/l	98
85) n-Butylbenzene	14.053	91	36171	4.744	ug/l	99
86) Hexachloroethane	14.329	117	7490	4.734	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	22191	4.991	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	4267	5.215	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	12170	4.838	ug/l	99
90) Hexachlorobutadiene	15.494	225	4206	5.634	ug/l	94
91) Naphthalene	15.641	128	42959	4.339	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	12170	4.838	ug/l	99

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



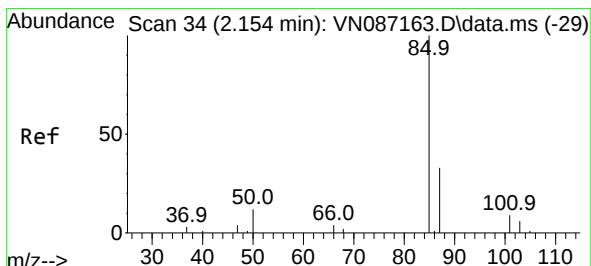
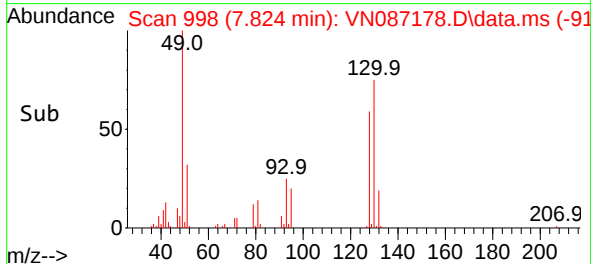
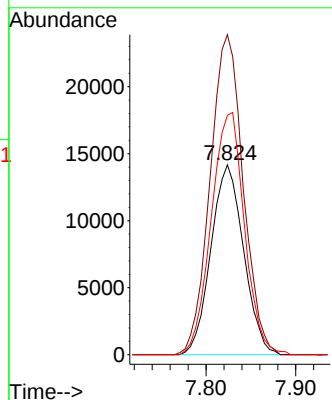
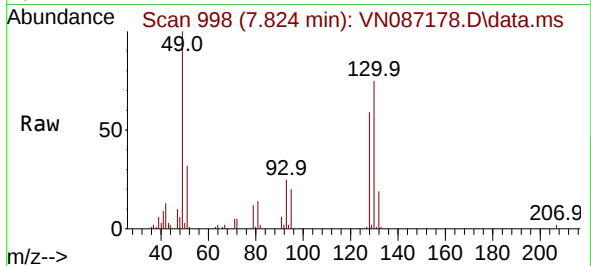
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:128 Resp: 35779
Ion Ratio Lower Upper
128 100
49 170.6 0.0 450.5
130 129.9 0.0 320.7

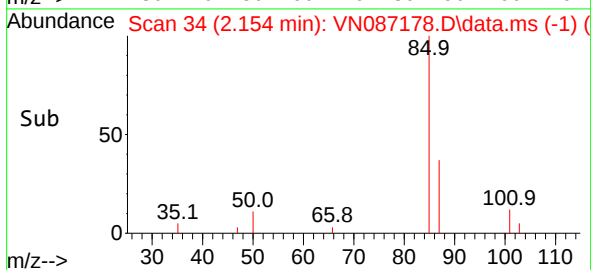
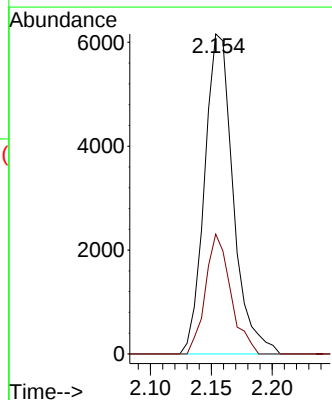
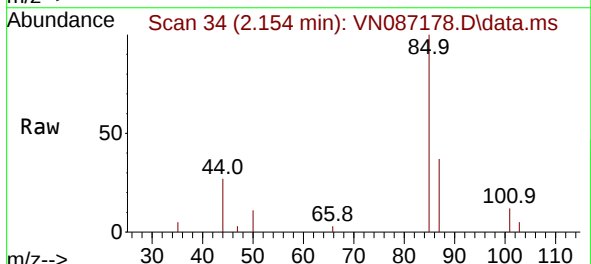
Manual Integrations
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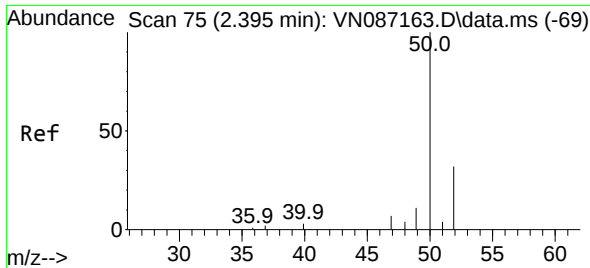
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 4.679 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

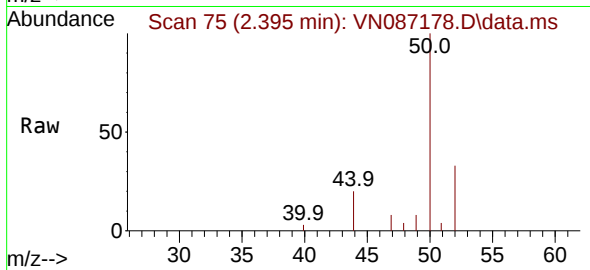
Tgt Ion: 85 Resp: 10078
Ion Ratio Lower Upper
85 100
87 37.5 16.7 50.0





#3
Chloromethane
Concen: 5.294 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

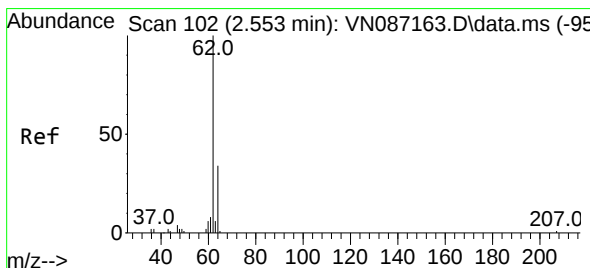
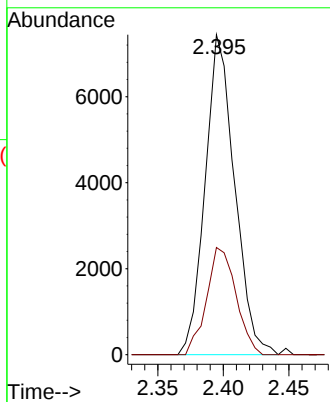
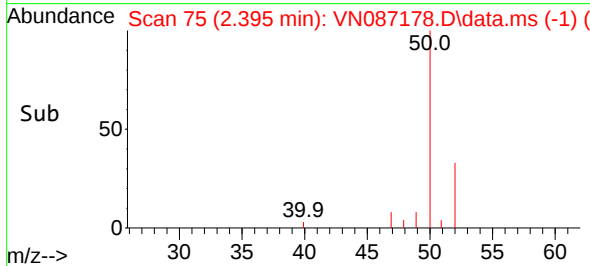
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



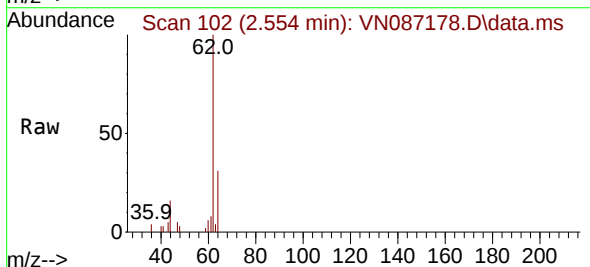
Tgt Ion: 50 Resp: 11640
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9

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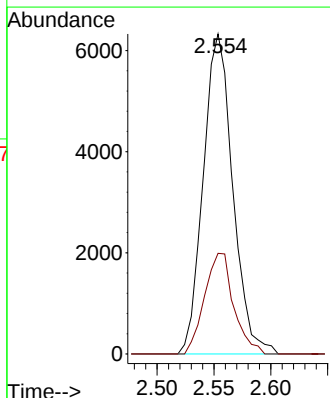
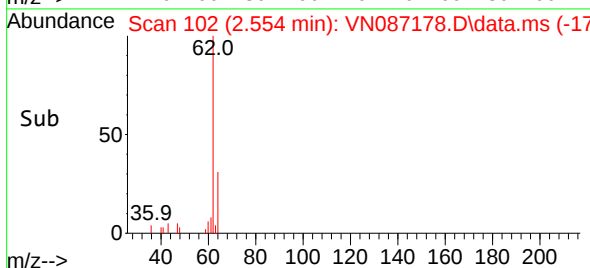
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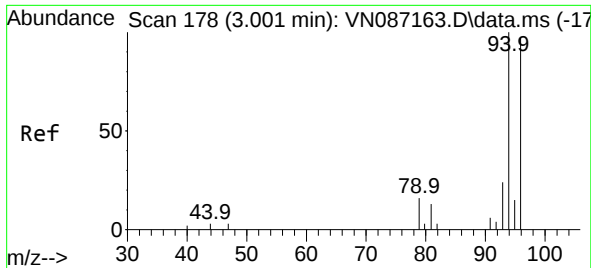


#4
Vinyl Chloride
Concen: 4.777 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20



Tgt Ion: 62 Resp: 11421
Ion Ratio Lower Upper
62 100
64 31.4 27.4 41.2





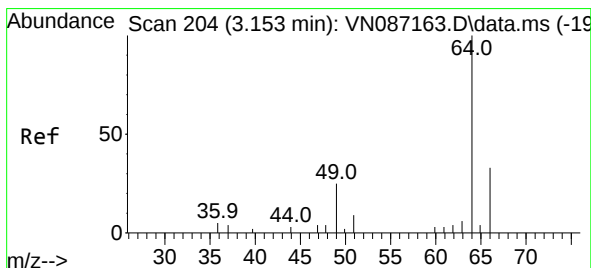
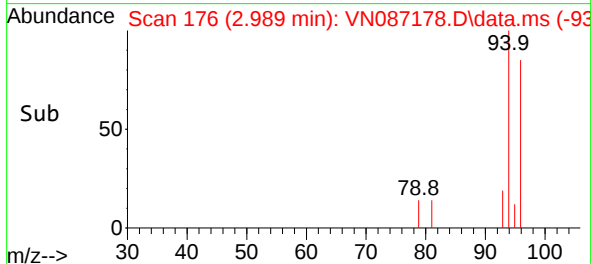
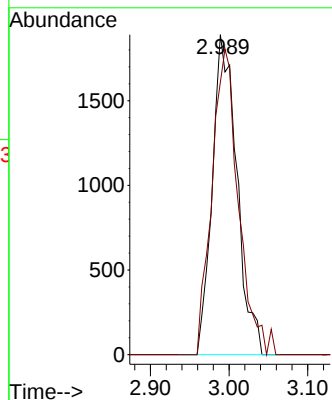
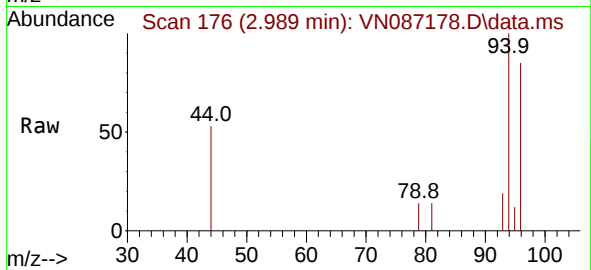
#5
Bromomethane
Concen: 3.225 ug/l m
RT: 2.989 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion: 94 Resp: 4092
Ion Ratio Lower Upper
94 100
96 85.1 77.9 116.9

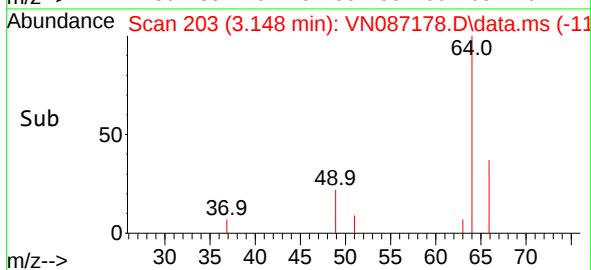
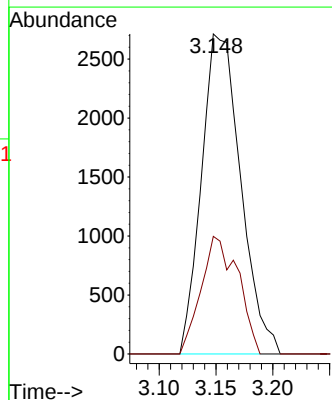
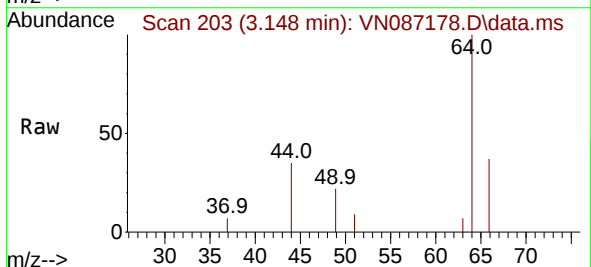
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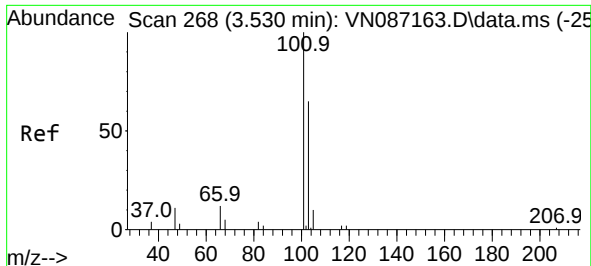
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#6
Chloroethane
Concen: 5.075 ug/l
RT: 3.148 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

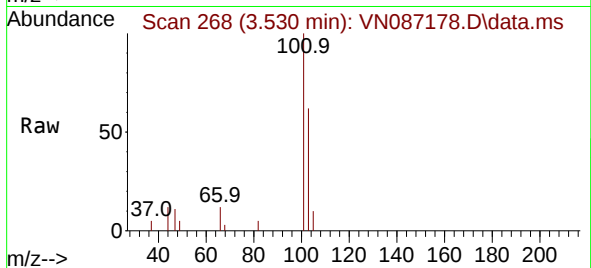
Tgt Ion: 64 Resp: 6509
Ion Ratio Lower Upper
64 100
66 36.7 26.4 39.6





#7
Trichlorofluoromethane
Concen: 4.142 ug/l
RT: 3.530 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

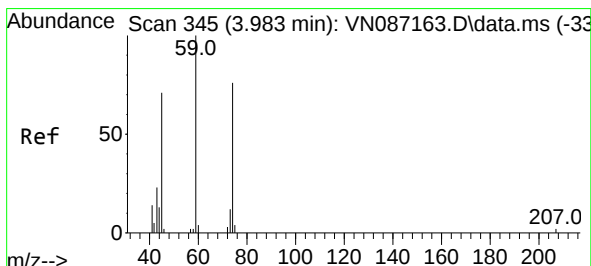
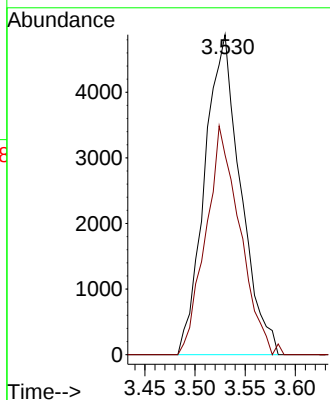
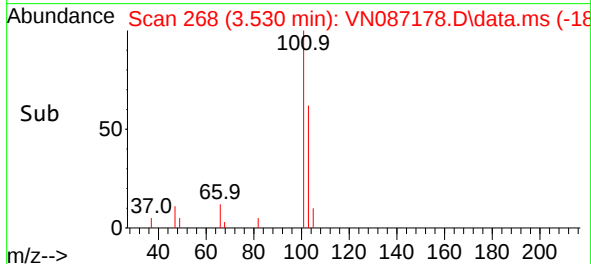
Instrument :
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LOQ-WATER-02-QT2-2025



Tgt Ion:101 Resp: 1214
Ion Ratio Lower Upper
101 100
103 62.4 51.8 77.8

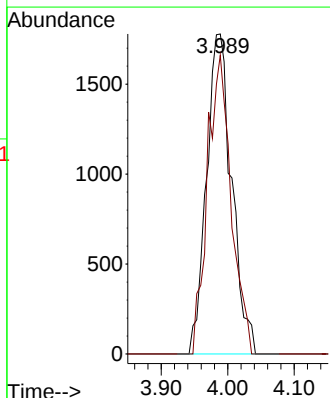
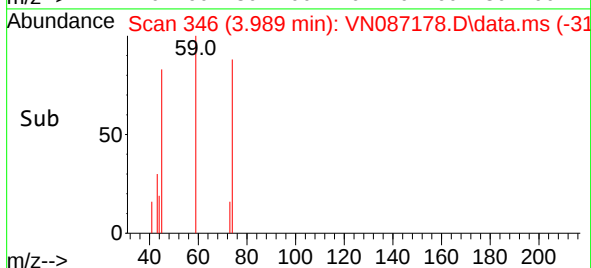
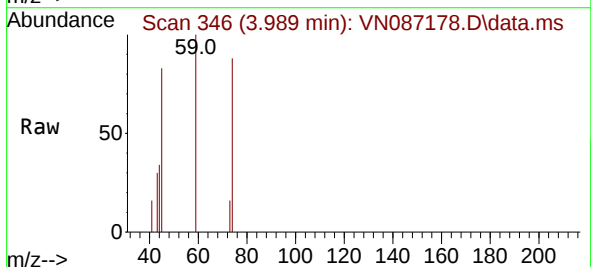
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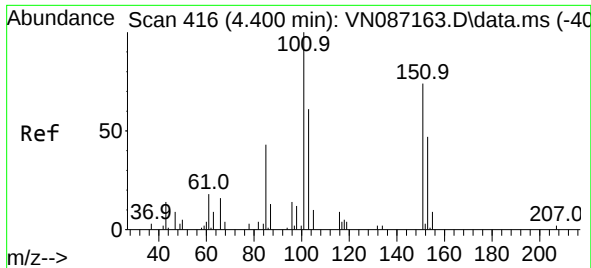
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#8
Diethyl Ether
Concen: 3.247 ug/l m
RT: 3.989 min Scan# 346
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 74 Resp: 4678
Ion Ratio Lower Upper
74 100
45 88.2 19.0 171.0





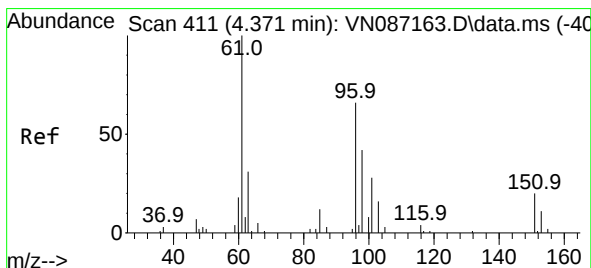
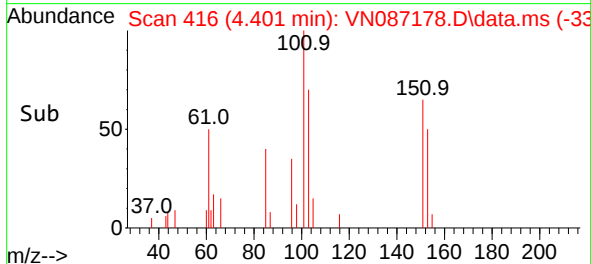
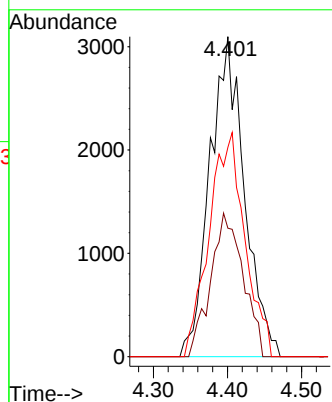
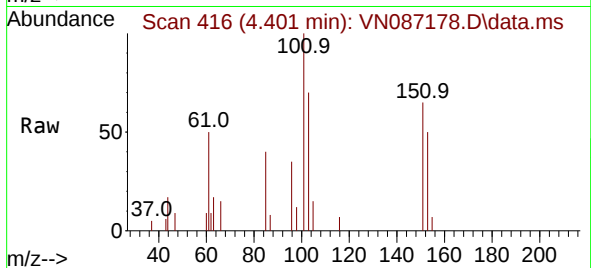
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1,1,2-Trichlorotrifluoroethane
Concen: 4.611 ug/l
RT: 4.401 min Scan# 416
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:101 Resp: 1002
Ion Ratio Lower Upper
101 100
85 37.5 0.0 40.6
151 72.6 0.0 141.2

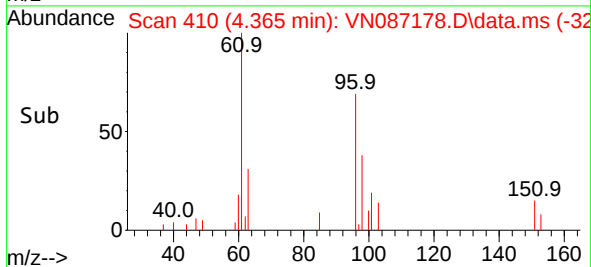
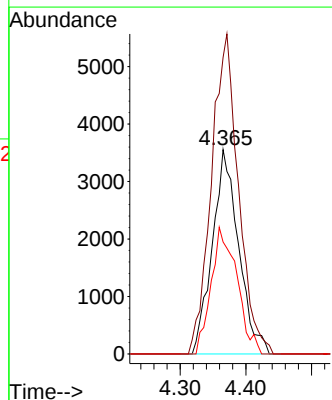
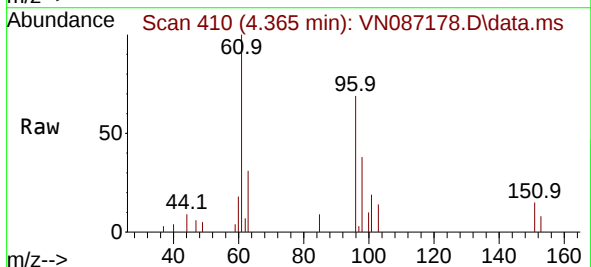
Manual Integrations
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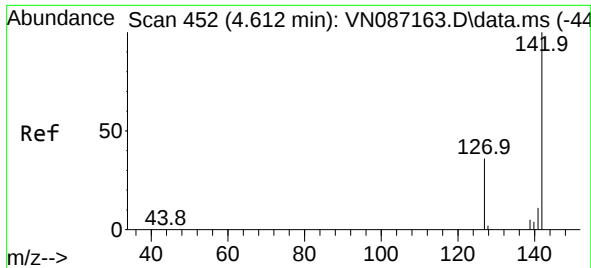
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#10
1,1-Dichloroethene
Concen: 4.565 ug/l m
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

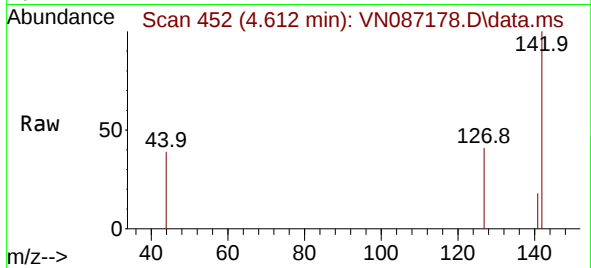
Tgt Ion: 96 Resp: 9894
Ion Ratio Lower Upper
96 100
61 145.1 122.0 183.0
98 54.8 50.3 75.5





#11
Methyl Iodide
Concen: 1.977 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

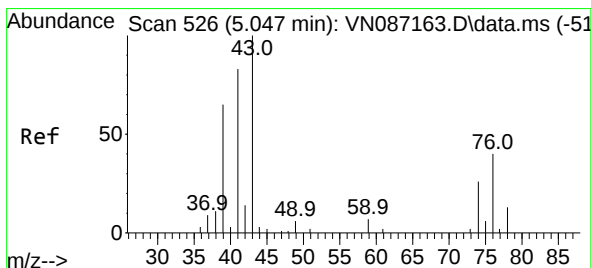
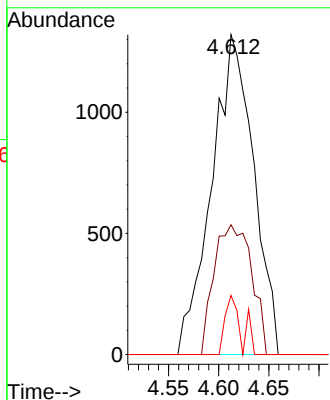
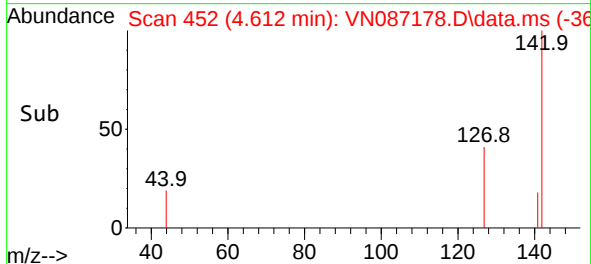
Instrument :
MSVOA_N
Client Sample Id :
LOQ-WATER-02-QT2-2025



Tgt Ion: 142 Resp: 3838
Ion Ratio Lower Upper
142 100
127 40.6 18.1 54.1
141 18.5 5.7 17.1

