

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086800.D
 Acq On : 28 May 2025 15:33
 Operator : JC\MD
 Sample : Q2126-09 0.75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: May 29 04:01:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	197458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	357970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	139200	51.017	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.040%	
35) Dibromofluoromethane	8.165	113	109325	51.281	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	10.565	98	456024	51.618	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	12.847	95	151392	48.532	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	1470	0.689	ug/l	80
3) Chloromethane	2.359	50	2904	0.900	ug/l	98
4) Vinyl Chloride	2.512	62	2162	0.746	ug/l	96
5) Bromomethane	2.959	94	1509	0.904	ug/l #	71
6) Chloroethane	3.118	64	1537	0.810	ug/l	98
7) Trichlorofluoromethane	3.495	101	2721	0.786	ug/l #	73
8) Diethyl Ether	3.953	74	962	0.673	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	1421	0.686	ug/l #	38
10) Methyl Iodide	4.589	142	2167	0.841	ug/l #	76
11) Tert butyl alcohol	5.500	59	1323m	2.662	ug/l	
12) 1,1-Dichloroethene	4.336	96	1609	0.731	ug/l #	79
13) Acrolein	4.177	56	589	1.109	ug/l #	59
14) Allyl chloride	5.018	41	2752	0.826	ug/l #	73
15) Acrylonitrile	5.724	53	4018	3.266	ug/l	93
16) Acetone	4.436	43	3075	3.013	ug/l #	84
17) Carbon Disulfide	4.712	76	5121	0.840	ug/l #	75
18) Methyl Acetate	5.024	43	3400	1.190	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	5371	0.716	ug/l	93
20) Methylene Chloride	5.283	84	2113	0.785	ug/l #	78
21) trans-1,2-Dichloroethene	5.795	96	1904	0.818	ug/l #	65
22) Diisopropyl ether	6.671	45	5148	0.685	ug/l #	86
23) Vinyl Acetate	6.612	43	11775	2.083	ug/l #	93
24) 1,1-Dichloroethane	6.565	63	3210	0.727	ug/l #	82
25) 2-Butanone	7.494	43	4717	2.991	ug/l	98
26) 2,2-Dichloropropane	7.489	77	2522	0.692	ug/l	88
27) cis-1,2-Dichloroethene	7.489	96	1999	0.699	ug/l	95
28) Bromochloromethane	7.806	49	1308	0.652	ug/l #	82
29) Tetrahydrofuran	7.841	42	3278	3.184	ug/l	97
30) Chloroform	7.959	83	3044	0.689	ug/l	89
31) Cyclohexane	8.224	56	6838	1.670	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	2923	0.784	ug/l #	47
36) 1,1-Dichloropropene	8.359	75	2222	0.707	ug/l #	69
37) Ethyl Acetate	7.565	43	2267	0.714	ug/l #	67
38) Carbon Tetrachloride	8.353	117	2285	0.737	ug/l	96
39) Methylcyclohexane	9.600	83	2500	0.735	ug/l	96
40) Benzene	8.600	78	7769	0.757	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1333	0.777	ug/l #	65
42) 1,2-Dichloroethane	8.665	62	2464	0.771	ug/l	81
43) Isopropyl Acetate	8.688	43	4242	0.666	ug/l #	94