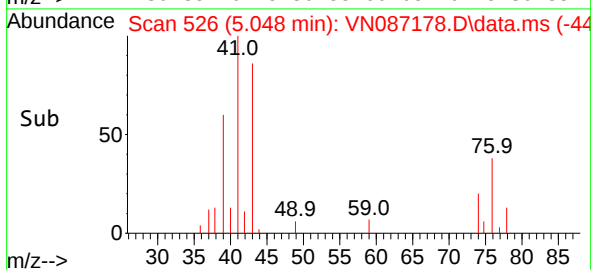
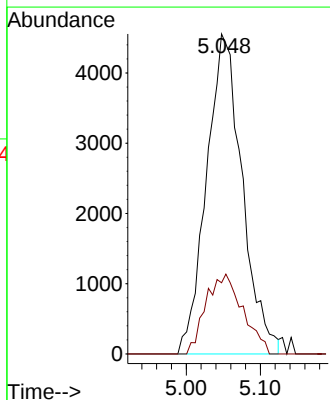
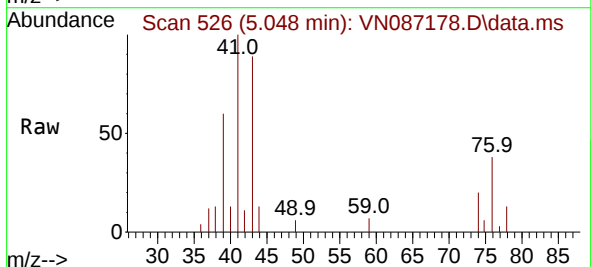
Manual Integrations
APPROVED

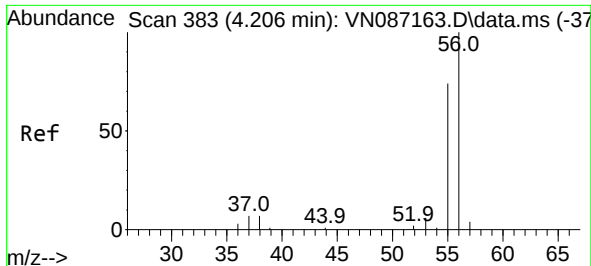
Reviewed By : John Carlone 06/26/2025
Supervised By : Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 4.473 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 43 Resp: 15206
Ion Ratio Lower Upper
43 100
74 22.8 20.3 30.5





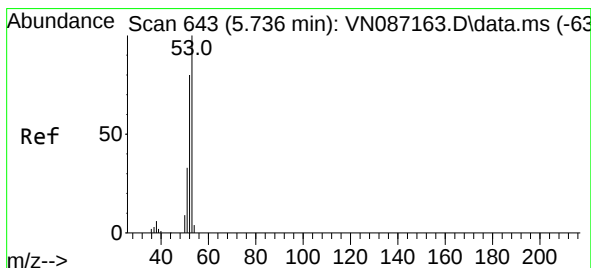
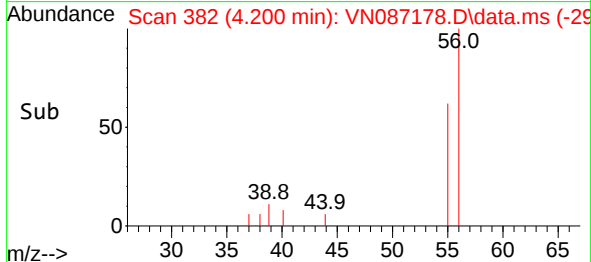
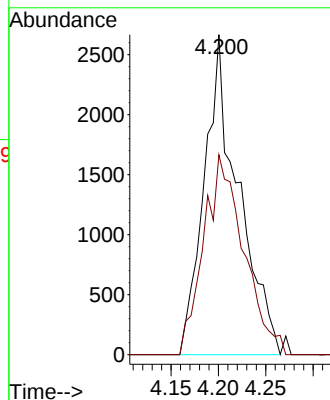
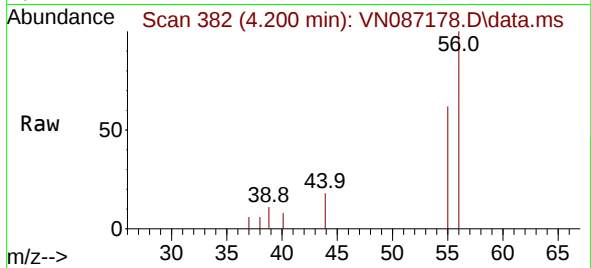
#13
Acrolein
Concen: 12.768 ug/l
RT: 4.200 min Scan# 383
Delta R.T. -0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion: 56 Resp: 6670
Ion Ratio Lower Upper
56 100
55 73.2 55.7 83.5

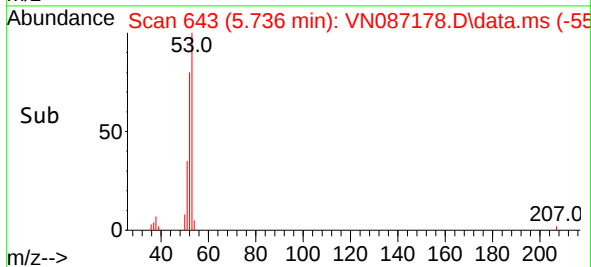
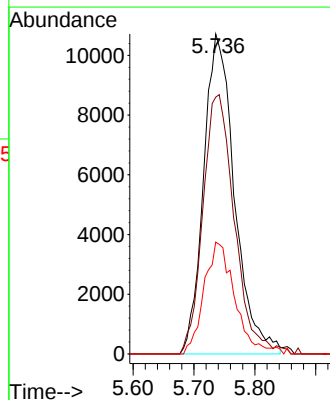
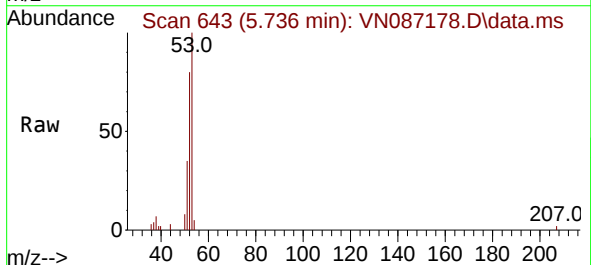
Manual Integrations
APPROVED

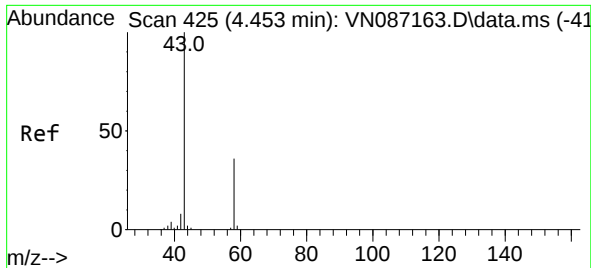
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#14
Acrylonitrile
Concen: 23.841 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 53 Resp: 37806
Ion Ratio Lower Upper
53 100
52 82.0 40.5 121.5
51 34.3 16.9 50.7





#15

Acetone

Concen: 21.217 ug/l

RT: 4.448 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion: 58 Resp: 9814

Ion Ratio Lower Upper

58 100

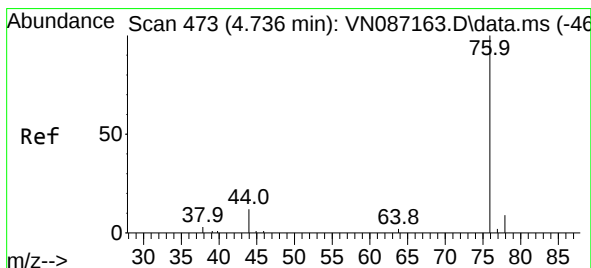
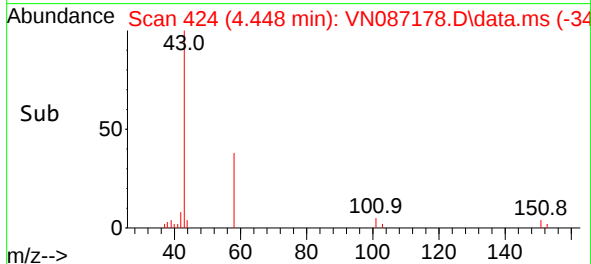
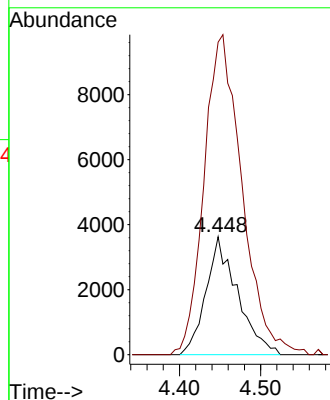
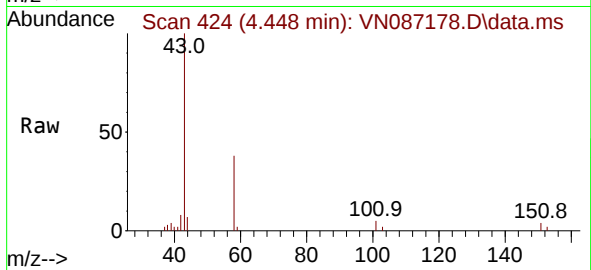
43 259.7 224.3 336.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#16

Carbon Disulfide

Concen: 5.343 ug/l

RT: 4.736 min Scan# 473

Delta R.T. 0.000 min

Lab File: VN087178.D

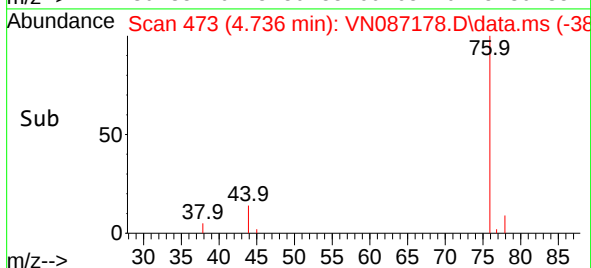
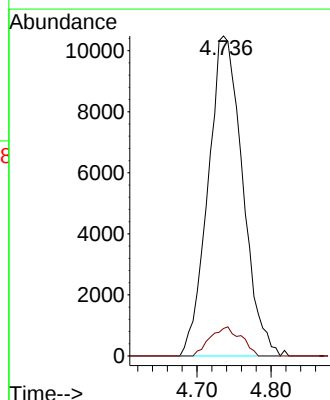
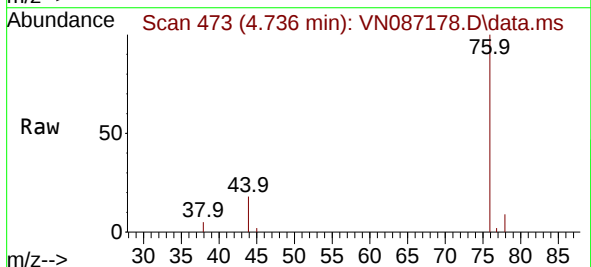
Acq: 25 Jun 2025 15:20

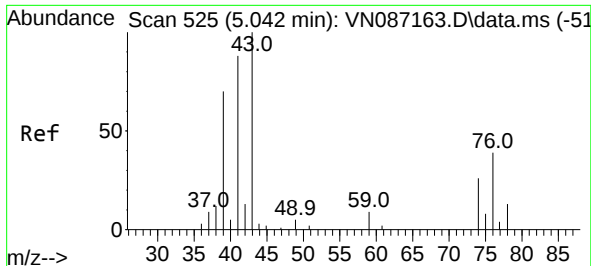
Tgt Ion: 76 Resp: 33858

Ion Ratio Lower Upper

76 100

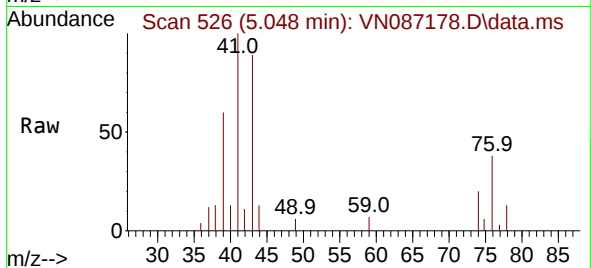
78 8.6 7.2 10.8





#17
 Allyl chloride
 Concen: 4.918 ug/l
 RT: 5.048 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

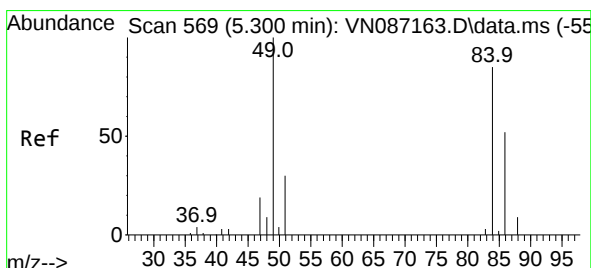
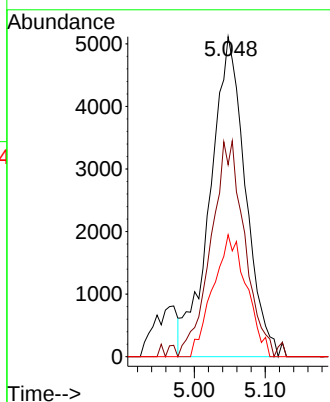
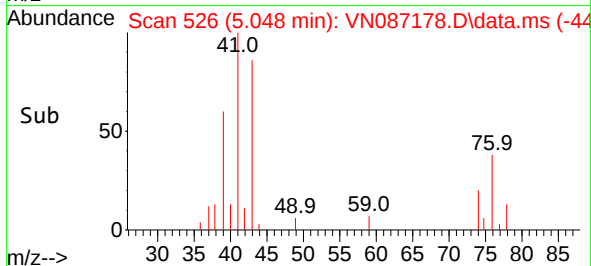
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025



Tgt Ion: 41 Resp: 17580
 Ion Ratio Lower Upper
 41 100
 39 60.0 36.0 108.0
 76 38.1 19.5 58.5

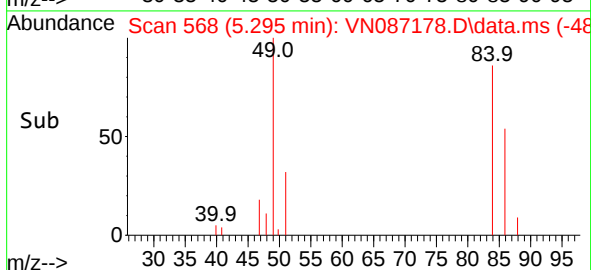
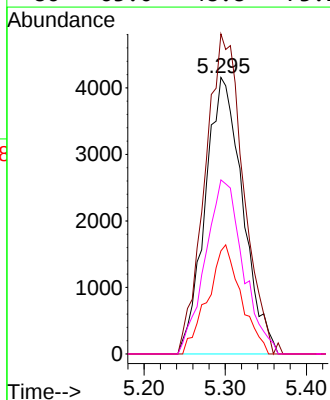
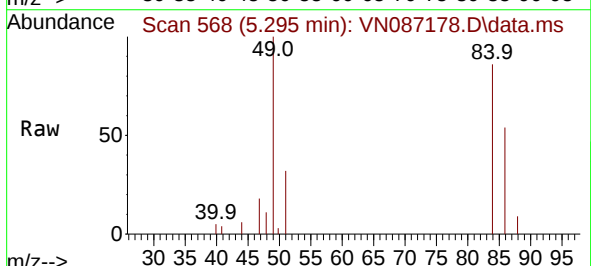
Manual Integrations
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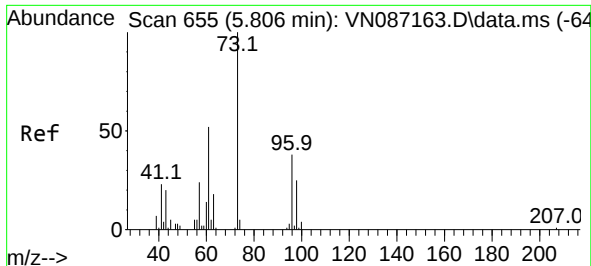
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#18
 Methylene Chloride
 Concen: 5.303 ug/l
 RT: 5.295 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

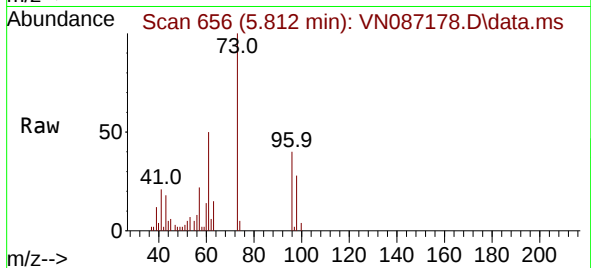
Tgt Ion: 84 Resp: 13314
 Ion Ratio Lower Upper
 84 100
 49 115.8 94.0 141.0
 51 37.3 28.3 42.5
 86 63.0 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 5.036 ug/l
RT: 5.812 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

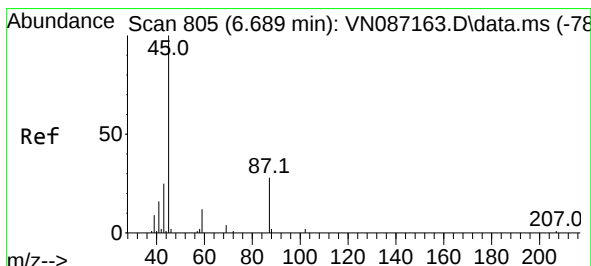
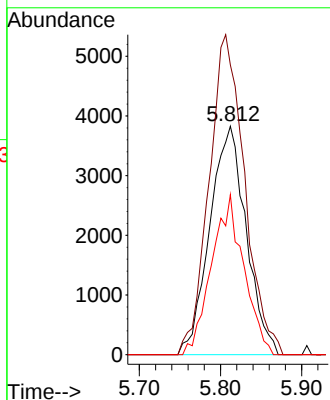
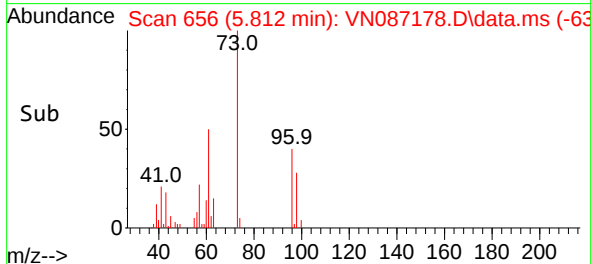
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2025



Tgt Ion: 96 Resp: 1193
Ion Ratio Lower Upper
96 100
61 126.8 110.3 165.5
98 70.1 51.6 77.4

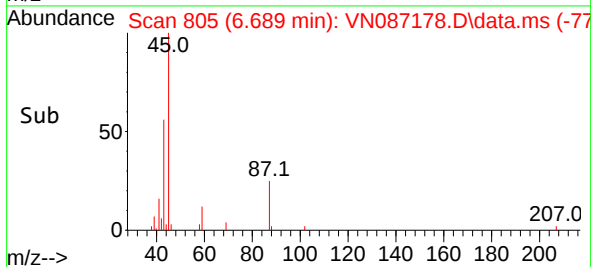
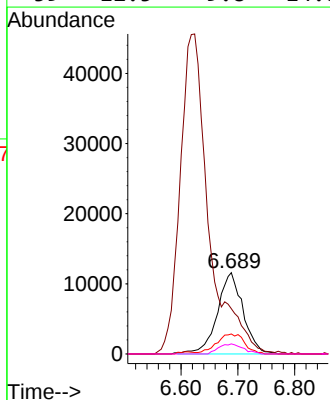
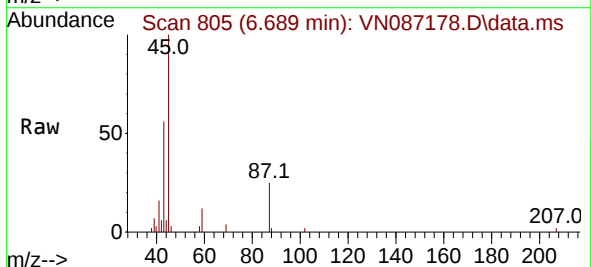
Manual Integrations
APPROVED

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



#20
Diisopropyl ether
Concen: 4.808 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 45 Resp: 36469
Ion Ratio Lower Upper
45 100
43 52.3 45.3 67.9
87 24.6 22.6 33.8
59 12.5 9.8 14.8





#21

1,1-Dichloroethane

Concen: 4.878 ug/l

RT: 6.589 min Scan# 787

Delta R.T. 0.006 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

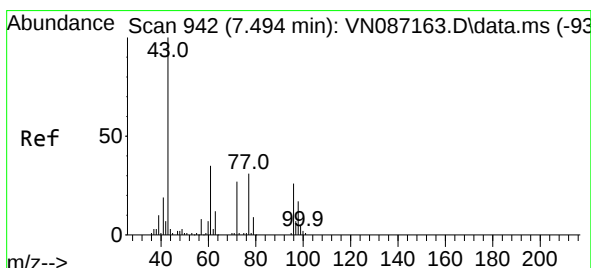
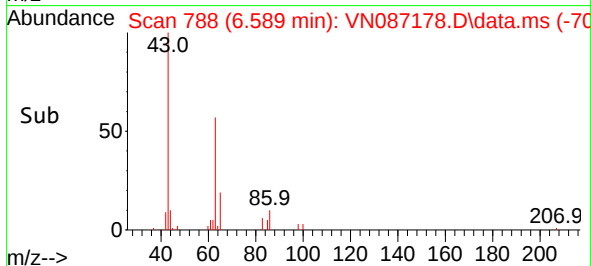
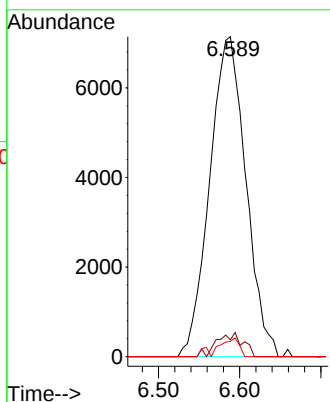
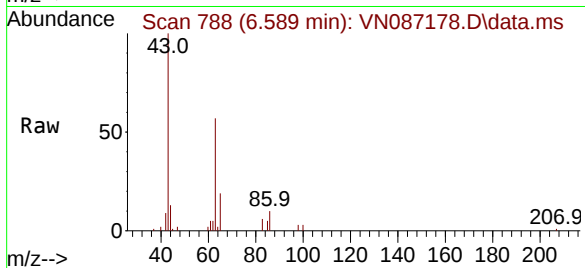
Tgt Ion:	63	Resp:	2211
Ion Ratio	Lower	Upper	
63	100		
98	5.3	3.5	10.4
100	4.8	2.0	5.8

Manual Integrations

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Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#22

cis-1,2-Dichloroethene

Concen: 4.933 ug/l

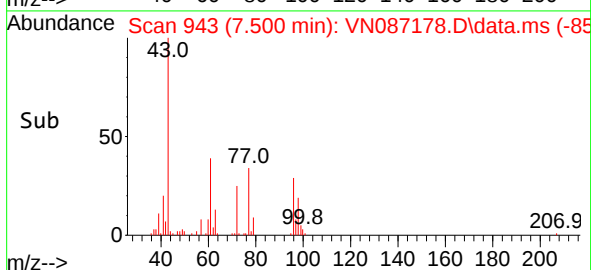
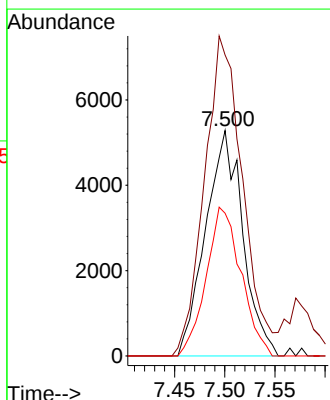
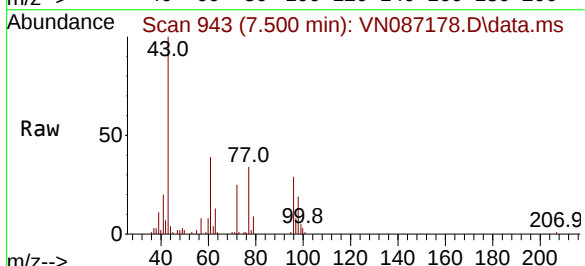
RT: 7.500 min Scan# 943

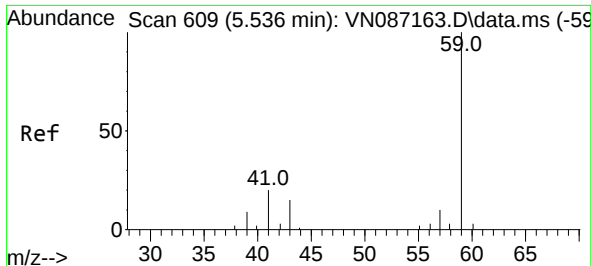
Delta R.T. 0.006 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

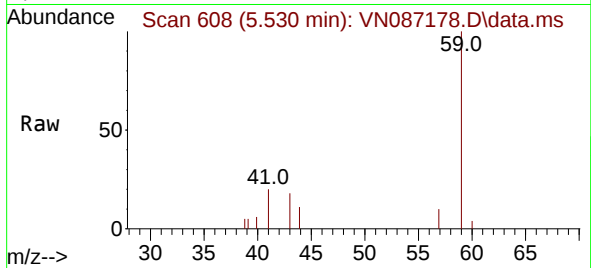
Tgt Ion:	96	Resp:	13607
Ion Ratio	Lower	Upper	
96	100		
61	144.8	119.2	178.8
98	62.1	50.6	75.8





#23
 tert-Butyl Alcohol
 Concen: 23.436 ug/l m
 RT: 5.530 min Scan# 609
 Delta R.T. -0.006 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