44) Trichloroethene	9.353	130	2403	0.971	ug/l	88
45) 1,2-Dichloropropane	9.618	63	1855	0.761	ug/l	92
46) Dibromomethane	9.712	93	1138	0.692	ug/l	98
47) Bromodichloromethane	9.888	83	2408	0.711	ug/l #	75
48) Methyl methacrylate	9.677	41	1614	0.654	ug/l	93
49) 1,4-Dioxane	9.700	88	547	10.469	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	9877	3.076	ug/l	96
52) Toluene	10.630	92	4921	0.772	ug/l	89
53) t-1,3-Dichloropropene	10.835	75	2616	0.729	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	3127	0.799	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	1705	0.717	ug/l #	88
56) Ethyl methacrylate	10.871	69	2228	0.583	ug/l #	87
57) 1,3-Dichloropropane	11.159	76	2875	0.702	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	5445	3.190	ug/l	97
59) 2-Hexanone	11.194	43	6763	2.884	ug/l	97
60) Dibromochloromethane	11.353	129	1880	0.754	ug/l	90
61) 1,2-Dibromoethane	11.465	107	1451	0.607	ug/l	99
64) Tetrachloroethene	11.100	164	2761	1.138	ug/l #	70
65) Chlorobenzene	11.882	112	5156	0.743	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	11.959	131	1782	0.795	ug/l #	64
67) Ethyl Benzene	11.965	91	8808	0.741	ug/l	95
68) m/p-Xylenes	12.071	106	6364	1.413	ug/l	98
69) o-Xylene	12.388	106	2973	0.664	ug/l	100
70) Styrene	12.412	104	4535	0.619	ug/l	99
71) Bromoform	12.576	173	1010	0.634	ug/l #	83
73) Isopropylbenzene	12.694	105	7339	0.742	ug/l	97
74) N-amyl acetate	12.488	43	2534	0.614	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	1636	0.539	ug/l #	96
76) 1,2,3-Trichloropropane	12.988	75	2608m	0.901	ug/l	
77) Bromobenzene	12.982	156	1981	0.797	ug/l	98
78) n-propylbenzene	13.029	91	7988	0.704	ug/l	98
79) 2-Chlorotoluene	13.123	91	5958	0.808	ug/l	92
80) 1,3,5-Trimethylbenzene	13.171	105	5420	0.684	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	546m	0.476	ug/l	
82) 4-Chlorotoluene	13.223	91	5457	0.747	ug/l	99
83) tert-Butylbenzene	13.435	119	5038	0.729	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	5576	0.707	ug/l	98
85) sec-Butylbenzene	13.612	105	6123	0.661	ug/l	99
86) p-Isopropyltoluene	13.723	119	4611	0.607	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	3455	0.802	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	3280m	0.769	ug/l	
89) n-Butylbenzene	14.053	91	4227	0.672	ug/l	91
90) Hexachloroethane	14.329	117	918	0.729	ug/l	91
91) 1,2-Dichlorobenzene	14.100	146	3086	0.753	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.712	75	157	0.312	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.394	180	1151	0.666	ug/l	89
94) Hexachlorobutadiene	15.500	225	470	0.655	ug/l #	66
95) Naphthalene	15.635	128	4170	0.695	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.829	180	1112	0.657	ug/l	86

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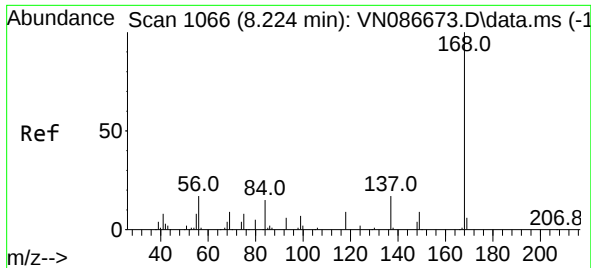
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 05/29/2025

Quant Time: May 29 04:01:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

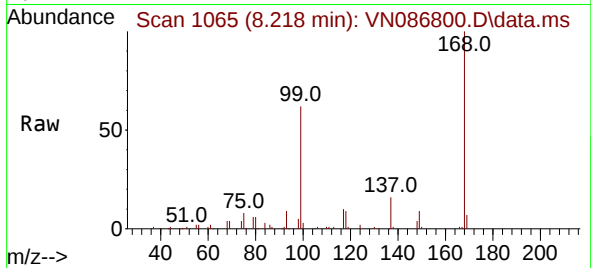
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086800.D
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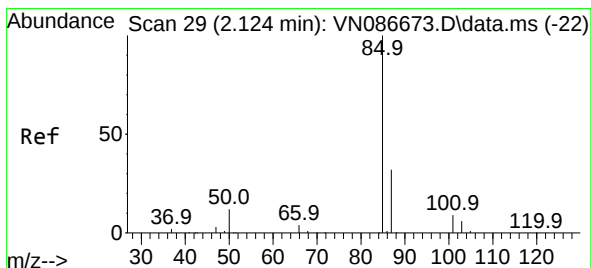
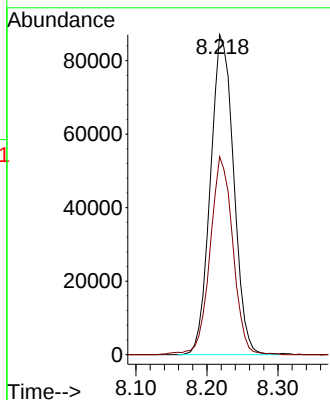
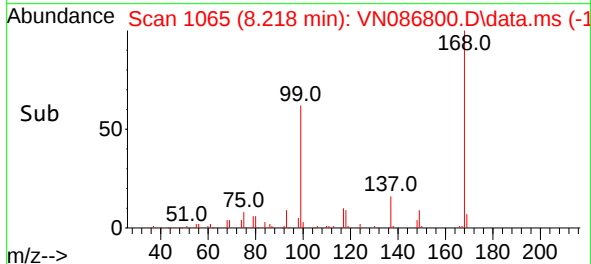
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



Tgt Ion:168 Resp: 197458
Ion Ratio Lower Upper
168 100
99 61.6 47.0 70.4

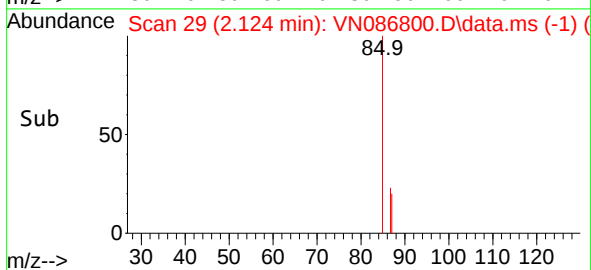
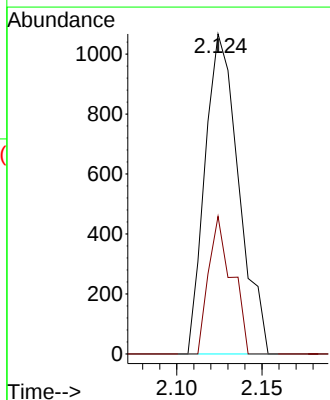
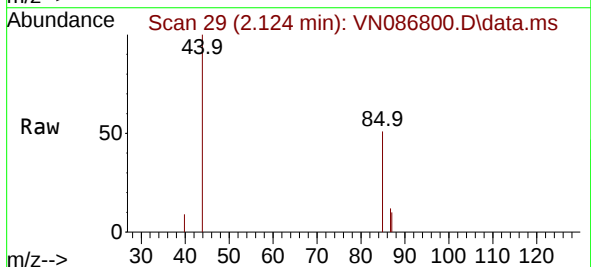
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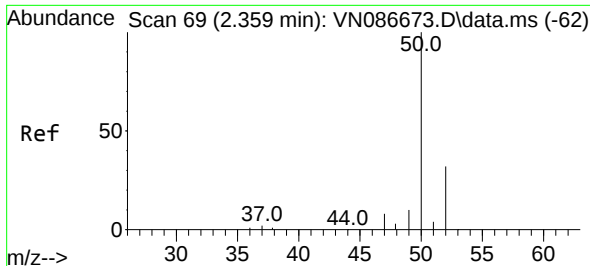
Reviewed By :John Carlone 05/29/2025
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#2
Dichlorodifluoromethane
Concen: 0.689 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion: 85 Resp: 1470
Ion Ratio Lower Upper
85 100
87 43.0 15.9 47.6