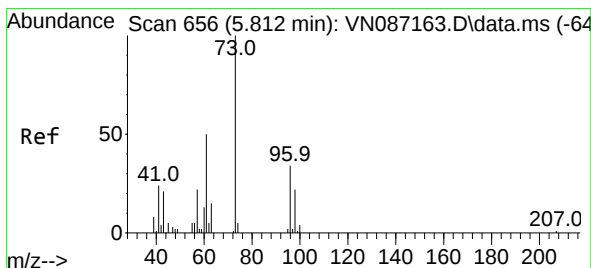
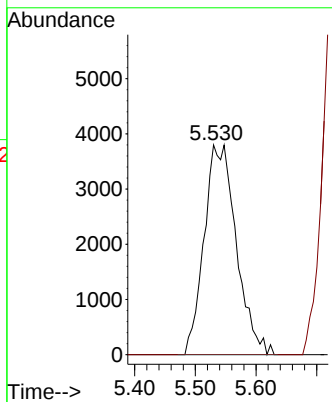
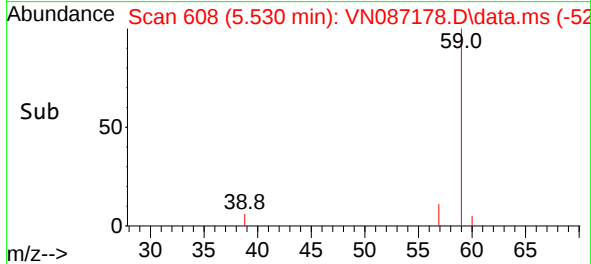
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025



Tgt Ion: 59 Resp: 13970
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

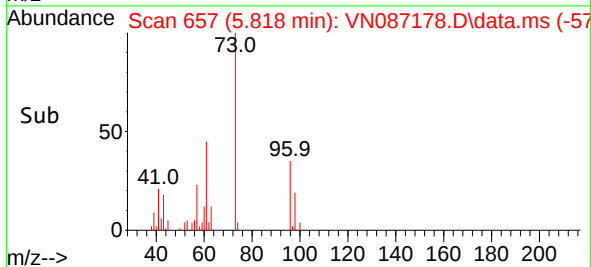
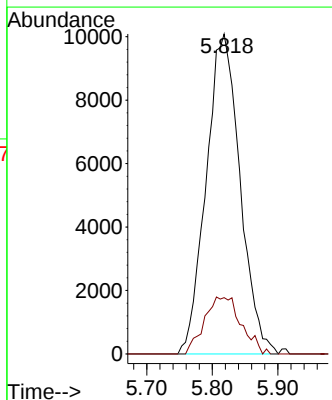
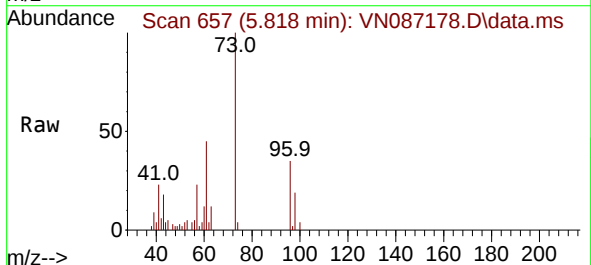
Manual Integrations
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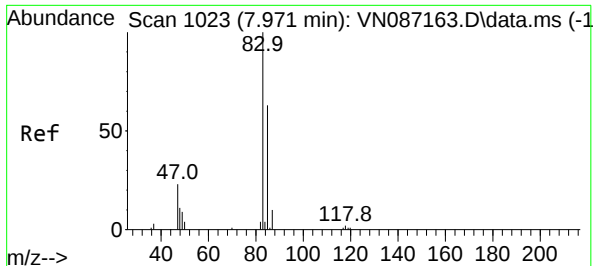
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#24
 Methyl tert-Butyl Ether
 Concen: 4.757 ug/l
 RT: 5.818 min Scan# 657
 Delta R.T. 0.006 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

Tgt Ion: 73 Resp: 36160
 Ion Ratio Lower Upper
 73 100
 43 12.7 16.4 24.6#





#25

Chloroform

Concen: 4.775 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion: 83 Resp: 20738

Ion Ratio Lower Upper

83 100

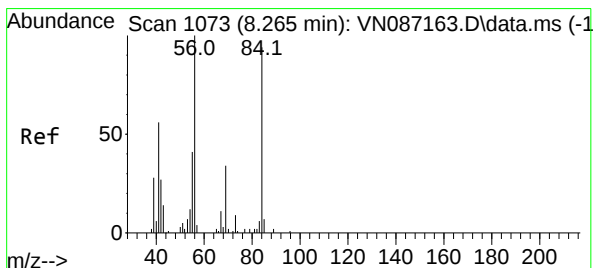
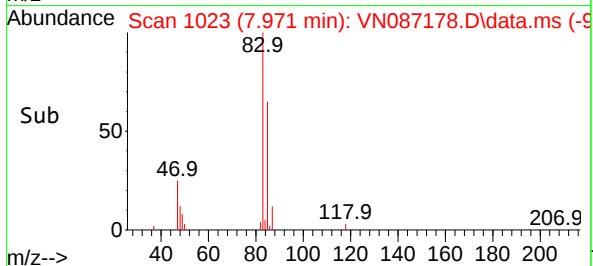
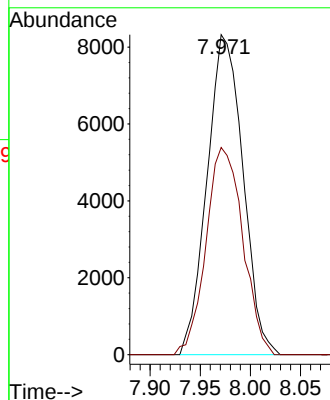
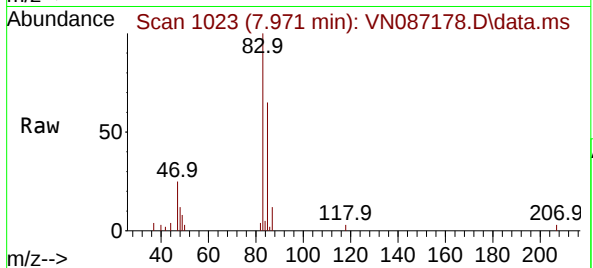
85 64.8 50.7 76.1

Manual Integrations

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Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#26

Cyclohexane

Concen: 4.789 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

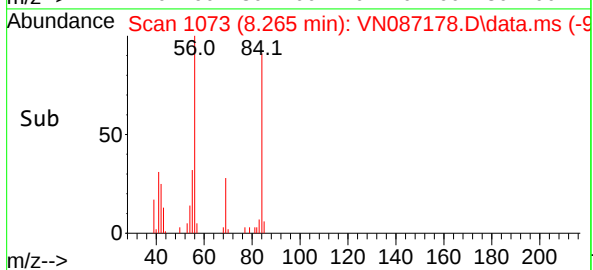
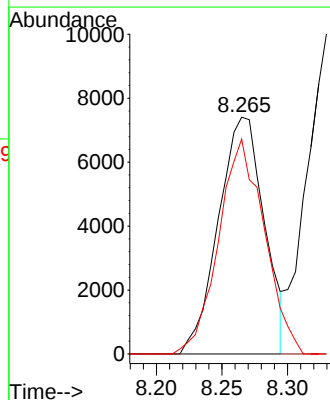
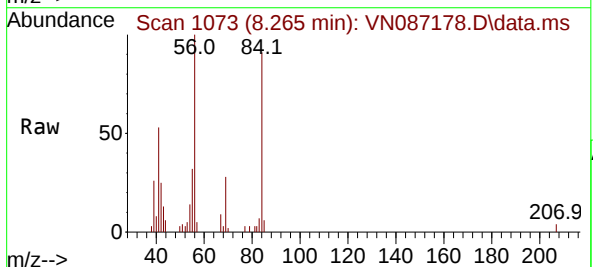
Tgt Ion: 56 Resp: 18046

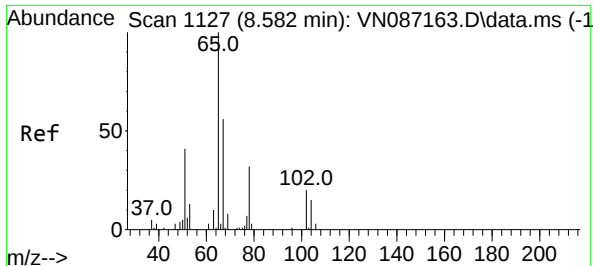
Ion Ratio Lower Upper

56 100

89 0.0 6.9 10.3#

84 90.1 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 30.197 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

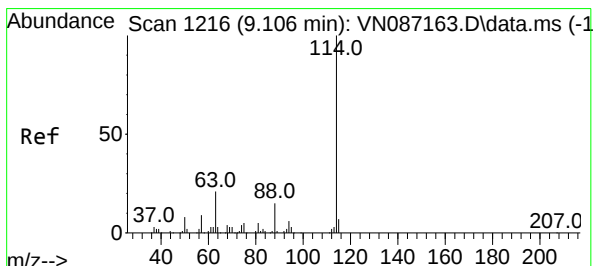
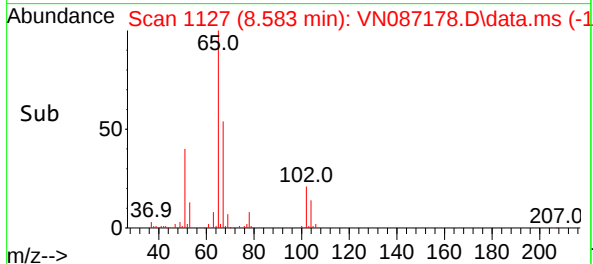
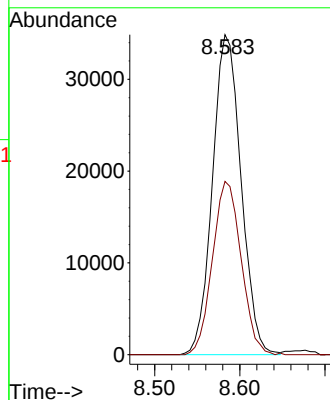
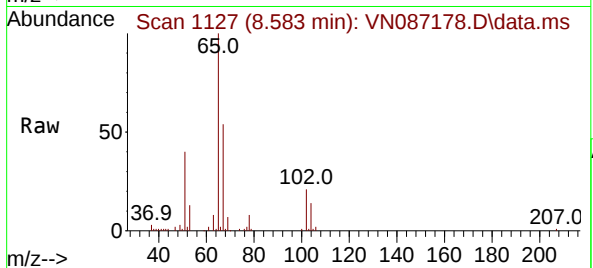
ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion: 65 Resp: 81404
 Ion Ratio Lower Upper
 65 100
 67 54.1 41.9 62.9

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



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

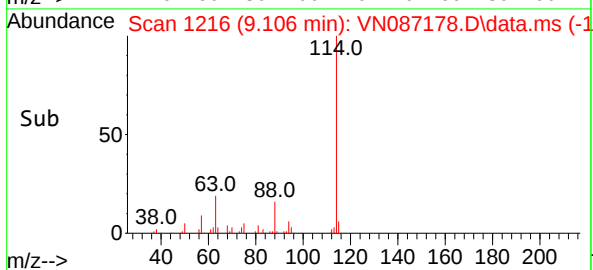
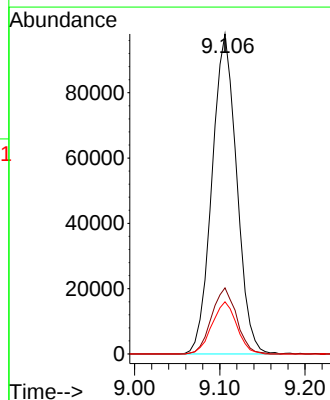
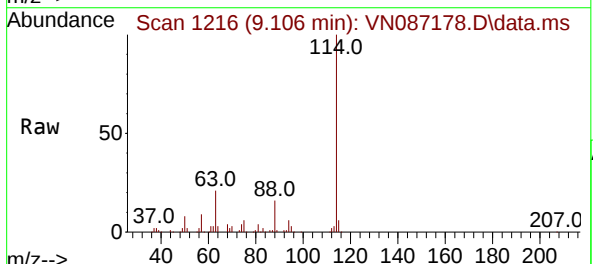
RT: 9.106 min Scan# 1216

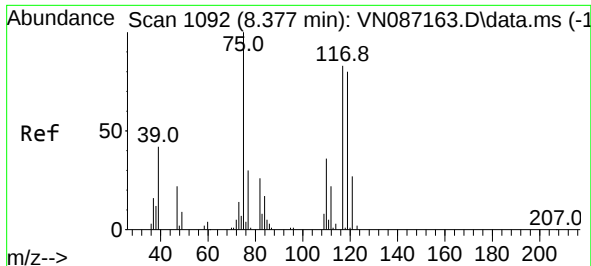
Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

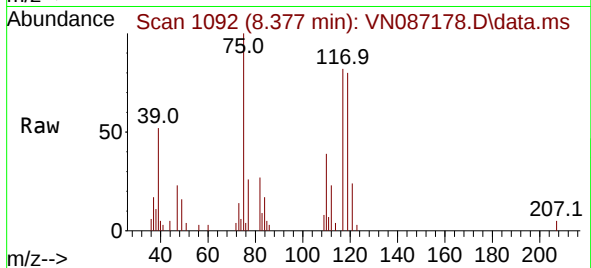
Tgt Ion:114 Resp: 197443
 Ion Ratio Lower Upper
 114 100
 63 20.8 17.0 25.4
 88 16.3 12.6 19.0





#29
1,1-Dichloropropene
Concen: 4.931 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

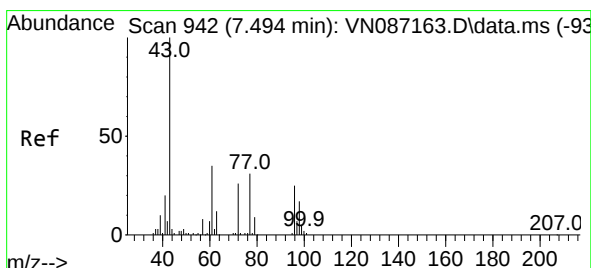
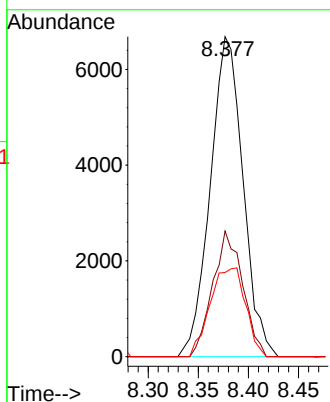
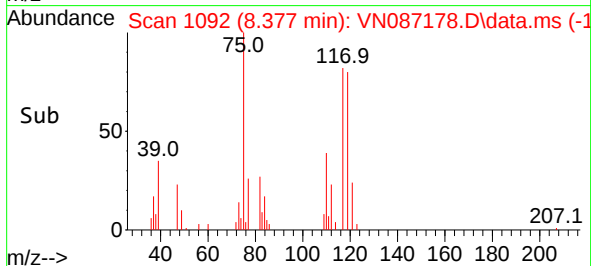
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 75 Resp: 15170
Ion Ratio Lower Upper
75 100
110 35.9 0.0 69.2
77 30.0 0.0 61.8

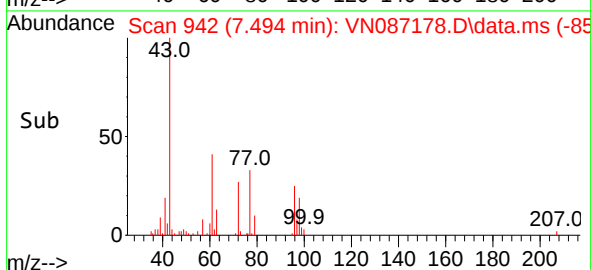
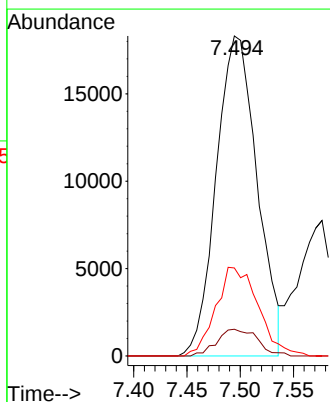
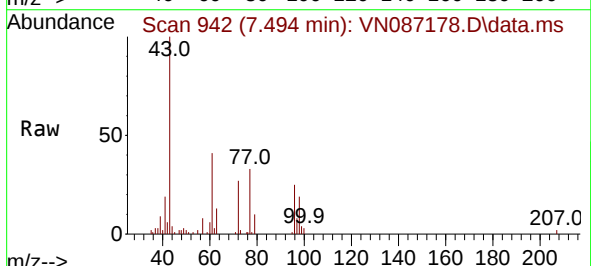
Manual Integrations
APPROVED

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



#30
2-Butanone
Concen: 23.569 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 43 Resp: 48927
Ion Ratio Lower Upper
43 100
57 6.1 6.3 9.5#
72 28.7 21.8 32.6





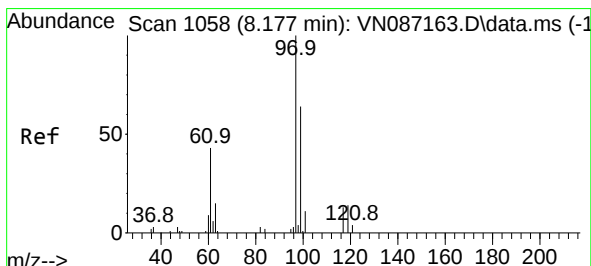
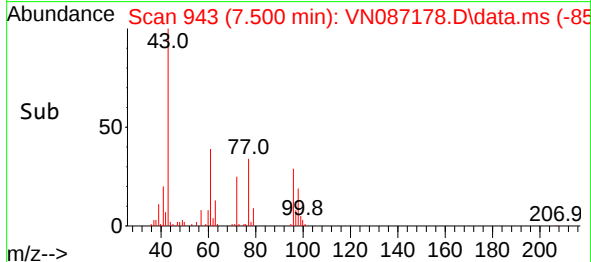
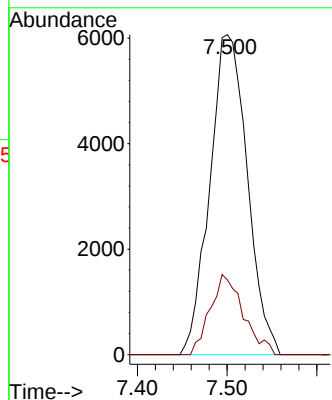
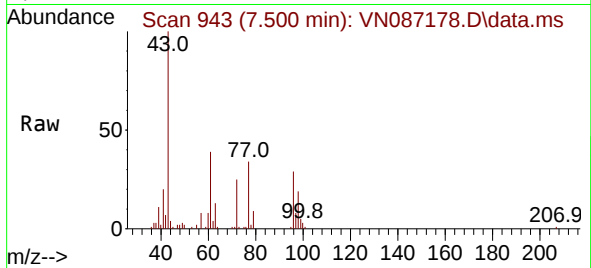
#31
2,2-Dichloropropane
Concen: 4.746 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion: 77 Resp: 1763
Ion Ratio Lower Upper
77 100
97 21.2 18.4 27.6

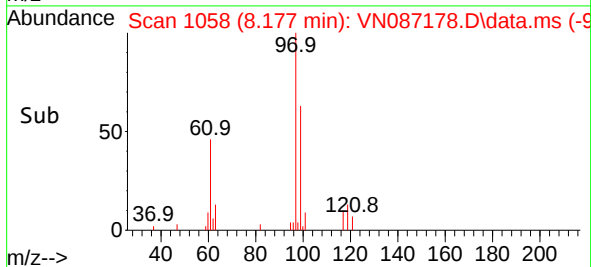
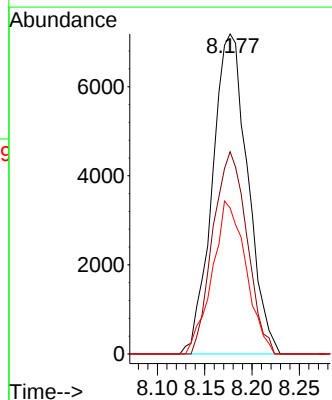
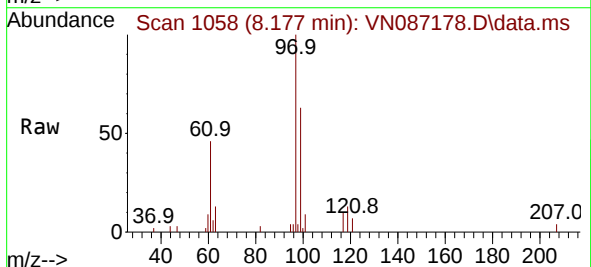
Manual Integrations
APPROVED

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



#32
1,1,1-Trichloroethane
Concen: 5.186 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

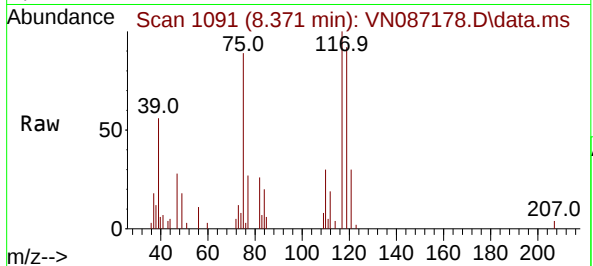
Tgt Ion: 97 Resp: 18646
Ion Ratio Lower Upper
97 100
99 60.9 50.8 76.2
61 45.6 36.1 54.1





#33
Carbon Tetrachloride
Concen: 5.007 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

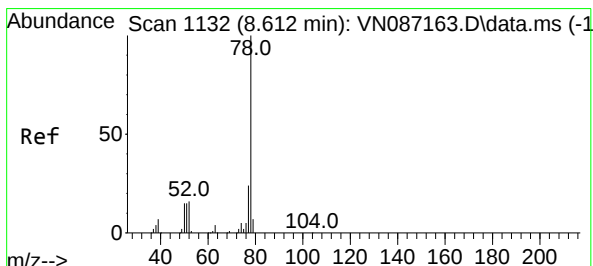
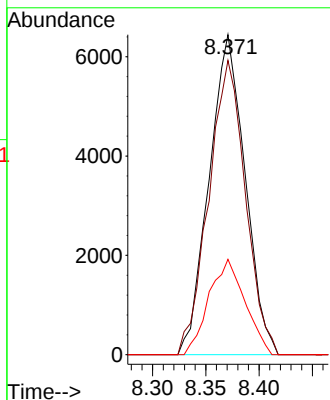
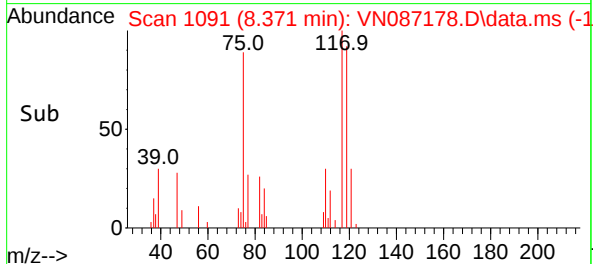
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2025



Tgt Ion: 117 Resp: 15148
Ion Ratio Lower Upper
117 100
119 92.0 75.8 113.6
121 29.8 26.2 39.4

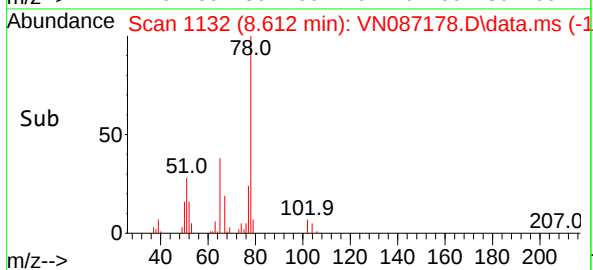
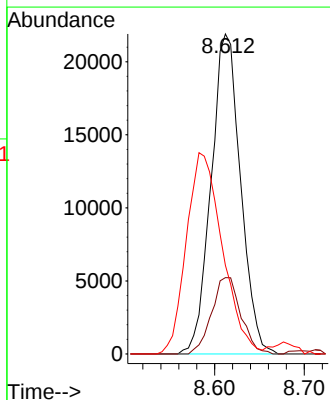
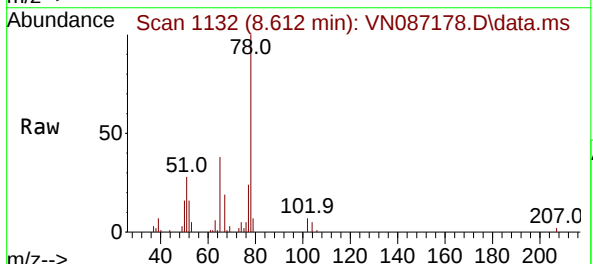
Manual Integrations
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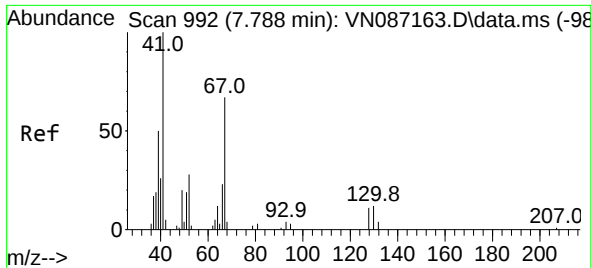
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 5.121 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

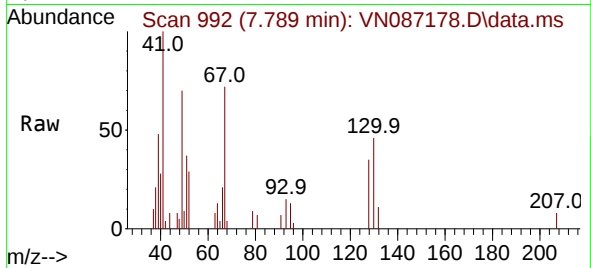
Tgt Ion: 78 Resp: 49923
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3
51 24.9 14.8 22.2#





#35
Methacrylonitrile
Concen: 4.922 ug/l
RT: 7.789 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

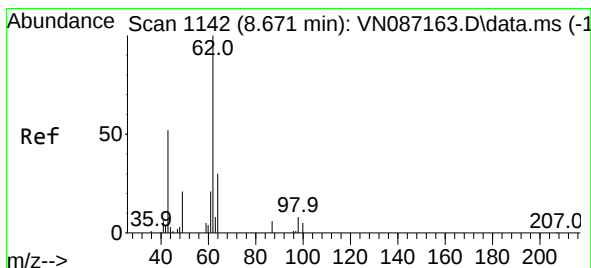
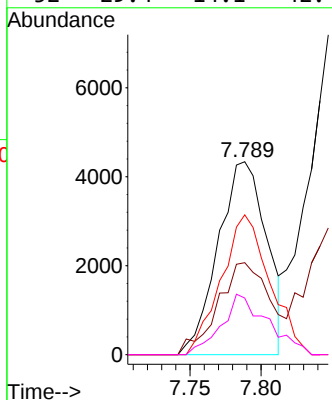
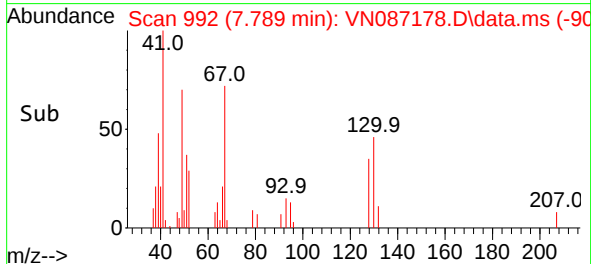
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion	Ratio	Lower	Upper
41	100		
39	47.7	24.4	73.2
67	72.4	33.3	99.8
52	29.4	14.1	42.4

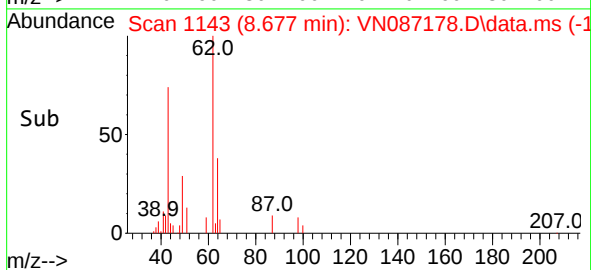
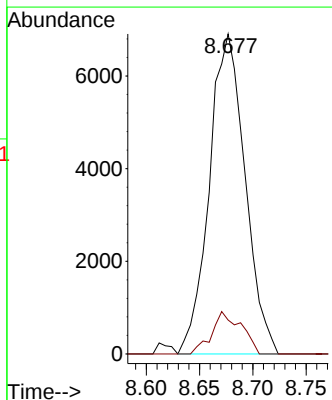
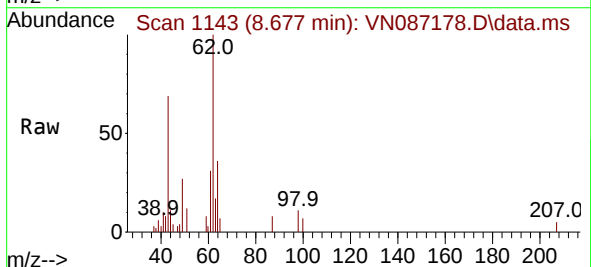
Manual Integrations
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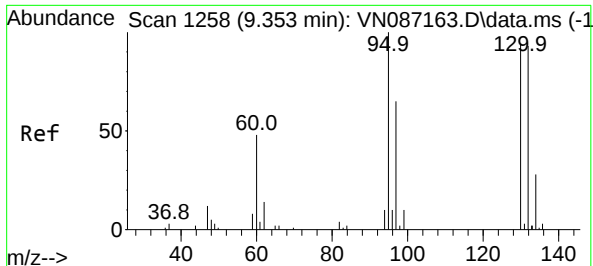
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#36
1,2-Dichloroethane
Concen: 5.116 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	7.2	10.8





#37

Trichloroethene

Concen: 5.014 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion:130 Resp: 11270

Ion Ratio Lower Upper

130 100

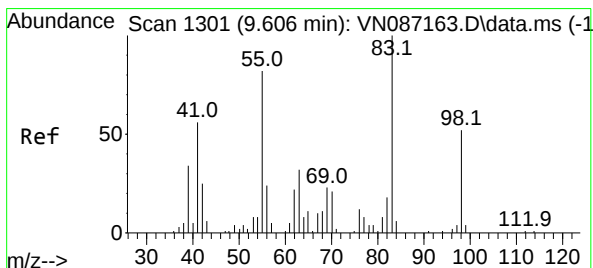
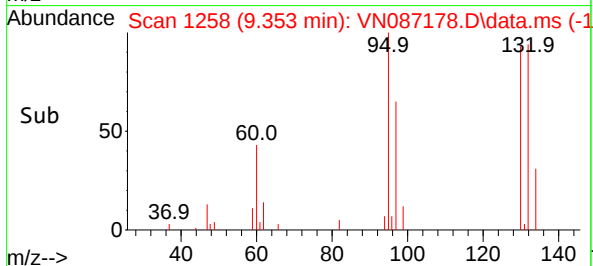
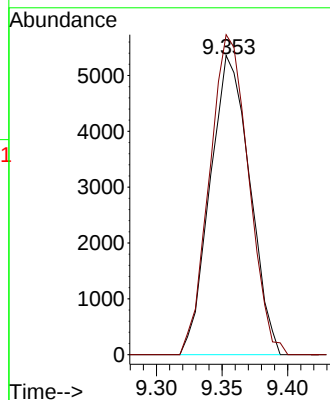
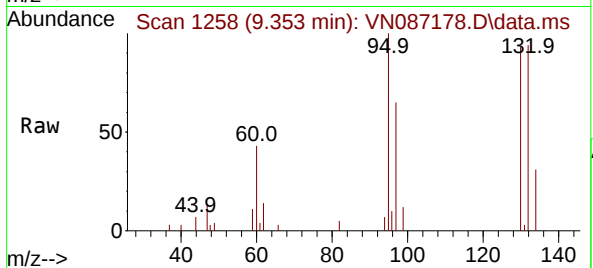
95 107.0 85.3 127.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#38

Methylcyclohexane

Concen: 4.763 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

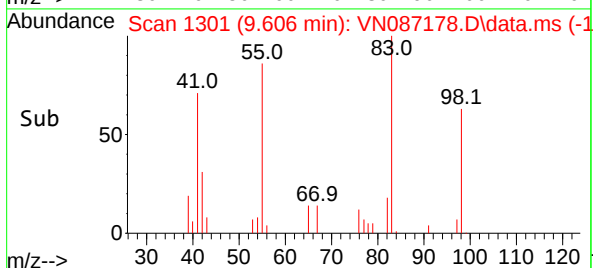
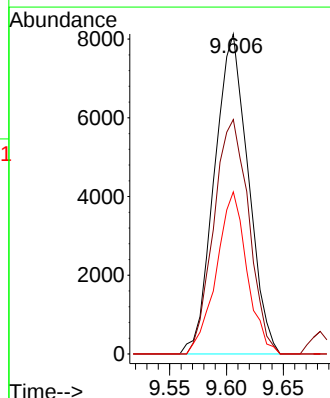
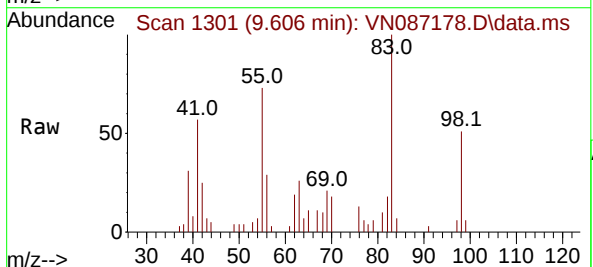
Tgt Ion: 83 Resp: 16817

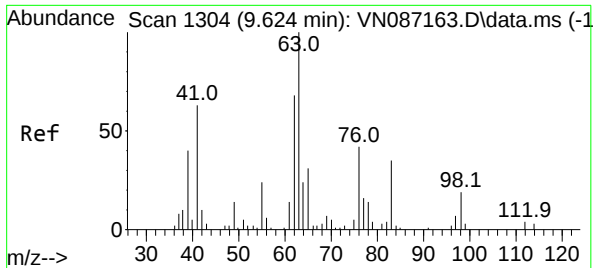
Ion Ratio Lower Upper

83 100

55 76.0 40.1 120.2

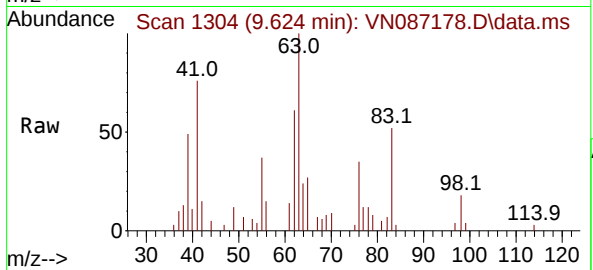
98 46.0 24.4 73.2





#39
1,2-Dichloropropane
Concen: 5.023 ug/l
RT: 9.624 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

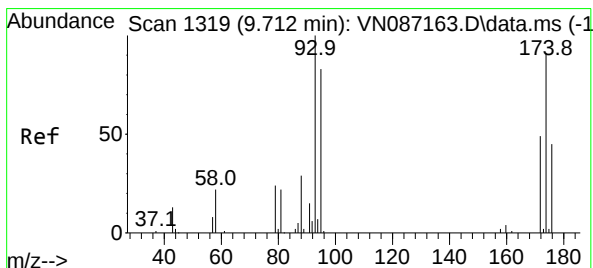
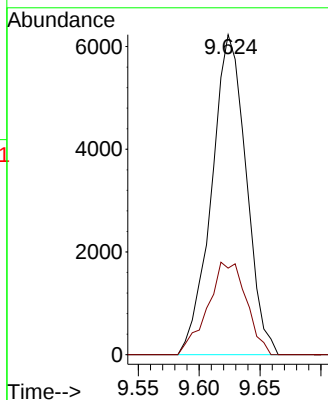
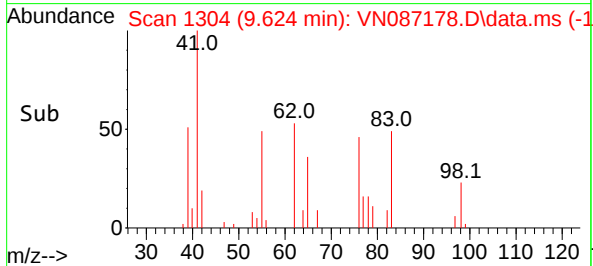
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 63 Resp: 1229
Ion Ratio Lower Upper
63 100
65 27.1 24.6 36.8

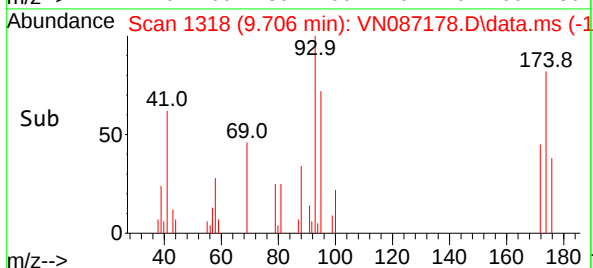
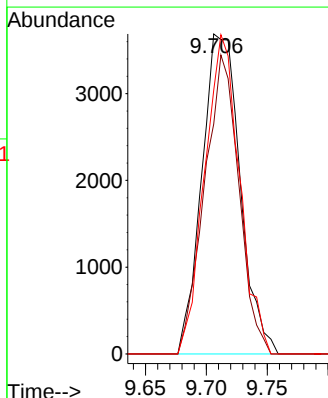
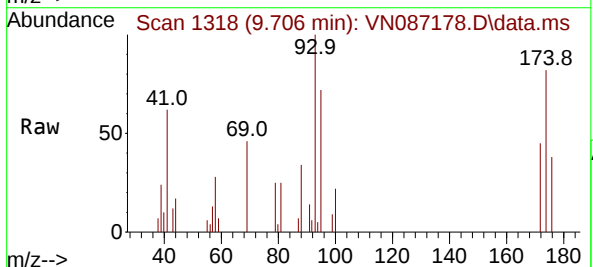
Manual Integrations
APPROVED

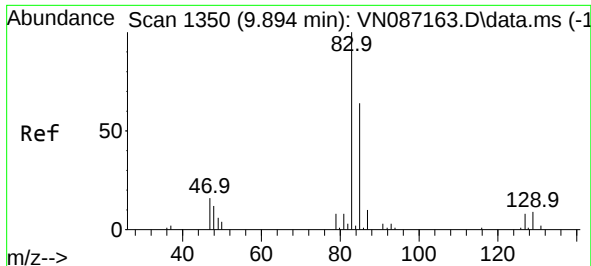
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#40
Dibromomethane
Concen: 4.845 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

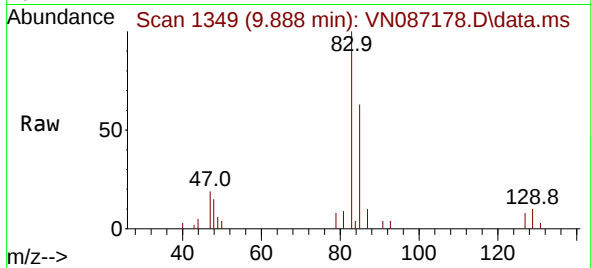
Tgt Ion: 93 Resp: 8061
Ion Ratio Lower Upper
93 100
95 83.7 0.0 170.8
174 90.9 0.0 176.6





#41
Bromodichloromethane
Concen: 4.986 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

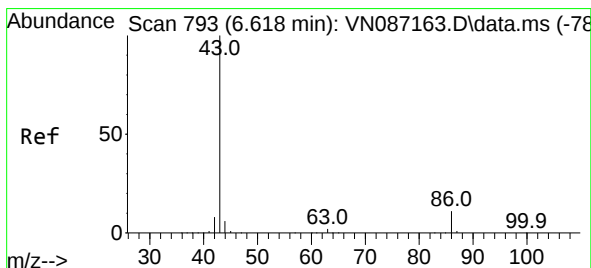
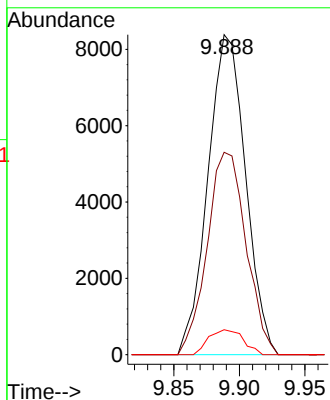
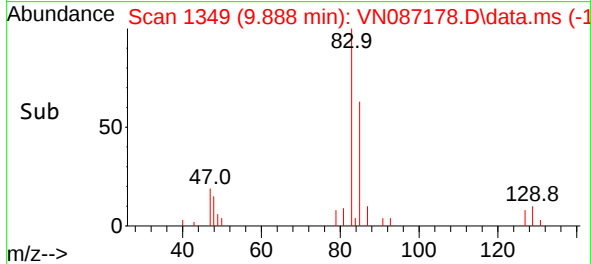
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 83 Resp: 1674
Ion Ratio Lower Upper
83 100
85 63.3 51.4 77.2
127 7.8 6.1 9.1

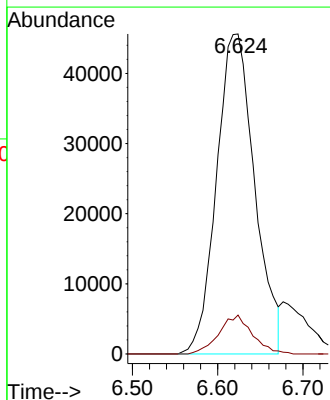
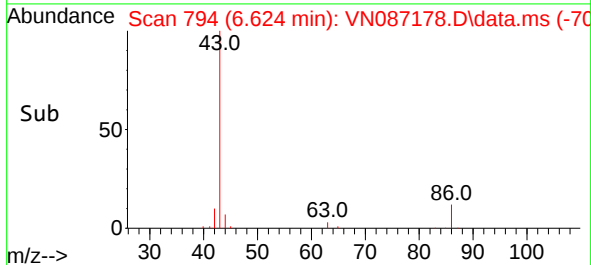
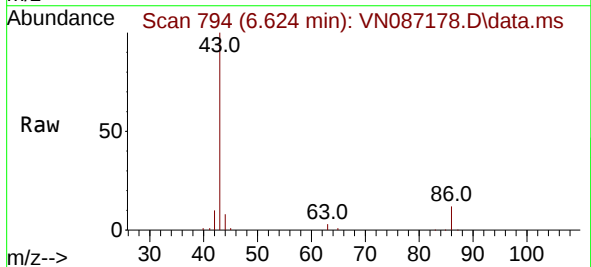
Manual Integrations
APPROVED

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



#42
Vinyl Acetate
Concen: 21.055 ug/l
RT: 6.624 min Scan# 794
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

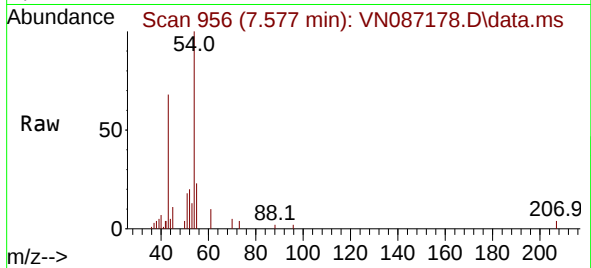
Tgt Ion: 43 Resp: 142160
Ion Ratio Lower Upper
43 100
86 10.6 7.7 11.5





#43
Ethyl Acetate
Concen: 5.703 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

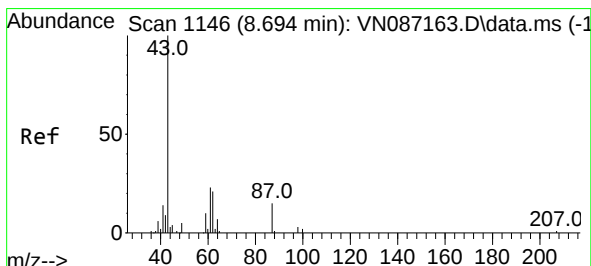
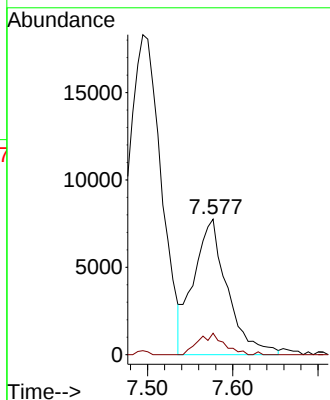
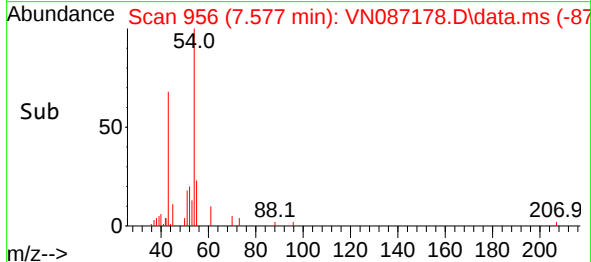
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 43 Resp: 21370
Ion Ratio Lower Upper
43 100
45 6.4 11.5 17.3

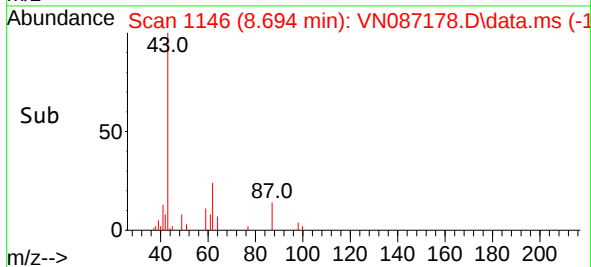
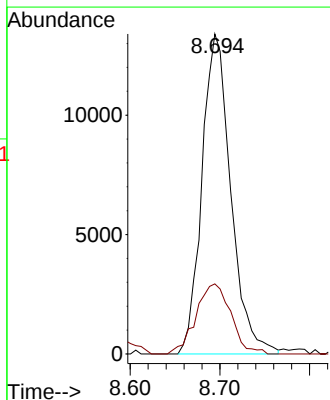
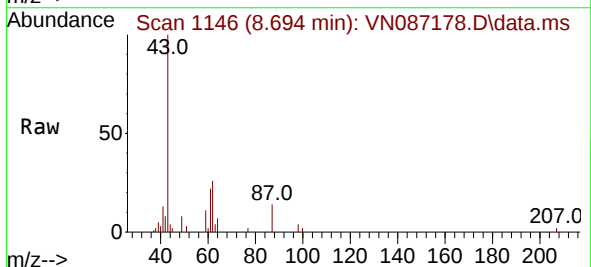
Manual Integrations
APPROVED

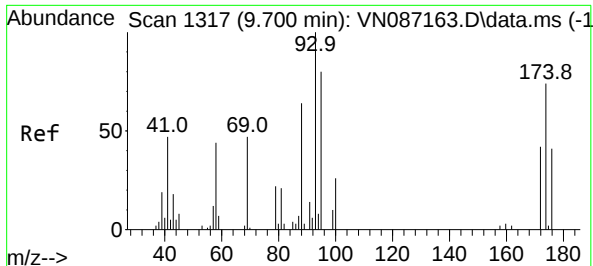
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#44
Isopropyl Acetate
Concen: 4.907 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

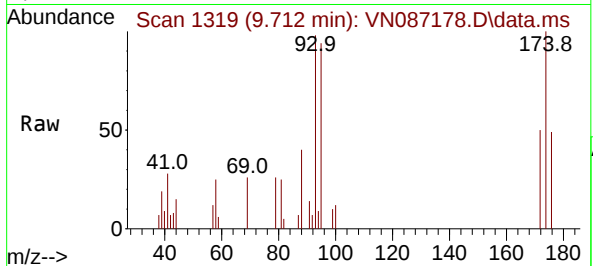
Tgt Ion: 43 Resp: 29960
Ion Ratio Lower Upper
43 100
61 26.5 20.5 30.7





#45
1,4-Dioxane
Concen: 92.465 ug/l m
RT: 9.712 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

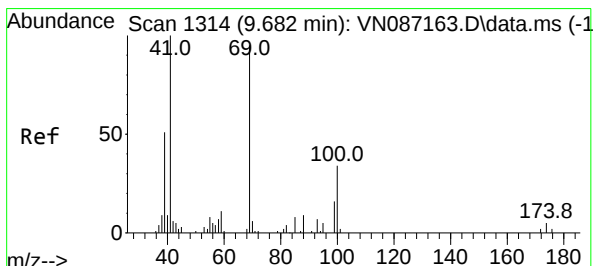
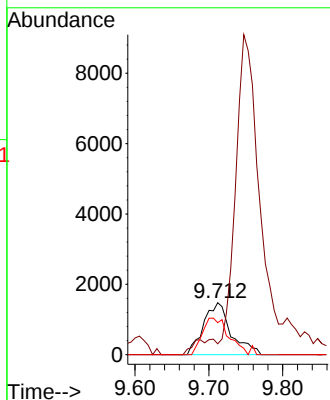
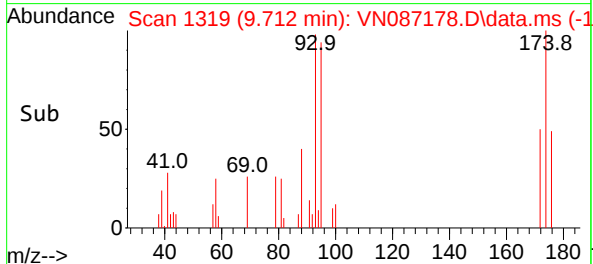
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 88 Resp: 3819
Ion Ratio Lower Upper
88 100
43 3.5 21.3 31.9
58 41.1 61.7 92.5

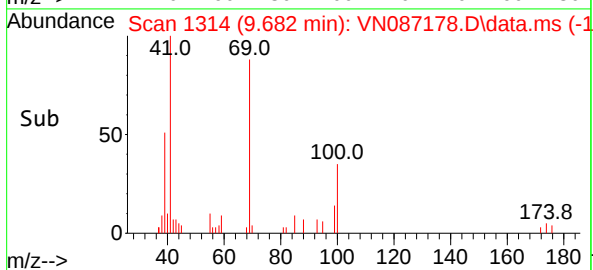
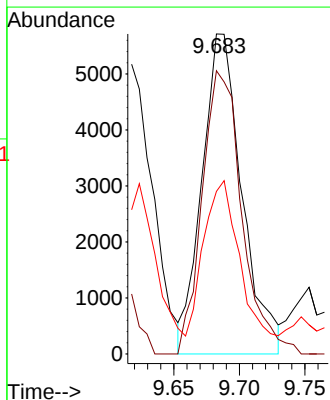
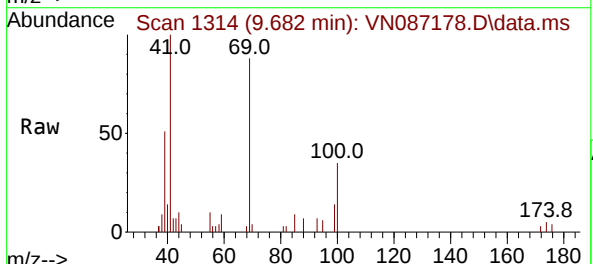
Manual Integrations
APPROVED