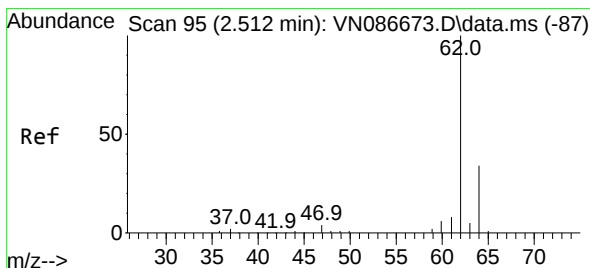
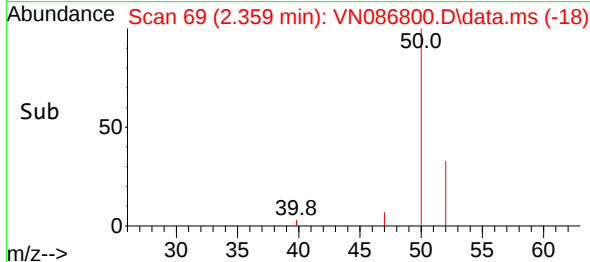
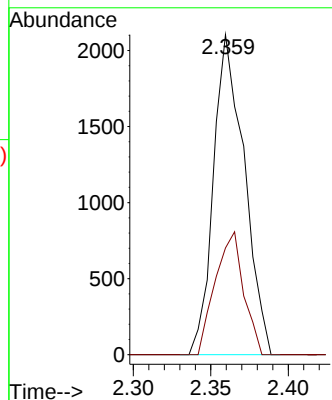
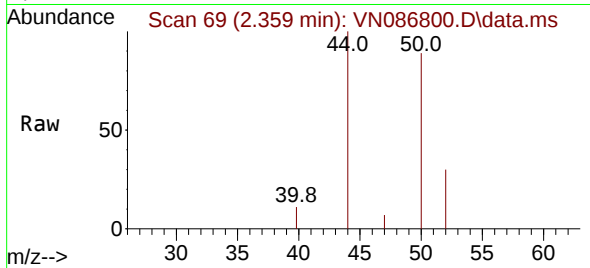
#3
Chloromethane
Concen: 0.900 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

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Tgt Ion: 50 Resp: 2904
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9

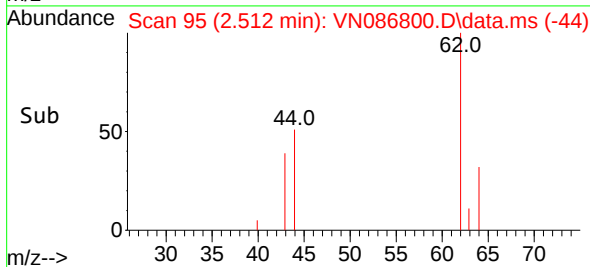
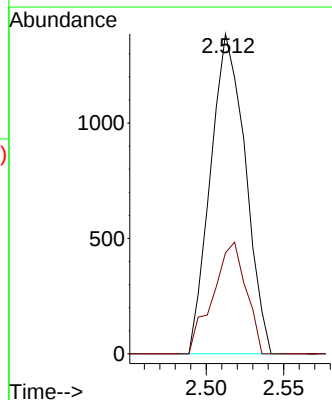
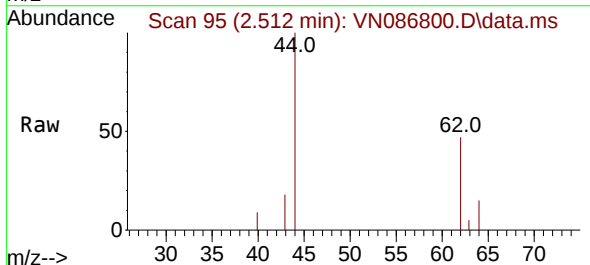
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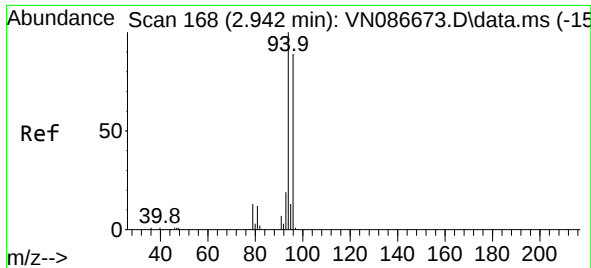
Reviewed By :John Carlone 05/29/2025
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#4
Vinyl Chloride
Concen: 0.746 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