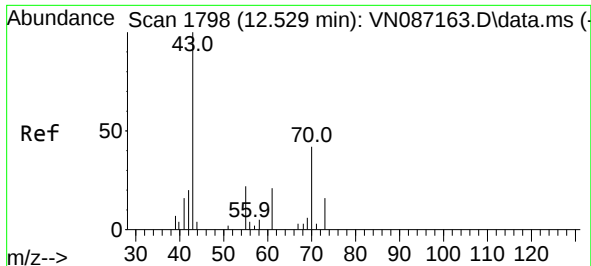
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#46
Methyl methacrylate
Concen: 4.269 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 41 Resp: 12118
Ion Ratio Lower Upper
41 100
69 97.3 45.6 136.9
39 49.6 26.2 78.5





#47

n-amy1 Acetate

Concen: 7.324 ug/l m

RT: 12.694 min Scan# 11

Delta R.T. 0.165 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion: 43 Resp: 27340

Ion Ratio Lower Upper

43 100

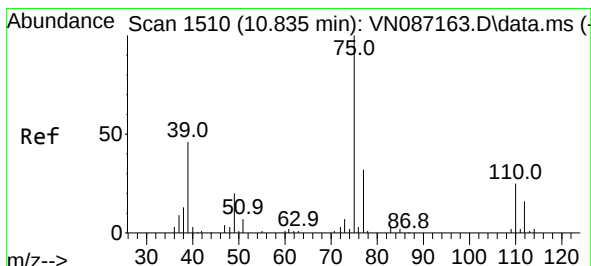
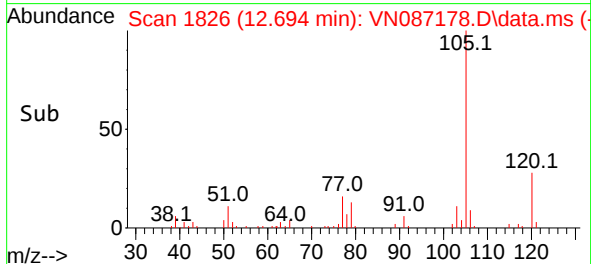
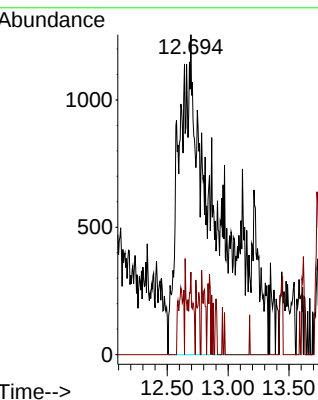
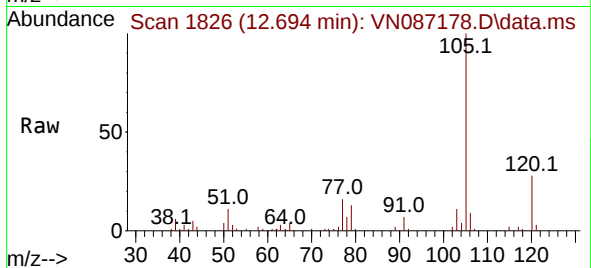
55 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#48

t-1,3-Dichloropropene

Concen: 4.517 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VN087178.D

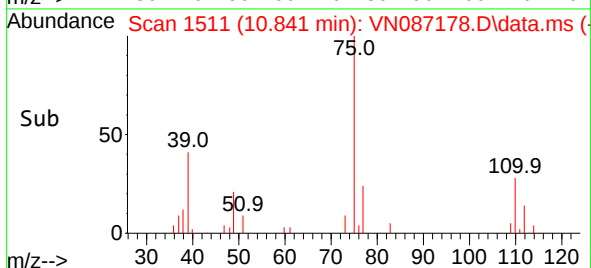
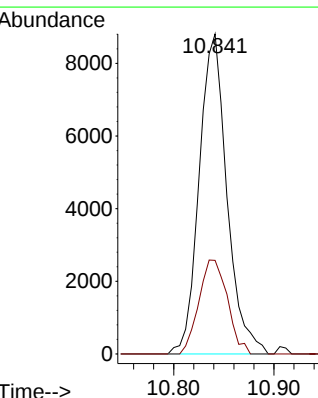
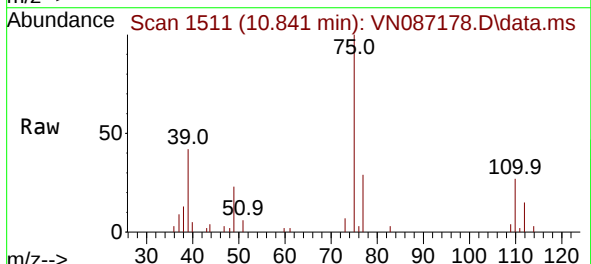
Acq: 25 Jun 2025 15:20

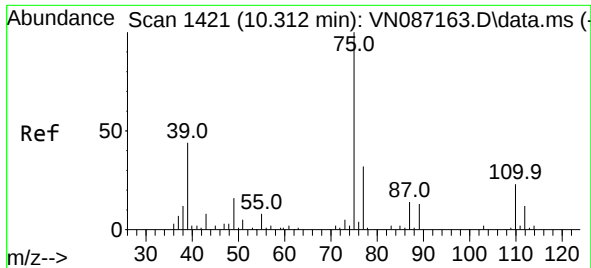
Tgt Ion: 75 Resp: 16913

Ion Ratio Lower Upper

75 100

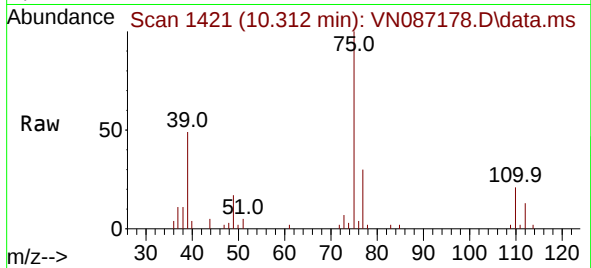
77 29.3 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 4.927 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

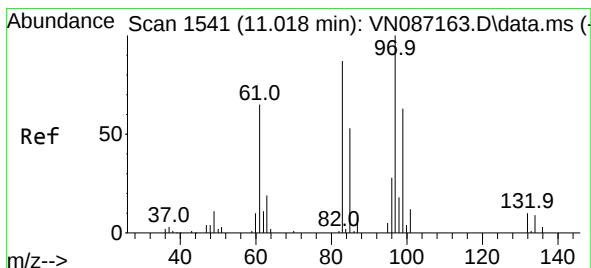
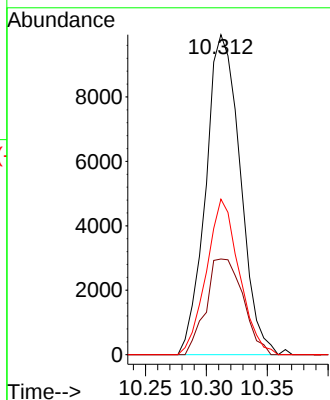
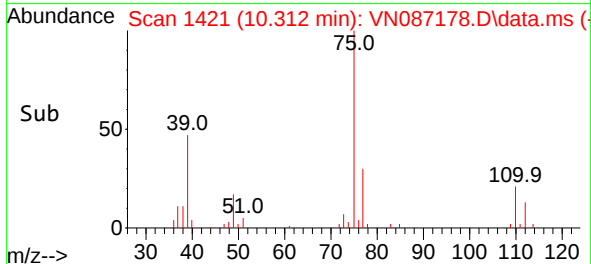
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025



Tgt Ion: 75 Resp: 19609
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.4 38.2
 39 48.6 35.3 52.9

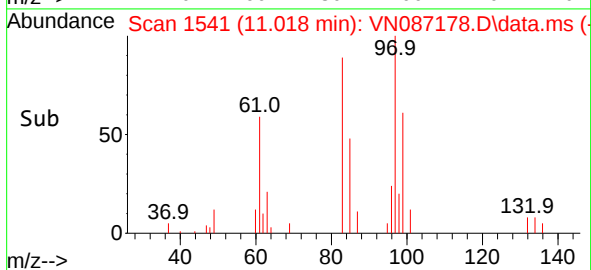
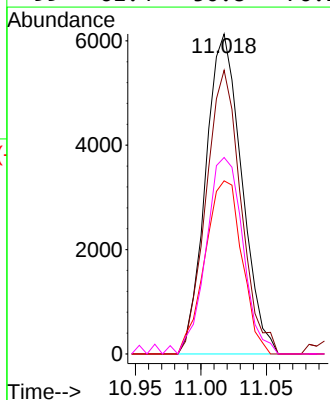
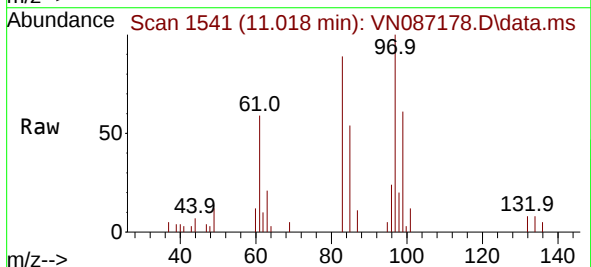
Manual Integrations
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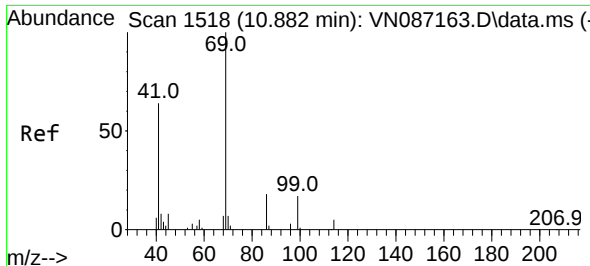
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.965 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

Tgt Ion: 97 Resp: 11735
 Ion Ratio Lower Upper
 97 100
 83 88.6 69.6 104.4
 85 54.1 42.0 63.0
 99 61.4 50.8 76.2





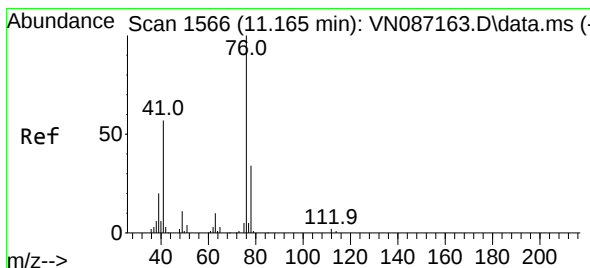
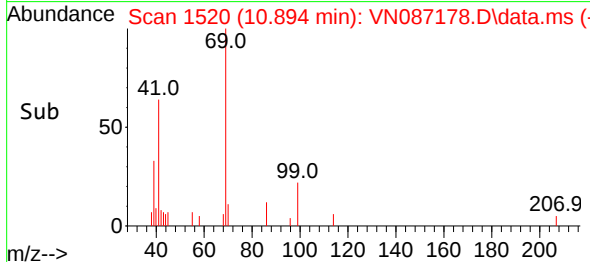
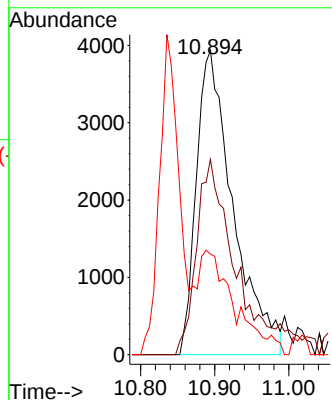
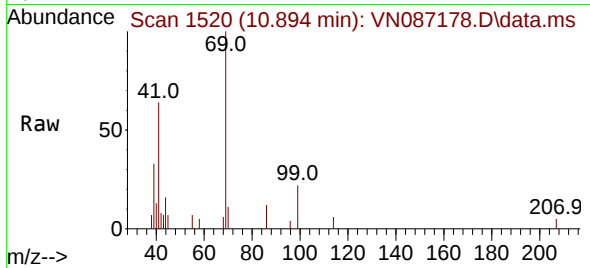
#51
Ethyl methacrylate
Concen: 3.768 ug/l
RT: 10.894 min Scan# 1520
Delta R.T. 0.012 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion: 69 Resp: 1355
Ion Ratio Lower Upper
69 100
41 59.7 31.8 95.3
39 29.1 15.3 45.8

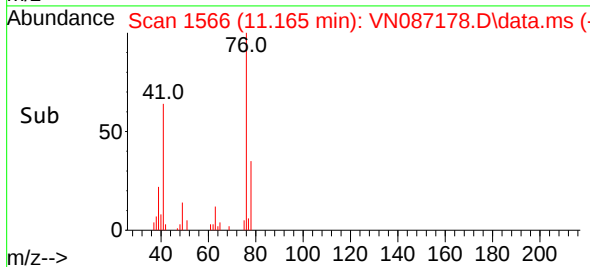
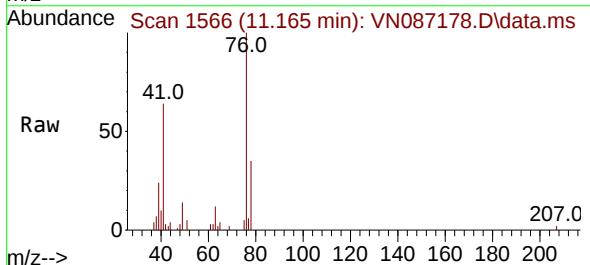
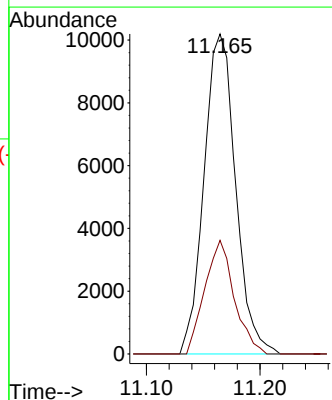
Manual Integrations
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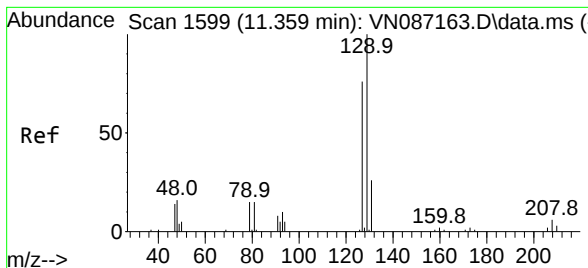
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 4.855 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 76 Resp: 19699
Ion Ratio Lower Upper
76 100
78 33.1 0.0 63.0





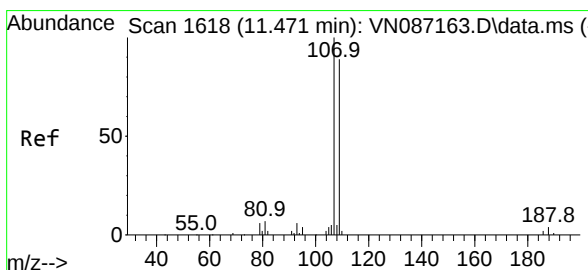
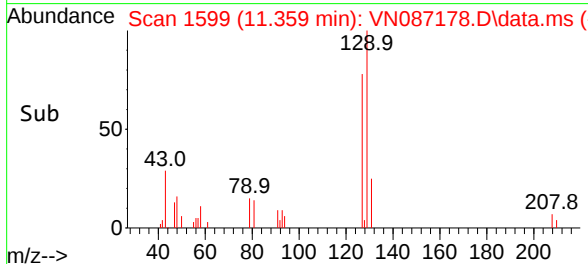
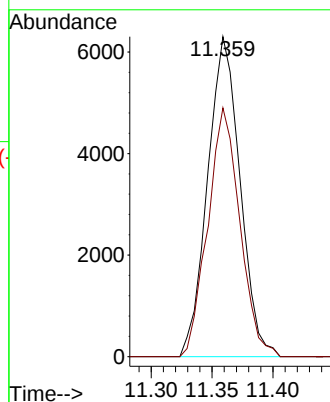
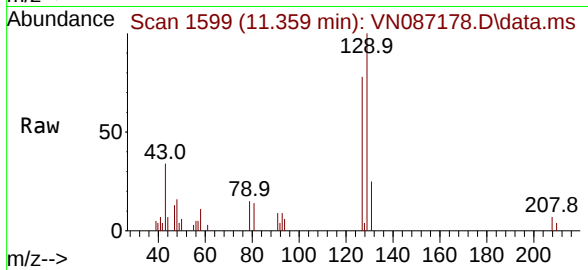
#53
Dibromochloromethane
Concen: 4.708 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2025

Tgt Ion:129 Resp: 1168
Ion Ratio Lower Upper
129 100
127 76.9 39.6 118.8

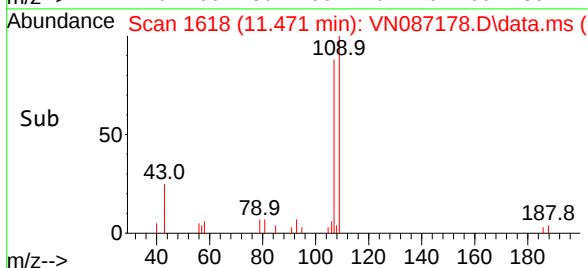
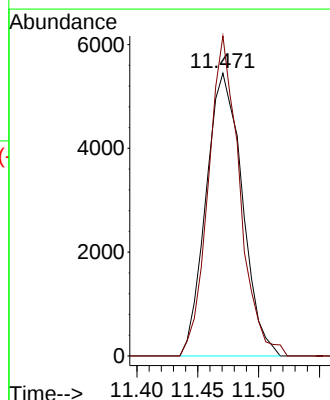
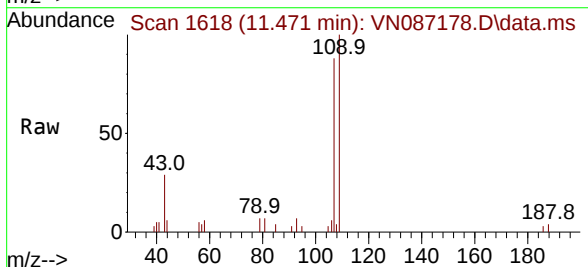
Manual Integrations
APPROVED

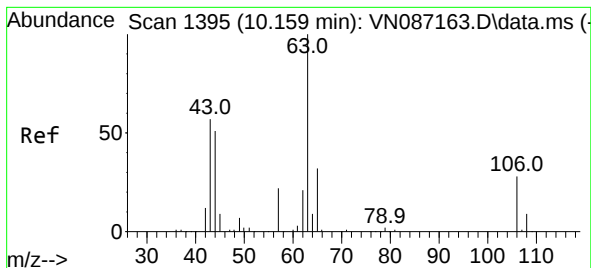
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#54
1,2-Dibromoethane
Concen: 4.620 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion:107 Resp: 11267
Ion Ratio Lower Upper
107 100
109 97.1 73.5 110.3





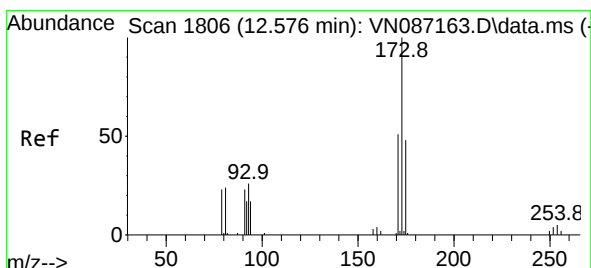
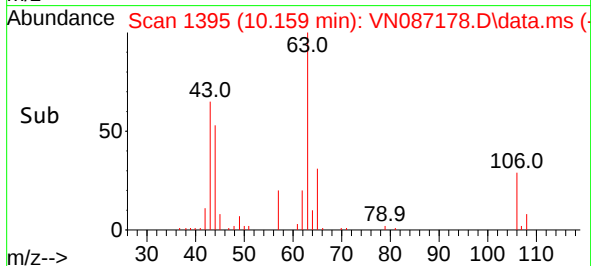
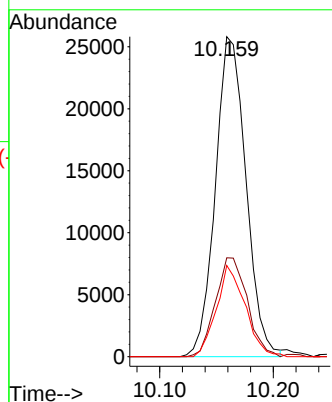
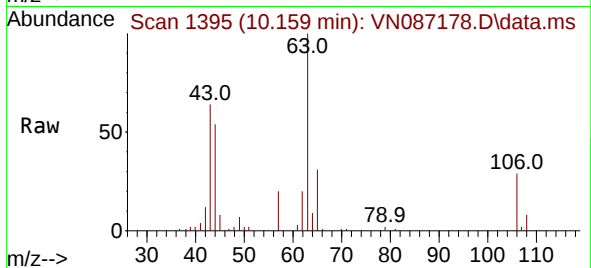
#55
2-Chloroethyl vinyl ether
Concen: 23.431 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion: 63 Resp: 4831
Ion Ratio Lower Upper
63 100
65 32.0 25.6 38.4
106 26.8 21.9 32.9

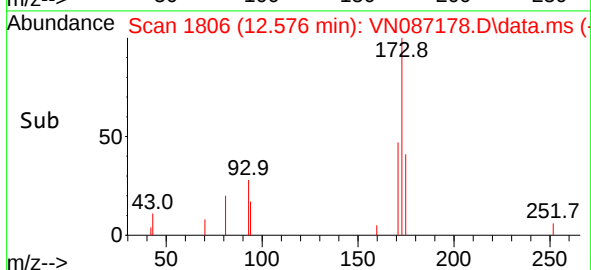
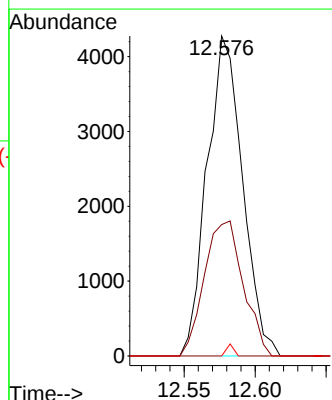
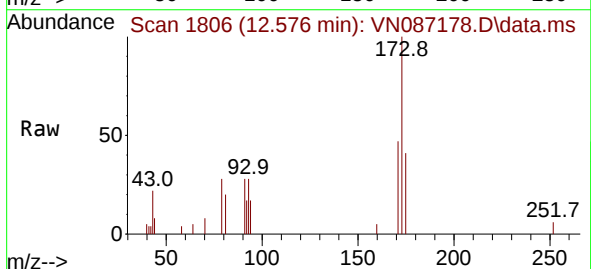
Manual Integrations
APPROVED

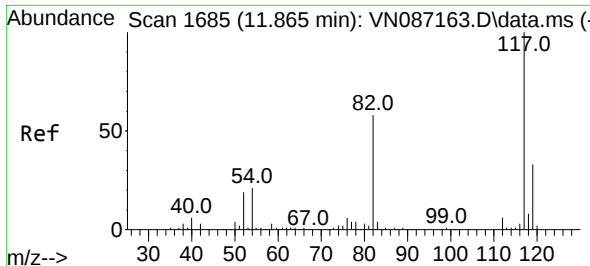
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 4.355 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

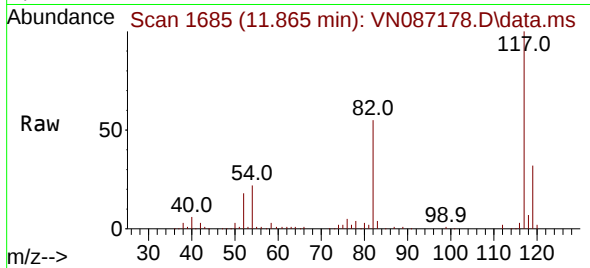
Tgt Ion:173 Resp: 7428
Ion Ratio Lower Upper
173 100
175 46.2 38.7 58.1
254 0.0 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

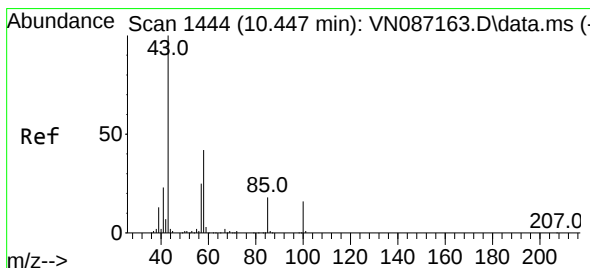
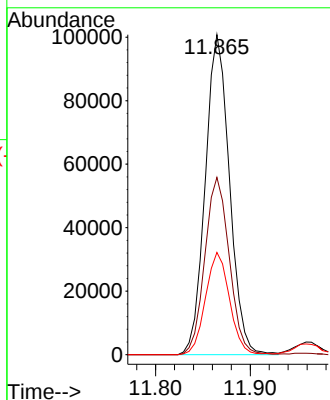
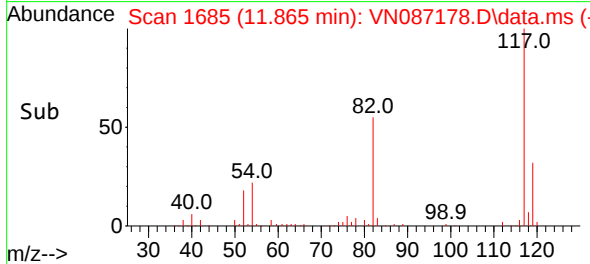
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



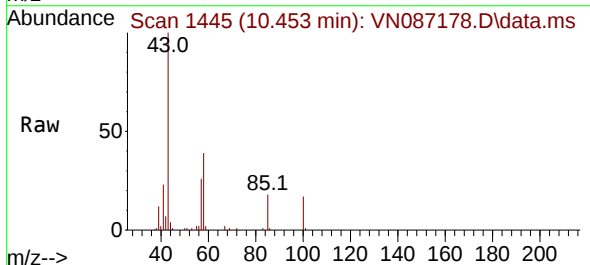
Tgt Ion: 117 Resp: 17936
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 31.6 26.2 39.4

Manual Integrations
APPROVED

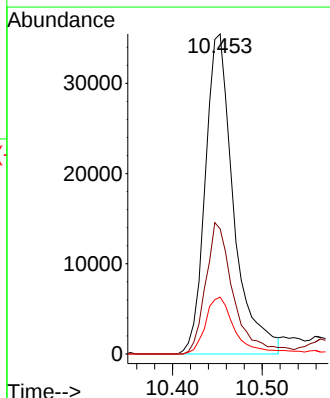
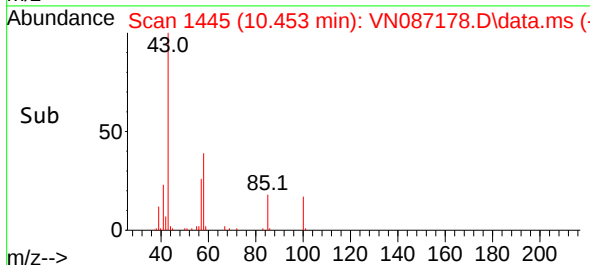
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

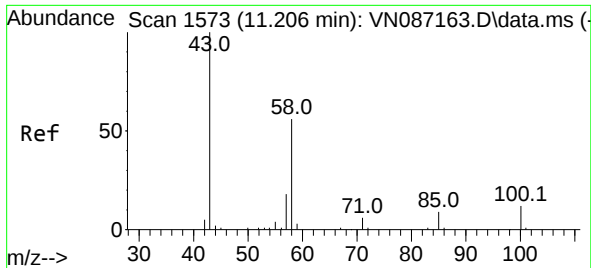


#58
4-Methyl-2-Pentanone
Concen: 21.623 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20



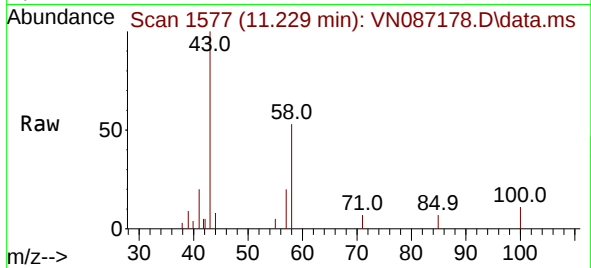
Tgt Ion: 43 Resp: 77969
Ion Ratio Lower Upper
43 100
58 40.5 32.6 49.0
85 18.8 14.6 22.0





#59
2-Hexanone
Concen: 13.321 ug/l m
RT: 11.229 min Scan# 1577
Delta R.T. 0.024 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

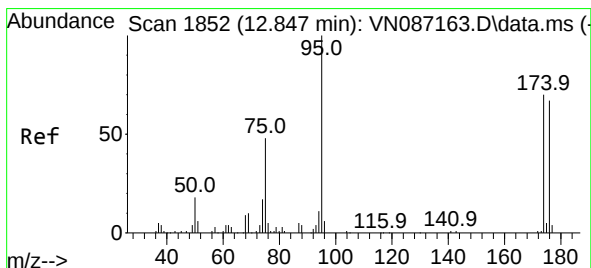
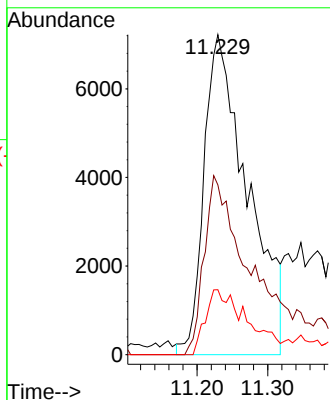
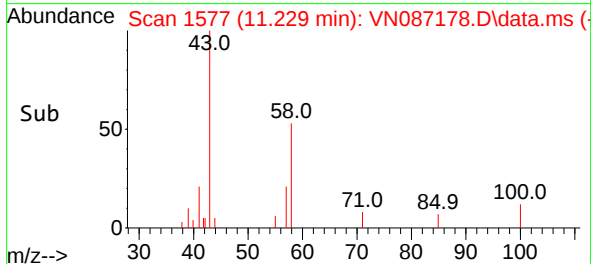
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2025



Tgt Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
58 42.4 49.2 73.8
57 9.3 15.3 22.9

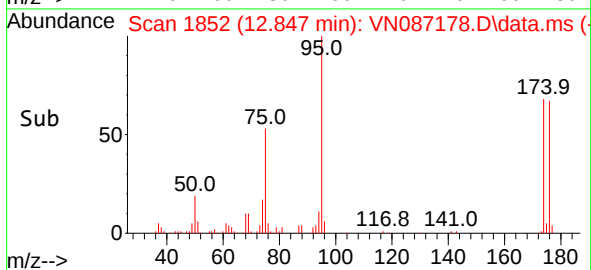
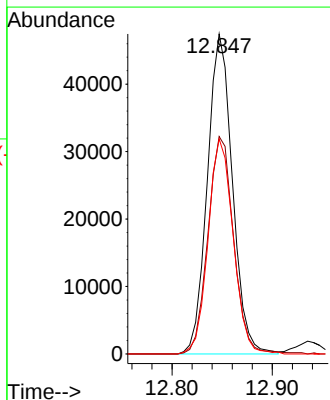
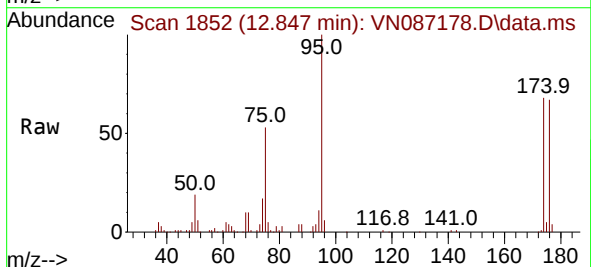
Manual Integrations
APPROVED

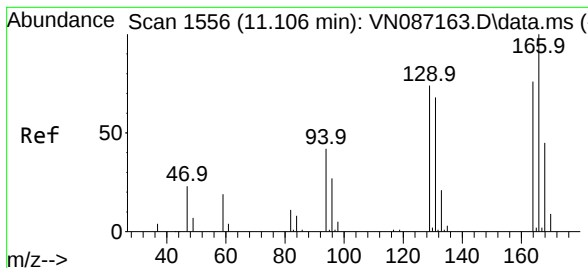
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#60
4-Bromofluorobenzene
Concen: 29.782 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 95 Resp: 82429
Ion Ratio Lower Upper
95 100
174 69.5 54.5 81.7
176 67.1 51.9 77.9





#61

Tetrachloroethene

Concen: 5.592 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

Tgt Ion:164 Resp: 993

Ion Ratio Lower Upper

164 100

166 111.3 105.4 158.2

129 85.2 77.9 116.9

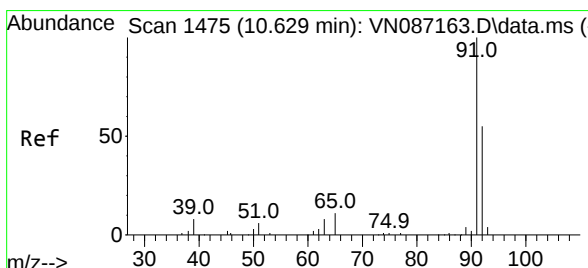
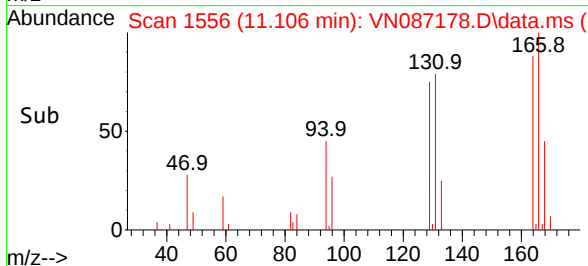
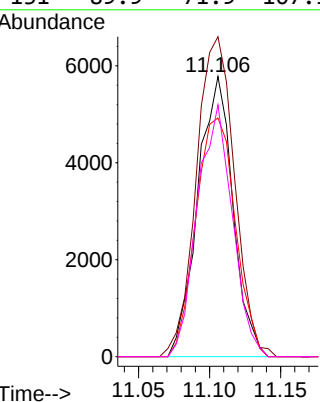
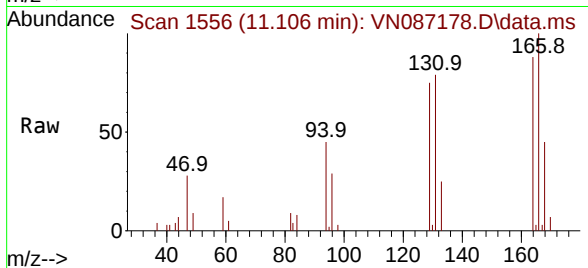
131 89.9 71.9 107.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#62

Toluene

Concen: 5.244 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN087178.D

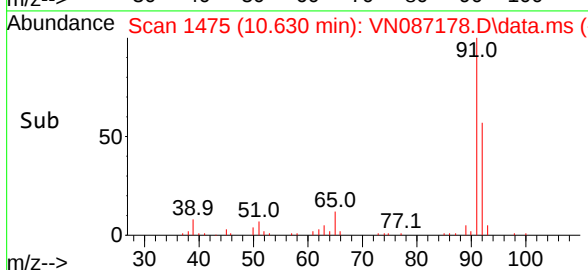
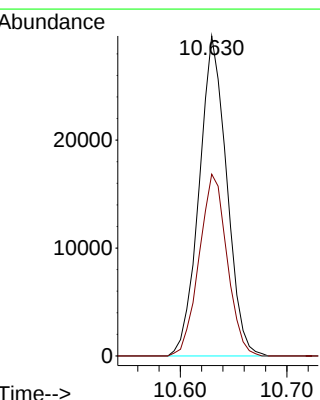
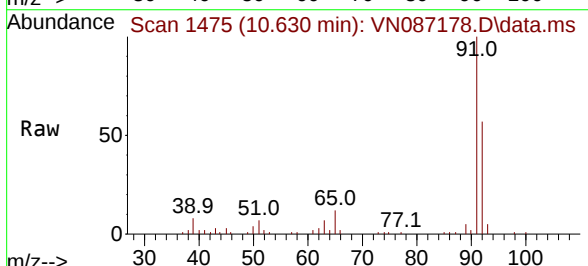
Acq: 25 Jun 2025 15:20

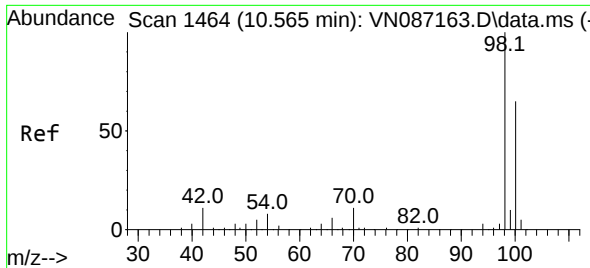
Tgt Ion: 91 Resp: 53123

Ion Ratio Lower Upper

91 100

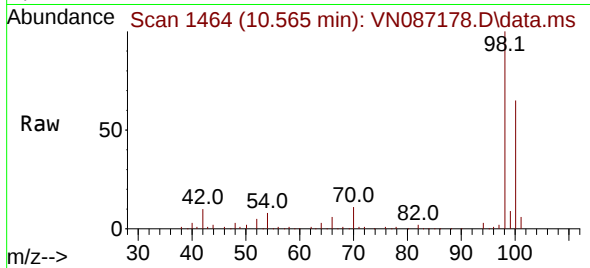
92 57.6 45.8 68.8





#63
Toluene-d8
Concen: 30.551 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

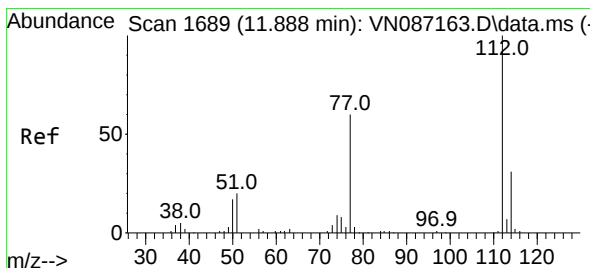
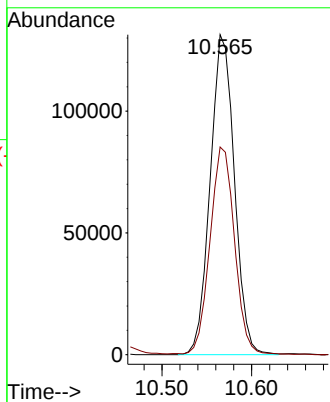
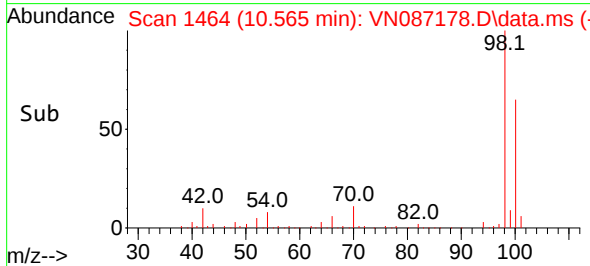
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 98 Resp: 246039
Ion Ratio Lower Upper
98 100
100 65.9 52.5 78.7

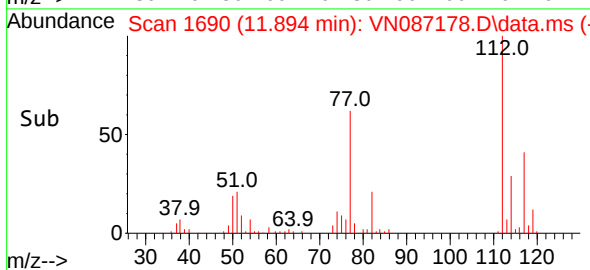
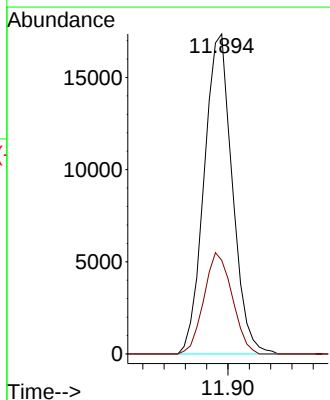
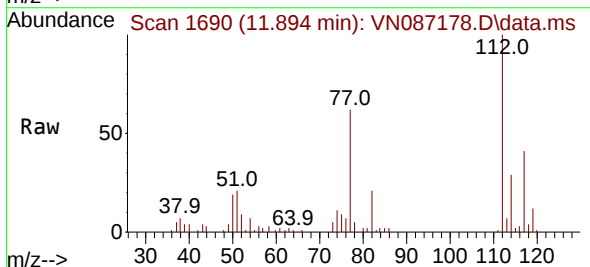
Manual Integrations
APPROVED

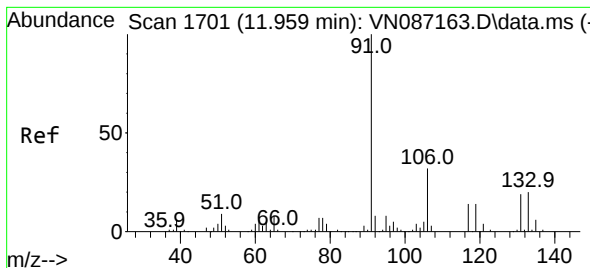
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 4.934 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion:112 Resp: 31881
Ion Ratio Lower Upper
112 100
114 29.3 25.0 37.4





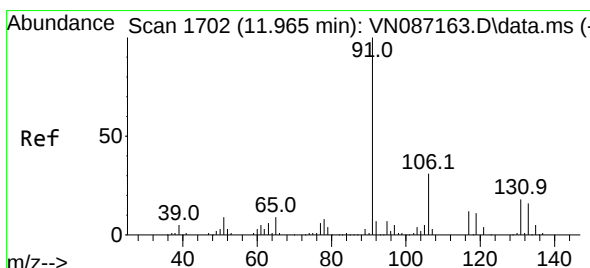
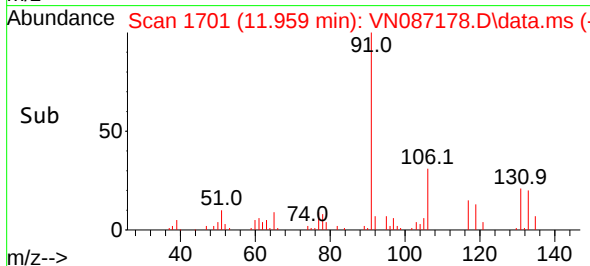
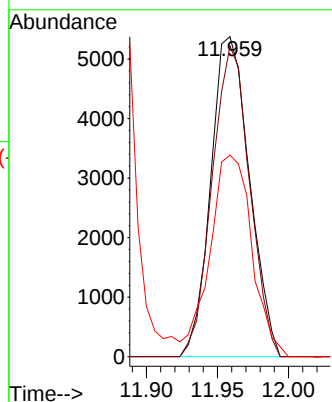
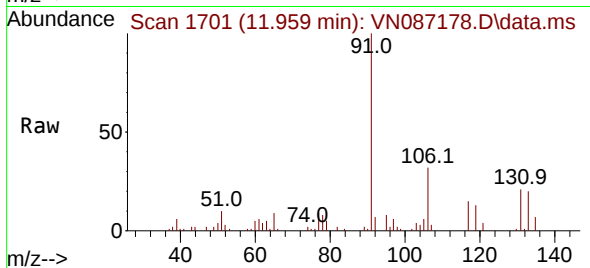
#65
1,1,1,2-Tetrachloroethane
Concen: 4.774 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:131 Resp: 10192
Ion Ratio Lower Upper
131 100
133 93.8 0.0 187.8
119 68.1 0.0 140.0

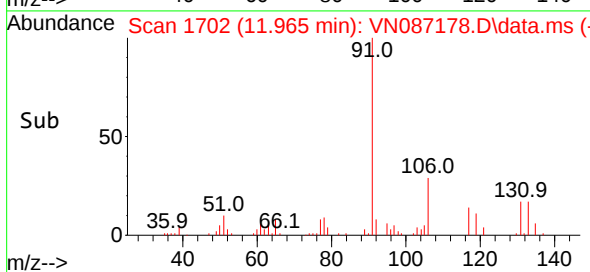
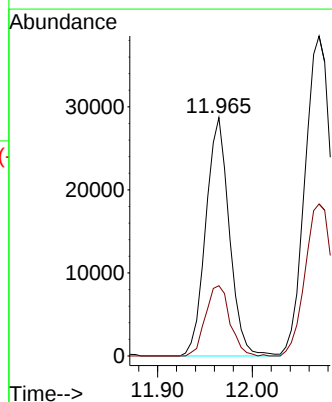
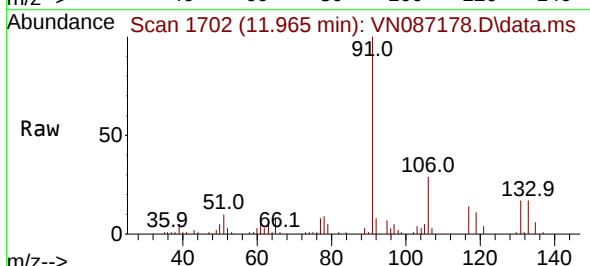
Manual Integrations
APPROVED

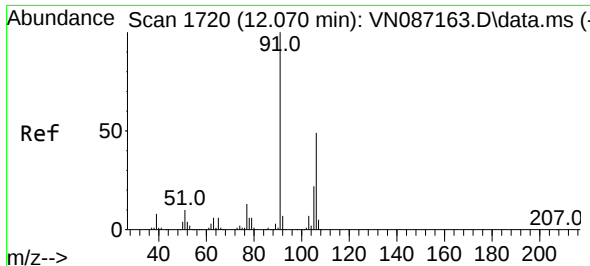
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 4.483 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

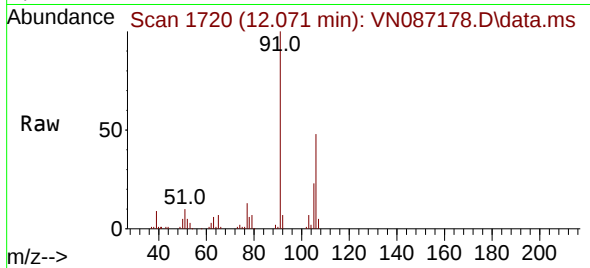
Tgt Ion: 91 Resp: 49708
Ion Ratio Lower Upper
91 100
106 29.5 24.8 37.2





#67
m/p-Xylenes
Concen: 8.813 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

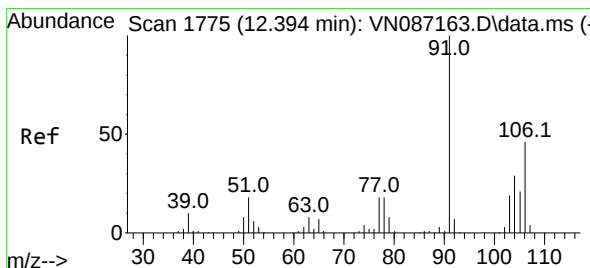
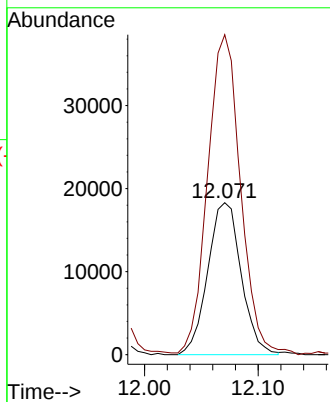
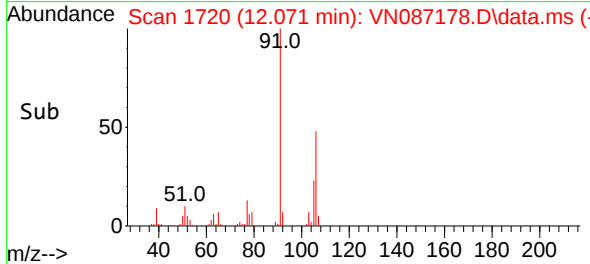
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:106 Resp: 3744
Ion Ratio Lower Upper
106 100
91 207.1 163.0 244.4

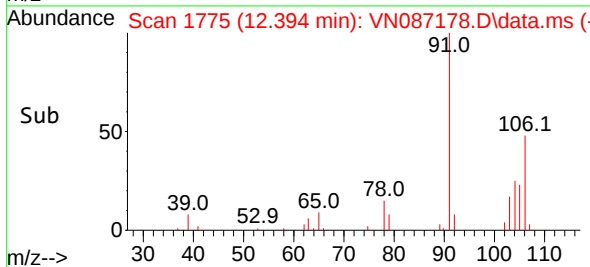
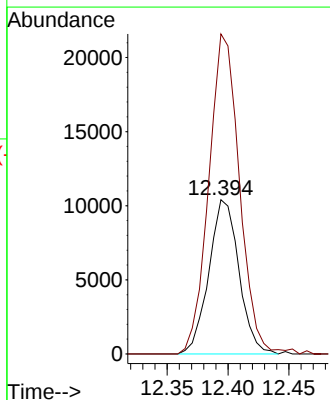
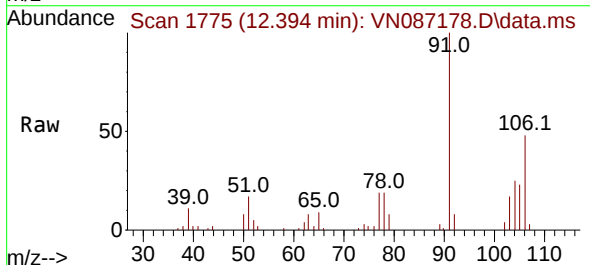
Manual Integrations
APPROVED

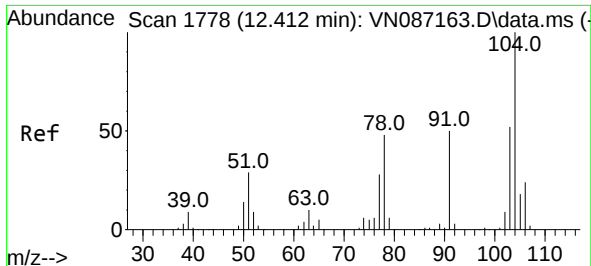
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#68
o-Xylene
Concen: 4.418 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

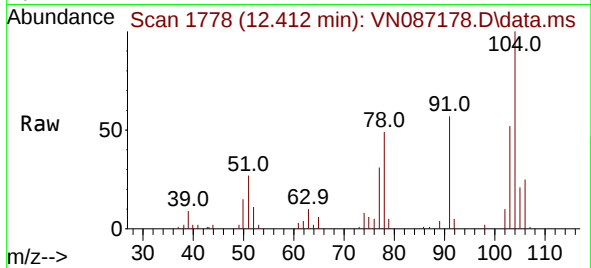
Tgt Ion:106 Resp: 17909
Ion Ratio Lower Upper
106 100
91 210.2 107.1 321.1