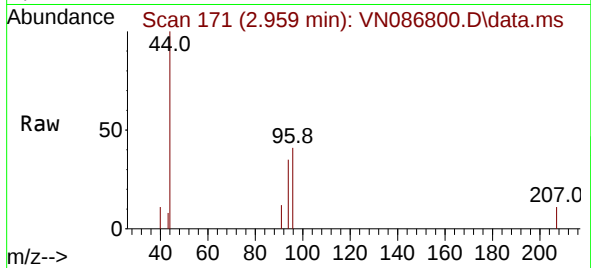
Tgt Ion: 62 Resp: 2162
Ion Ratio Lower Upper
62 100
64 31.6 26.9 40.3





#5
Bromomethane
Concen: 0.904 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

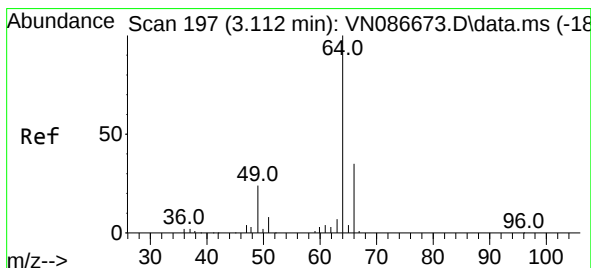
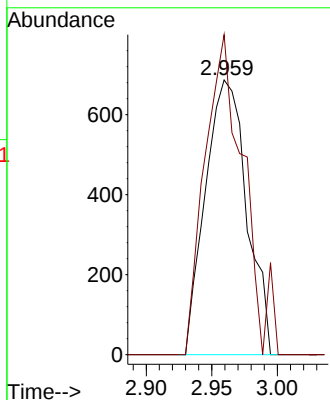
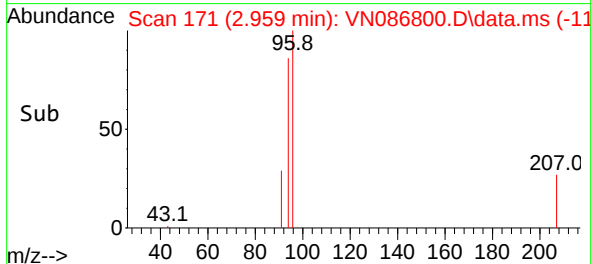
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Tgt Ion: 94 Resp: 1509
Ion Ratio Lower Upper
94 100
96 116.4 71.2 106.8