#69
Styrene
Concen: 4.204 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

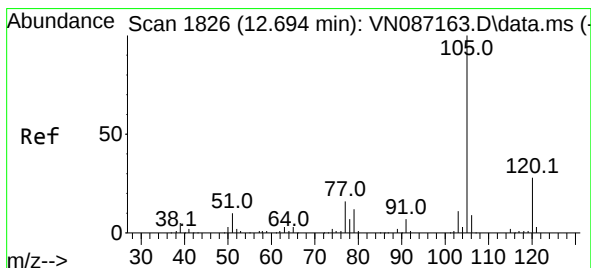
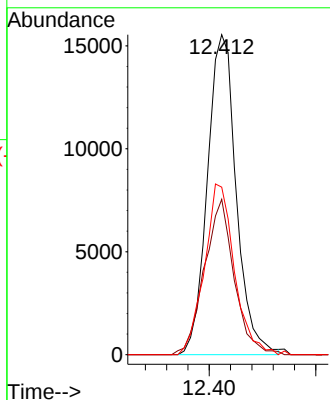
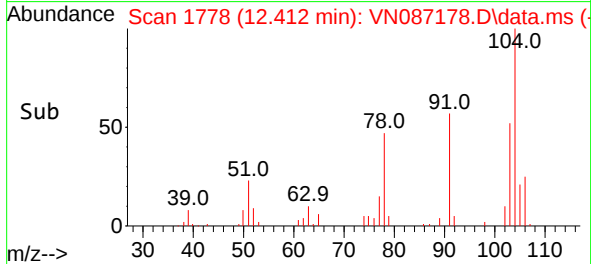
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



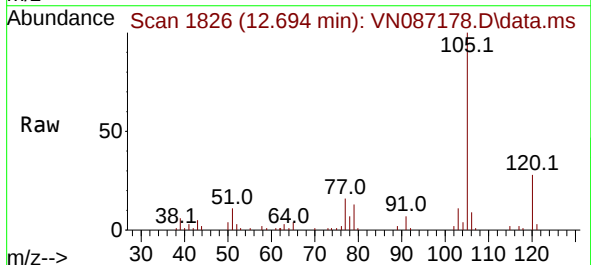
Tgt Ion:104 Resp: 29254
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.8
103 55.3 44.2 66.4

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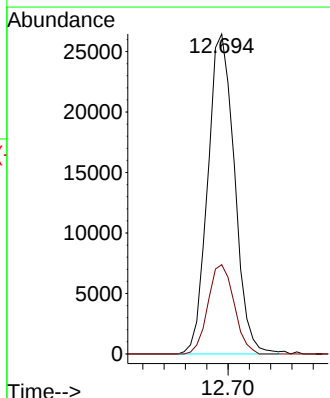
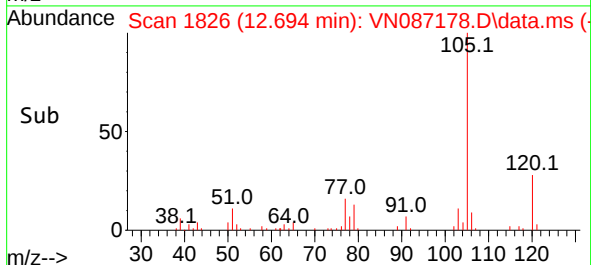
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

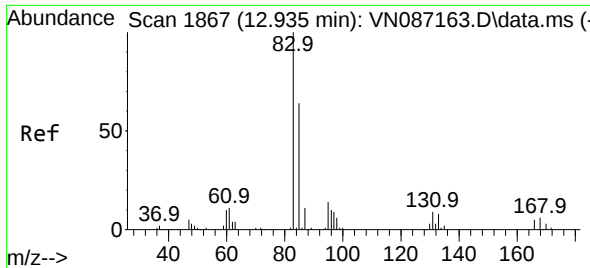


#70
Isopropylbenzene
Concen: 4.571 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20



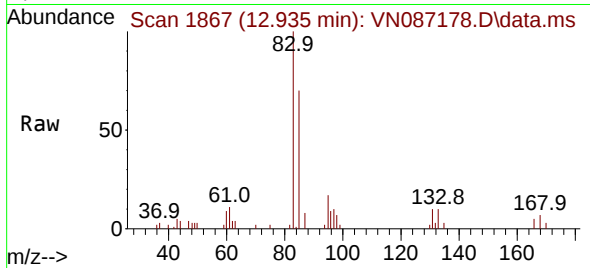
Tgt Ion:105 Resp: 46148
Ion Ratio Lower Upper
105 100
120 27.2 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 5.172 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

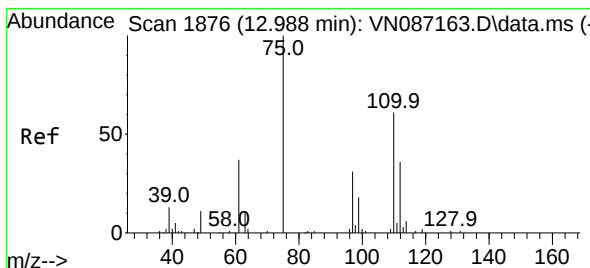
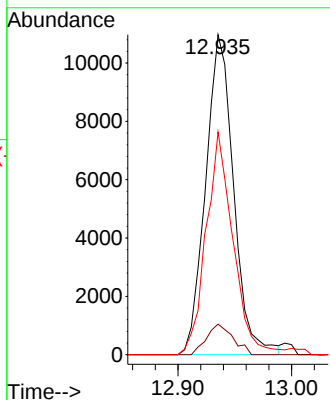
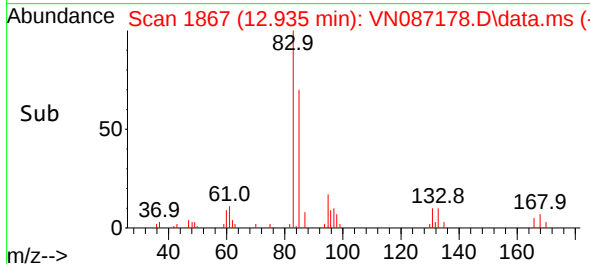
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2025



Tgt Ion: 83 Resp: 18790
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.4
85 67.0 31.3 93.9

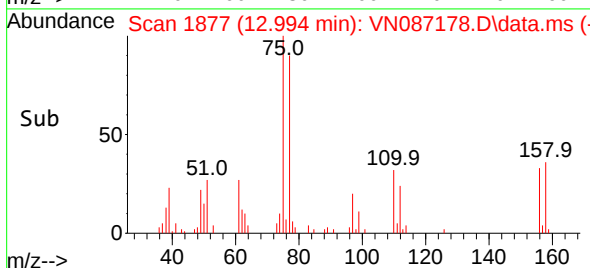
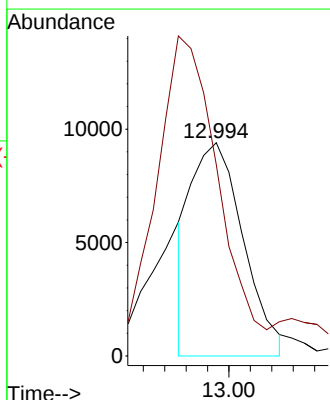
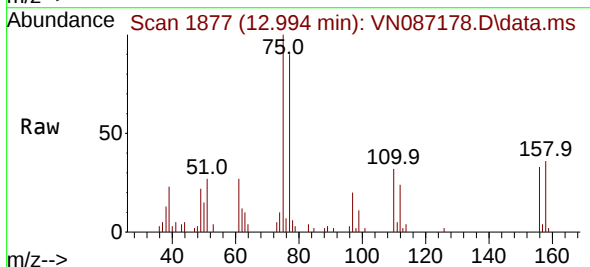
Manual Integrations
APPROVED

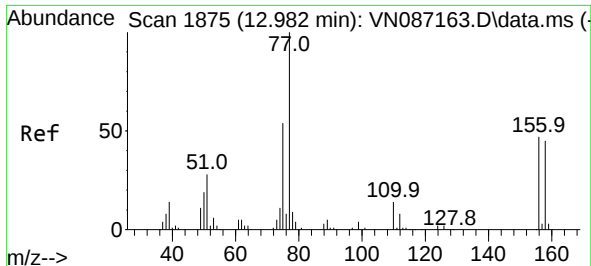
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#72
1,2,3-Trichloropropane
Concen: 5.091 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

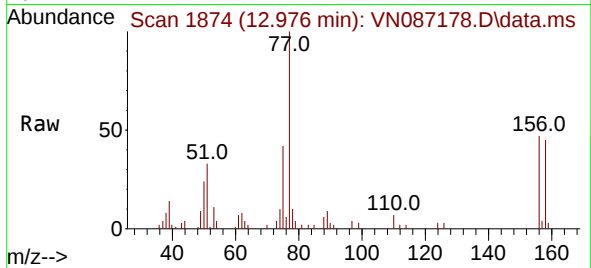
Tgt Ion: 75 Resp: 15954
Ion Ratio Lower Upper
75 100
77 179.9 0.0 379.2





#73
Bromobenzene
Concen: 4.839 ug/l
RT: 12.976 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

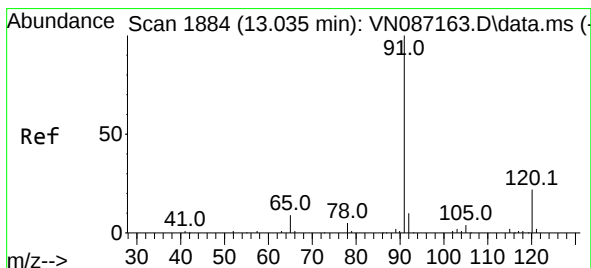
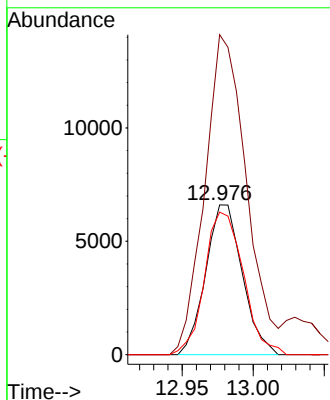
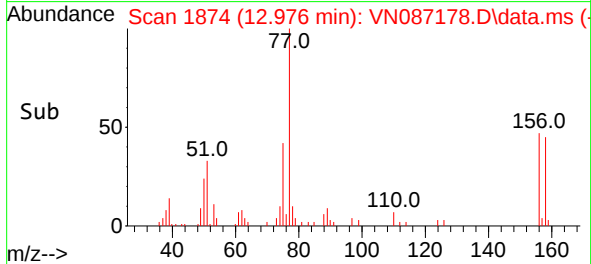
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:156 Resp: 11850
Ion Ratio Lower Upper
156 100
77 242.2 0.0 489.0
158 100.8 0.0 195.2

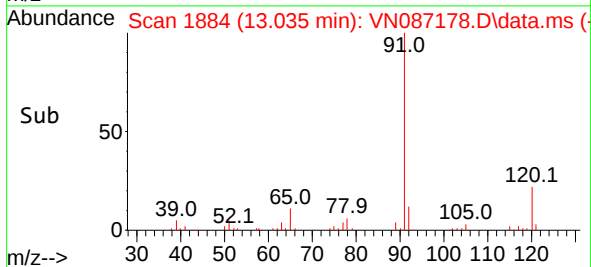
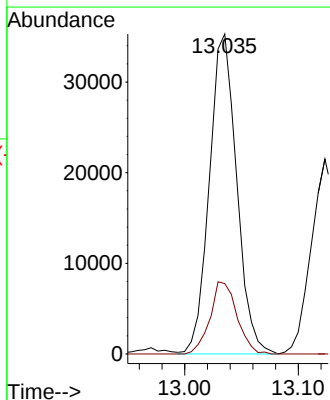
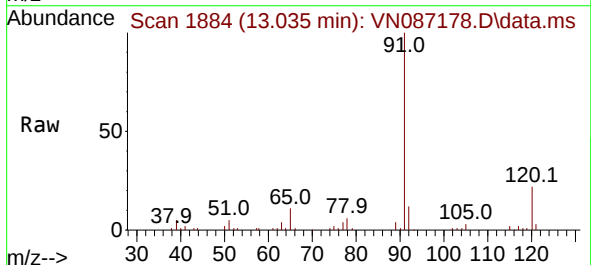
Manual Integrations
APPROVED

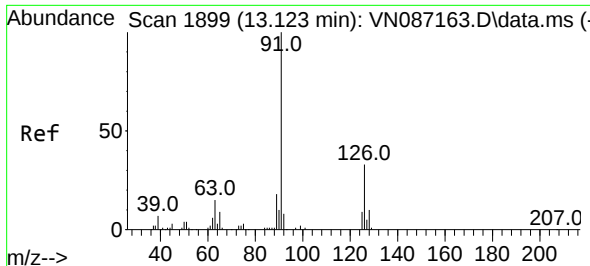
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 4.787 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion: 91 Resp: 59042
Ion Ratio Lower Upper
91 100
120 22.1 0.0 43.6





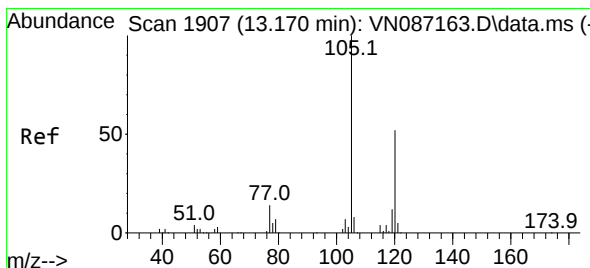
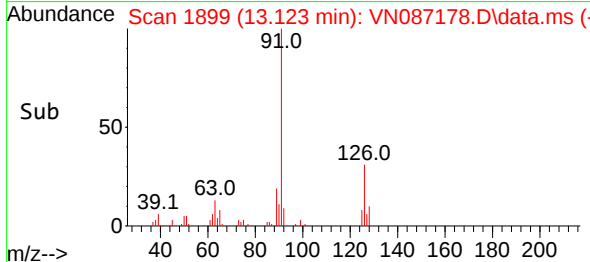
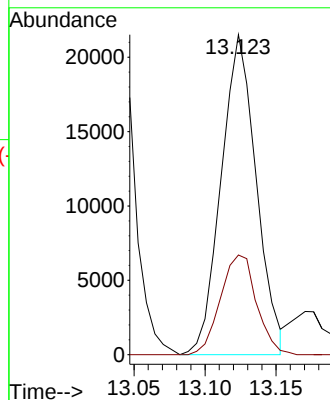
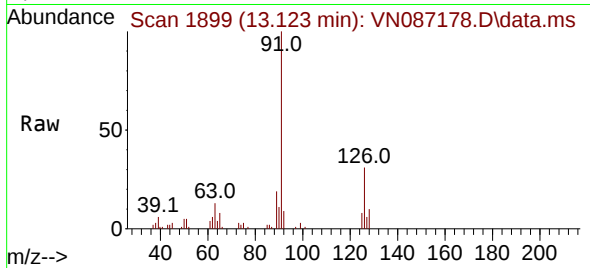
#75
2-Chlorotoluene
Concen: 4.965 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion: 91 Resp: 3699
Ion Ratio Lower Upper
91 100
126 32.0 0.0 63.8

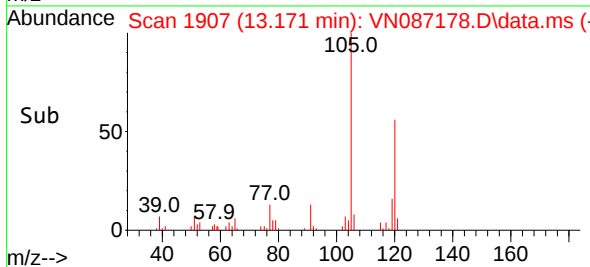
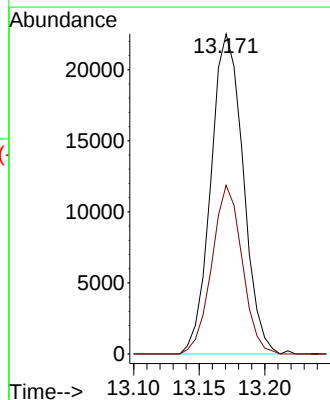
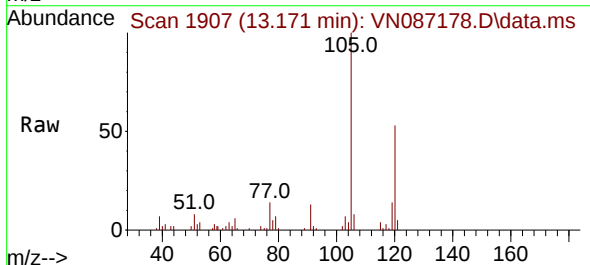
Manual Integrations
APPROVED

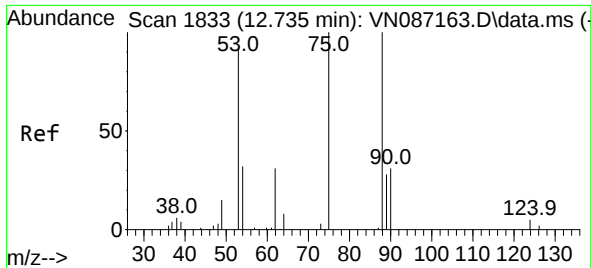
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.690 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

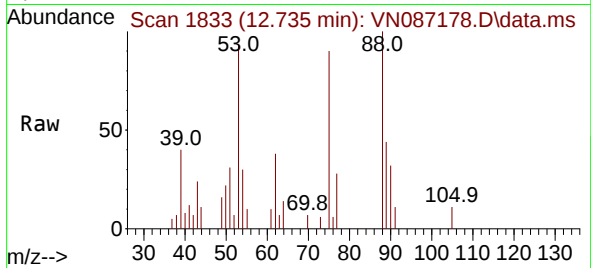
Tgt Ion:105 Resp: 38548
Ion Ratio Lower Upper
105 100
120 49.5 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 3.860 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

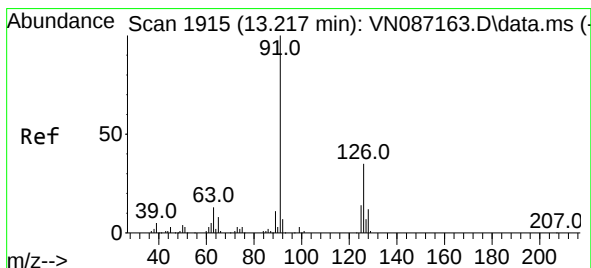
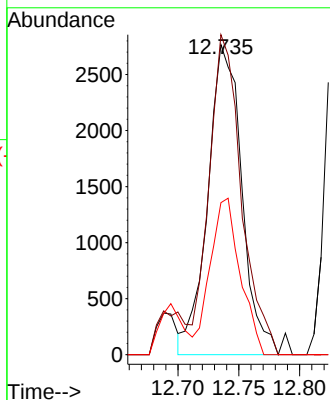
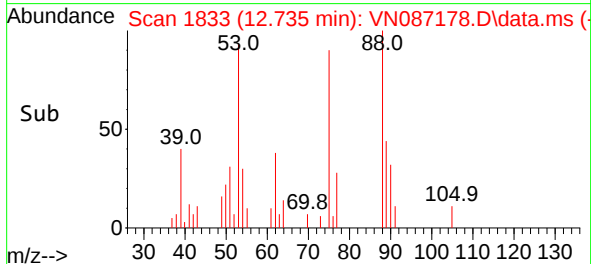
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion: 75 Resp: 5360
Ion Ratio Lower Upper
75 100
53 103.2 45.9 137.6
89 49.0 22.3 66.9

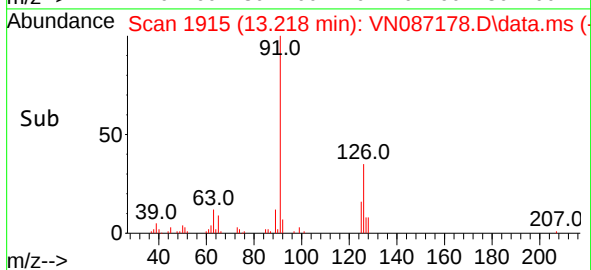
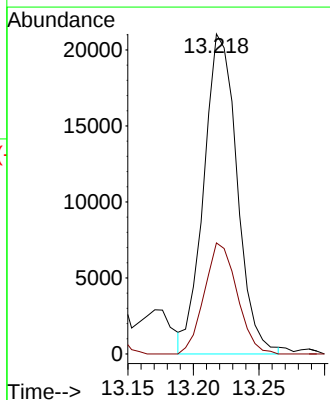
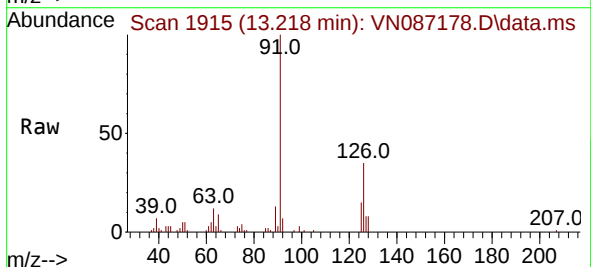
Manual Integrations
APPROVED

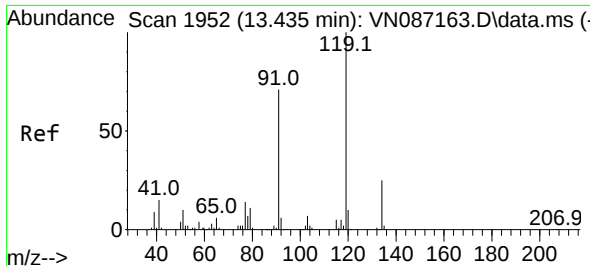
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#78
4-Chlorotoluene
Concen: 4.879 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

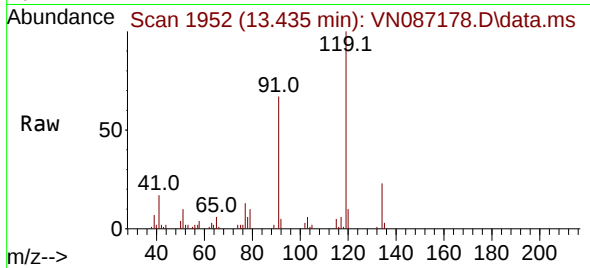
Tgt Ion: 91 Resp: 37234
Ion Ratio Lower Upper
91 100
126 34.0 0.0 65.2





#79
tert-butylbenzene
Concen: 4.999 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

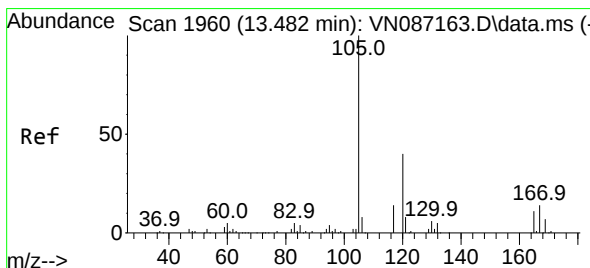
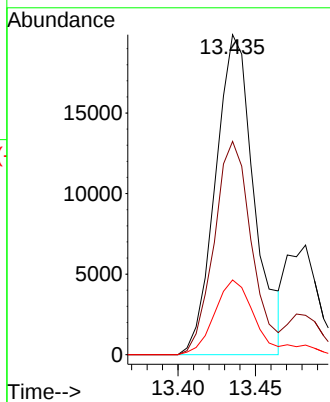
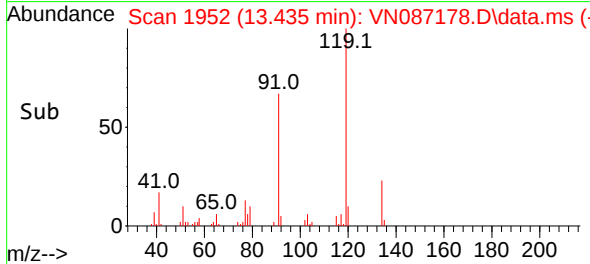
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



Tgt Ion:119 Resp: 3453
Ion Ratio Lower Upper
119 100
91 64.6 0.0 137.0
134 23.3 0.0 49.4

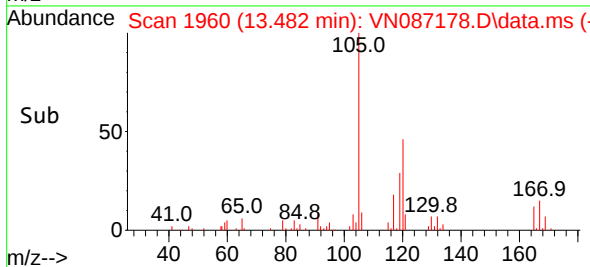
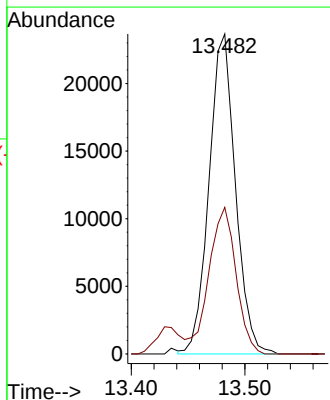
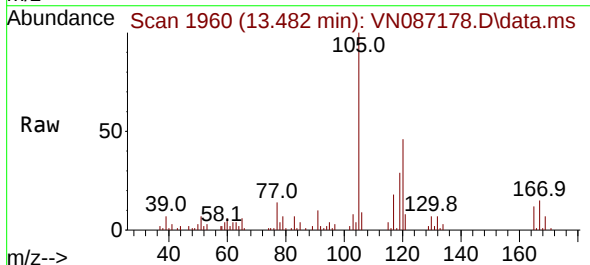
Manual Integrations
APPROVED

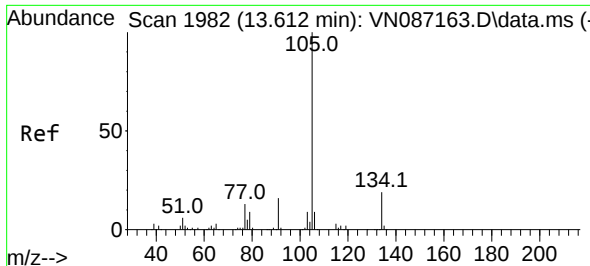
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 4.633 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion:105 Resp: 38237
Ion Ratio Lower Upper
105 100
120 47.3 0.0 94.0