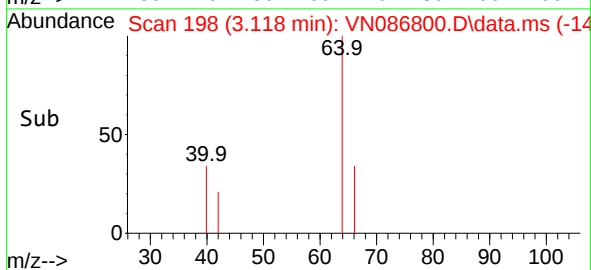
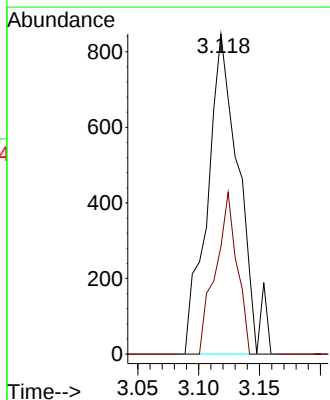
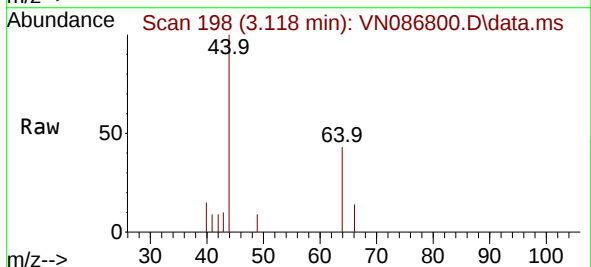
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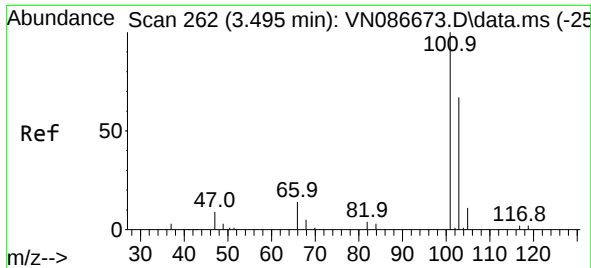
Reviewed By :John Carlone 05/29/2025
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#6
Chloroethane
Concen: 0.810 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086800.D
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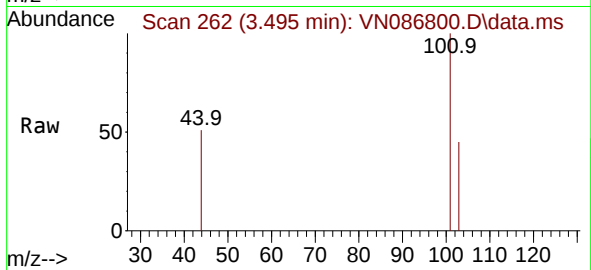
Tgt Ion: 64 Resp: 1537
Ion Ratio Lower Upper
64 100
66 33.5 27.7 41.5





#7
 Trichlorofluoromethane
 Concen: 0.786 ug/l
 RT: 3.495 min Scan# 210
 Delta R.T. 0.000 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

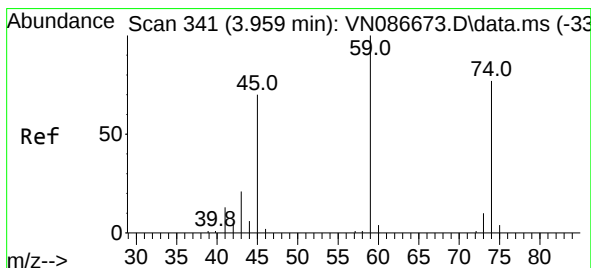
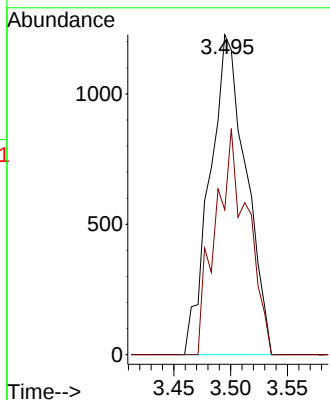
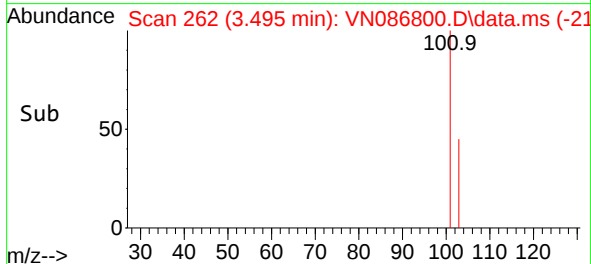
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025