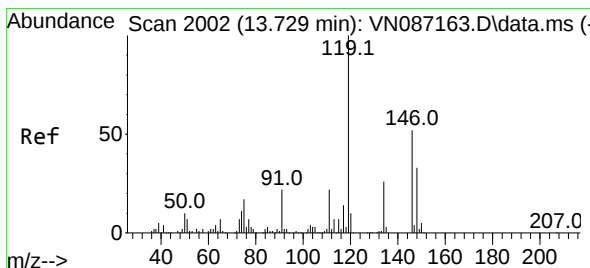
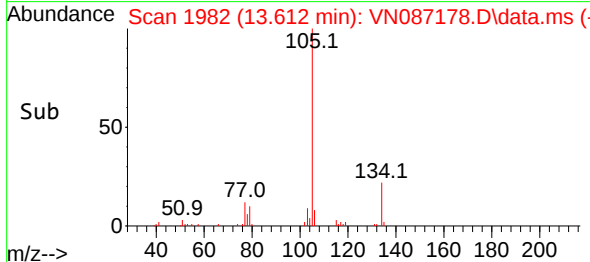
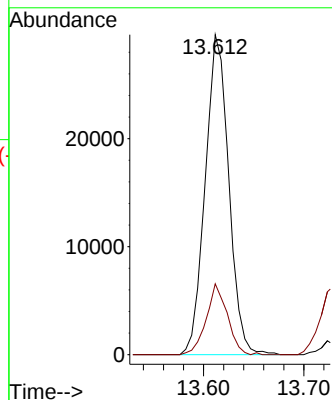
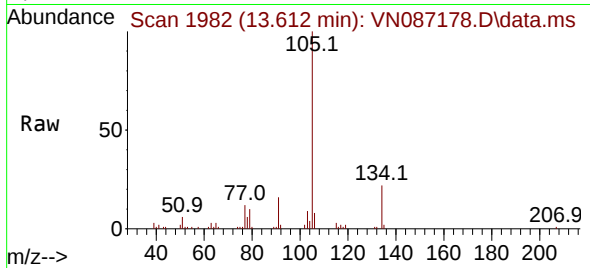
#81
 sec-Butylbenzene
 Concen: 4.823 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Tgt Ion:105 Resp: 48434
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

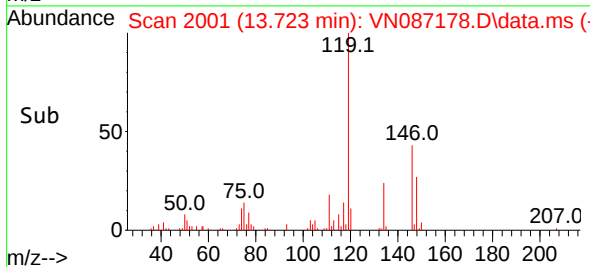
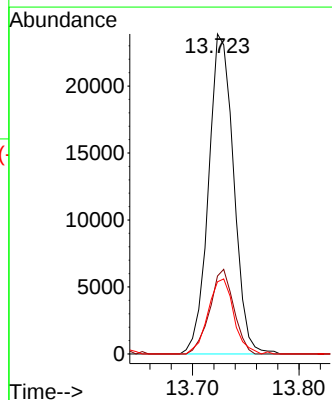
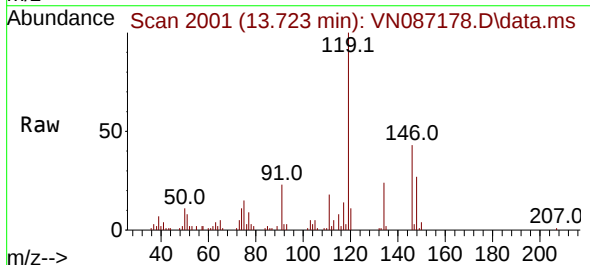
Manual Integrations
 APPROVED

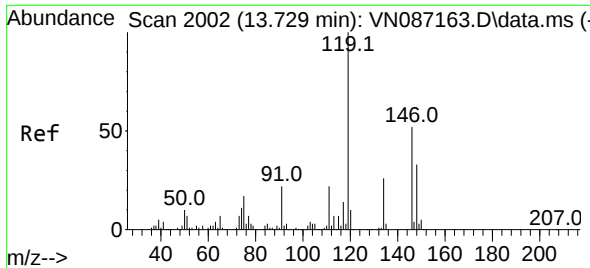
Reviewed By :John Carlone 06/26/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 4.681 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN087178.D
 Acq: 25 Jun 2025 15:20

Tgt Ion:119 Resp: 39118
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 51.2
 91 23.8 0.0 46.4





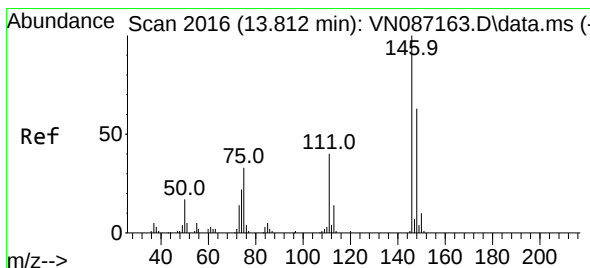
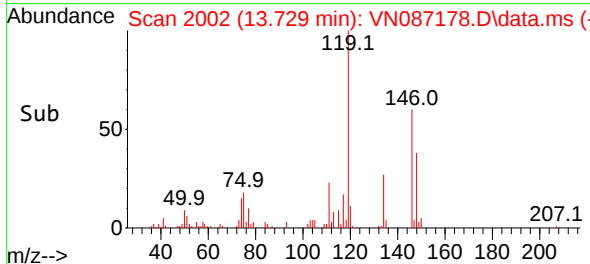
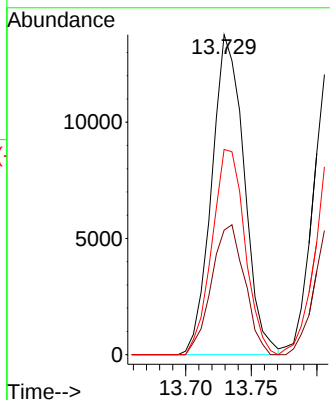
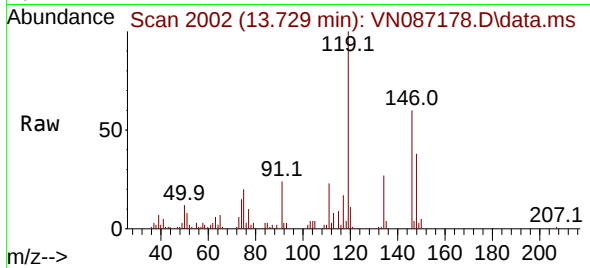
#83
1,3-Dichlorobenzene
Concen: 5.016 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:146 Resp: 2365
Ion Ratio Lower Upper
146 100
111 41.6 21.1 63.3
148 65.0 31.6 94.8

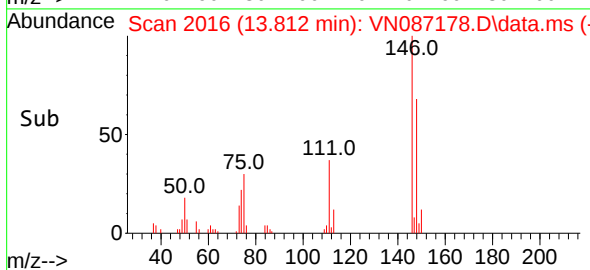
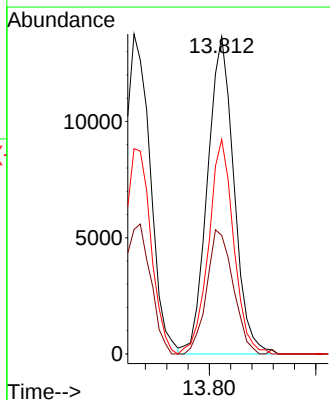
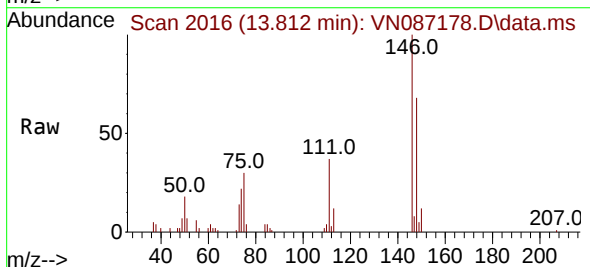
Manual Integrations
APPROVED

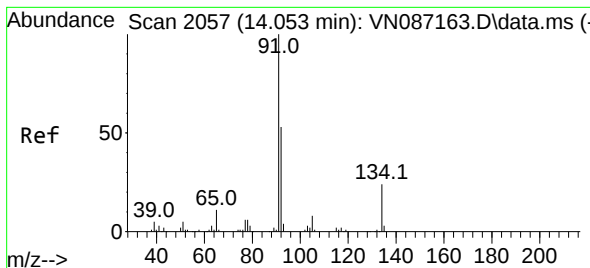
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025



#84
1,4-Dichlorobenzene
Concen: 4.953 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion:146 Resp: 23510
Ion Ratio Lower Upper
146 100
111 39.1 20.1 60.2
148 64.1 31.4 94.2





#85

n-Butylbenzene

Concen: 4.744 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

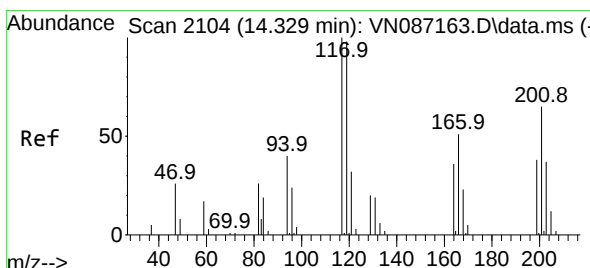
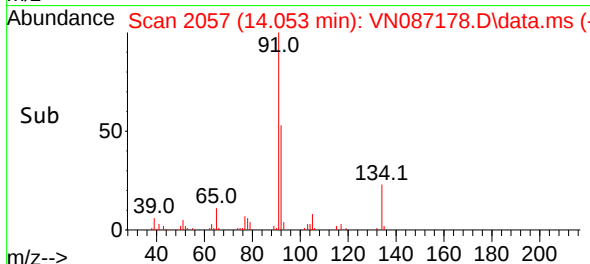
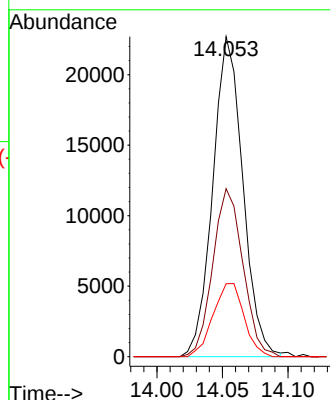
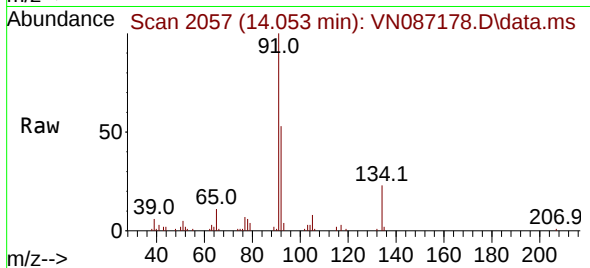
Tgt Ion: 91	Resp: 3617
Ion Ratio	Lower Upper
91 100	
92 52.6	0.0 106.4
134 23.6	0.0 48.8

Manual Integrations

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Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#86

Hexachloroethane

Concen: 4.734 ug/l

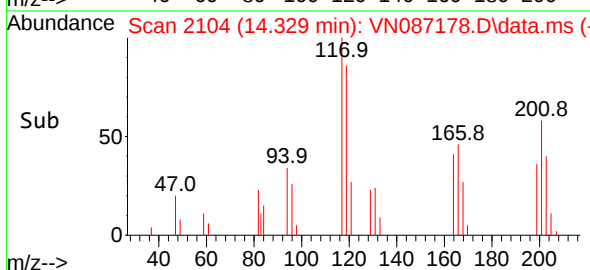
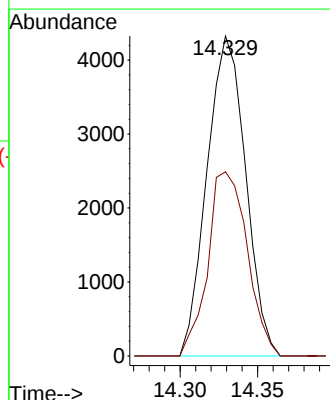
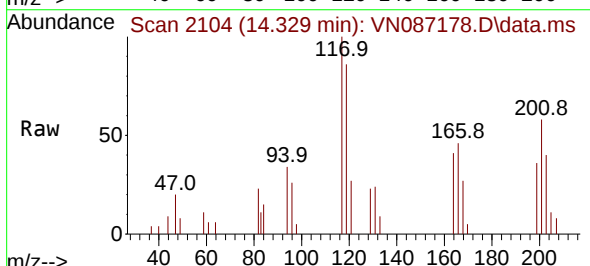
RT: 14.329 min Scan# 2104

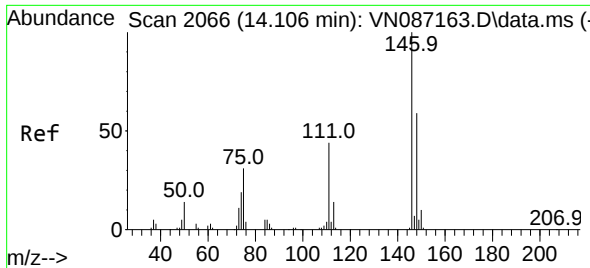
Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

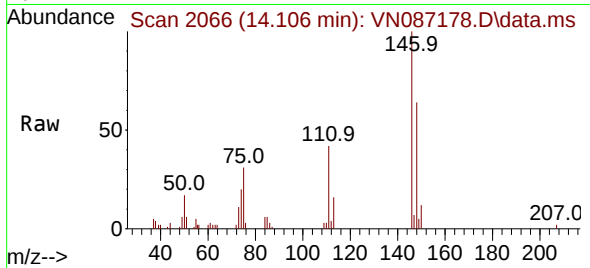
Tgt Ion: 117	Resp: 7490
Ion Ratio	Lower Upper
117 100	
201 58.7	30.8 92.3





#87
1,2-Dichlorobenzene
Concen: 4.991 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

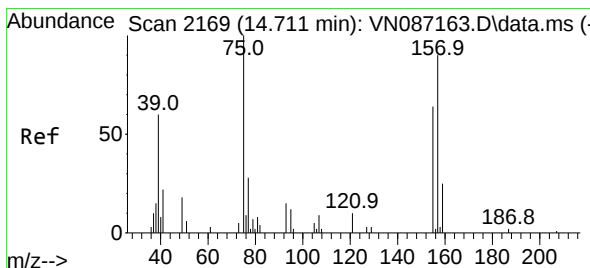
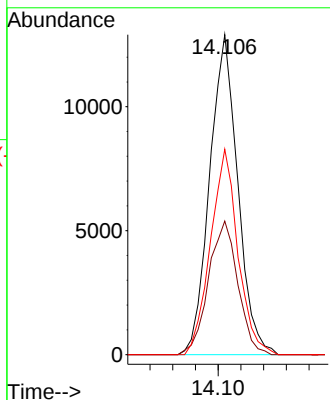
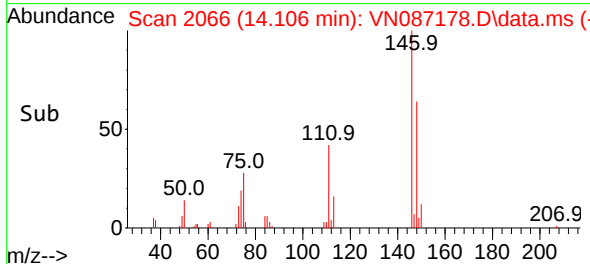
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025



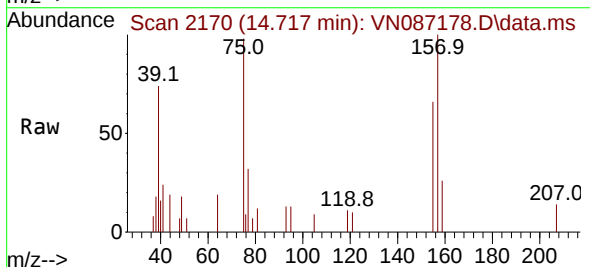
Tgt Ion:146 Resp: 2219
Ion Ratio Lower Upper
146 100
111 43.6 22.1 66.1
148 62.8 31.6 95.0

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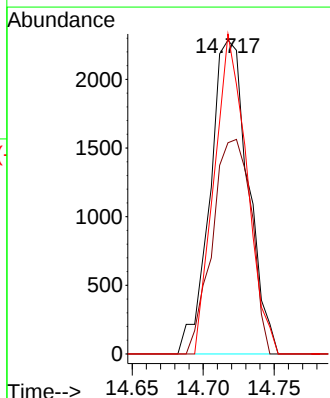
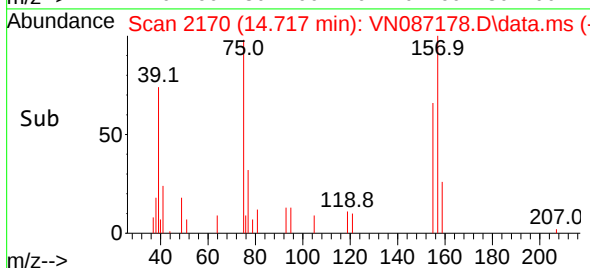
Reviewed By :John Carlone 06/26/2025
Supervised By :Mahesh Dadoda 06/26/2025

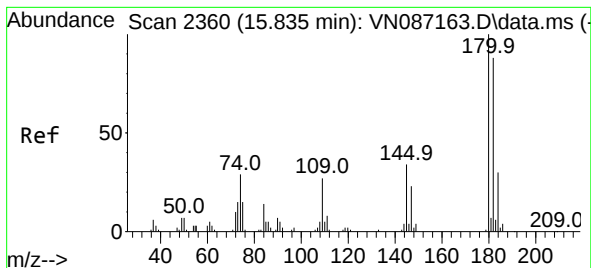


#88
1,2-Dibromo-3-Chloropropane
Concen: 5.215 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20



Tgt Ion: 75 Resp: 4267
Ion Ratio Lower Upper
75 100
155 70.0 58.3 87.5
157 87.1 79.2 118.8





#89

1,2,4-Trichlorobenzene

Concen: 4.838 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

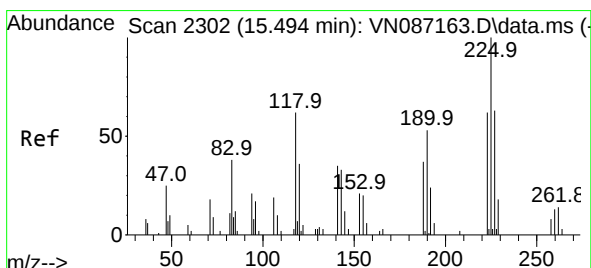
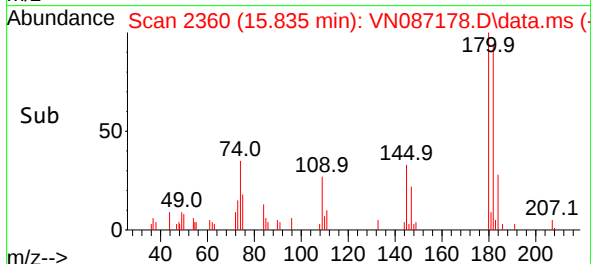
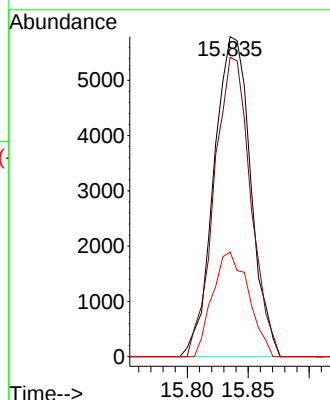
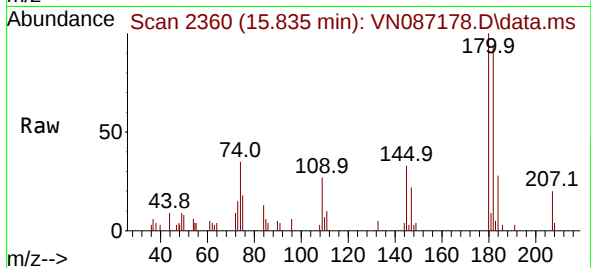
Tgt Ion:	180	Resp:	12170
Ion Ratio	Lower	Upper	
180	100		
182	92.5	74.2	111.2
145	32.1	27.6	41.4

Manual Integrations

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Reviewed By :John Carlone 06/26/2025

Supervised By :Mahesh Dadoda 06/26/2025



#90

Hexachlorobutadiene

Concen: 5.634 ug/l

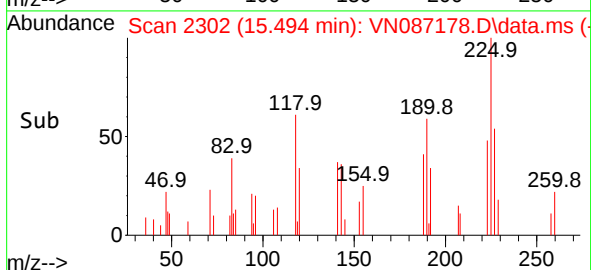
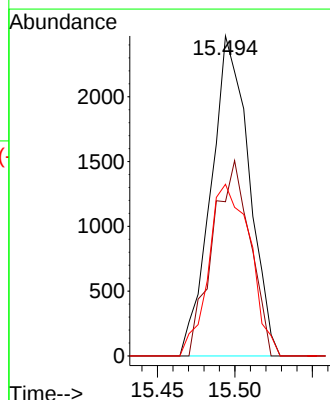
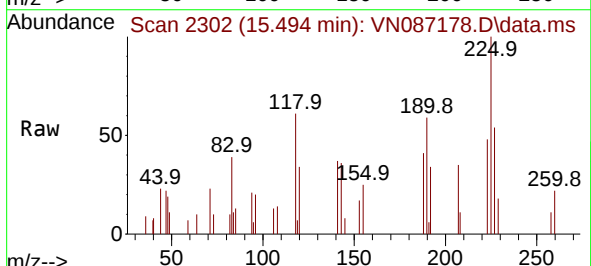
RT: 15.494 min Scan# 2302

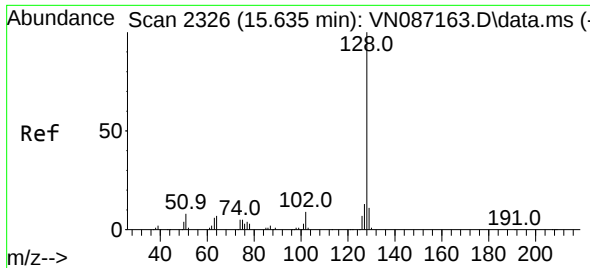
Delta R.T. 0.000 min

Lab File: VN087178.D

Acq: 25 Jun 2025 15:20

Tgt Ion:	225	Resp:	4206
Ion Ratio	Lower	Upper	
225	100		
223	60.4	0.0	134.2
227	58.9	0.0	122.6





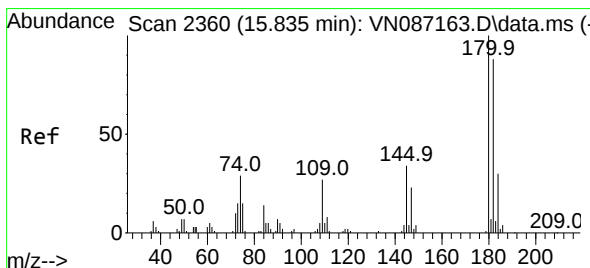
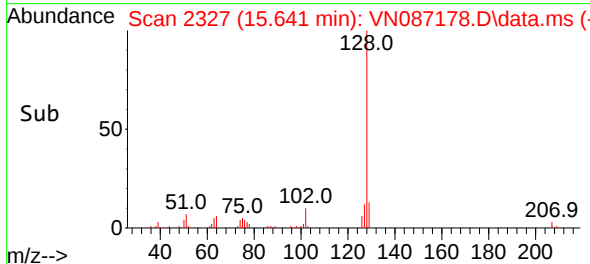
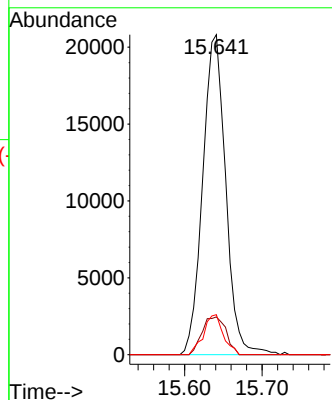
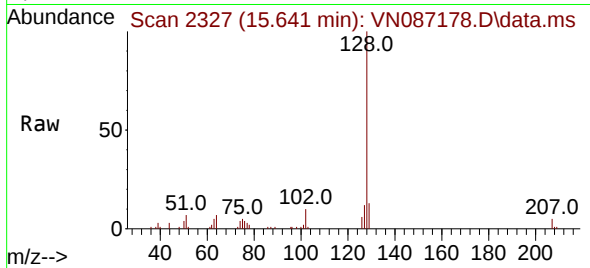
#91
Naphthalene
Concen: 4.339 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:128 Resp: 4295
Ion Ratio Lower Upper
128 100
127 12.2 10.6 15.8
129 10.8 8.8 13.2

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



#92
1,2,3-Trichlorobenzene
Concen: 4.838 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN087178.D
Acq: 25 Jun 2025 15:20

Tgt Ion:180 Resp: 12170
Ion Ratio Lower Upper
180 100
182 92.5 0.0 185.4
145 32.1 0.0 69.0