Tgt Ion: 101 Resp: 272
 Ion Ratio Lower Upper
 101 100
 103 45.2 53.4 80.0

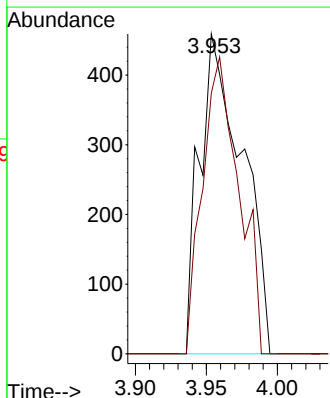
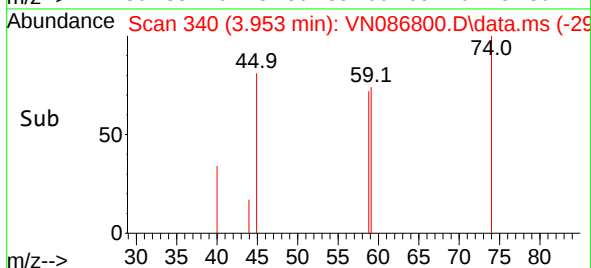
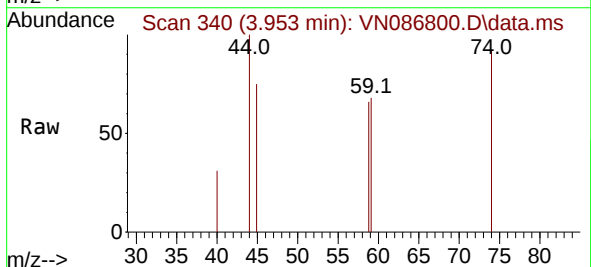
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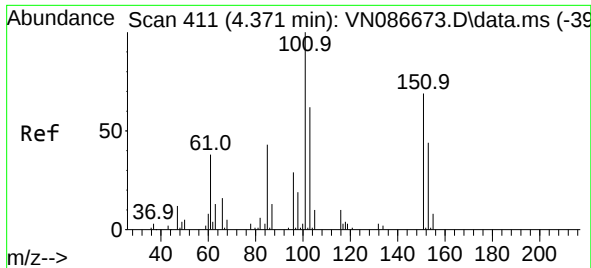
Reviewed By : John Carlone 05/29/2025
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#8
 Diethyl Ether
 Concen: 0.673 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.006 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

Tgt Ion: 74 Resp: 962
 Ion Ratio Lower Upper
 74 100
 45 79.5 45.0 135.0





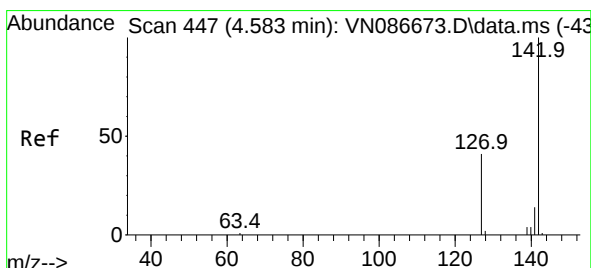
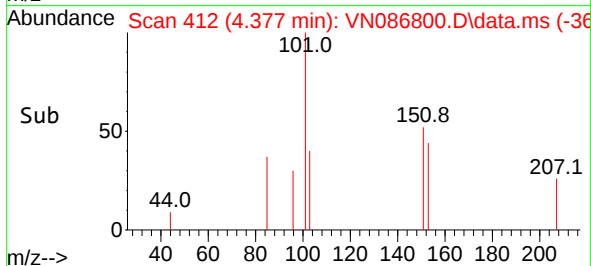
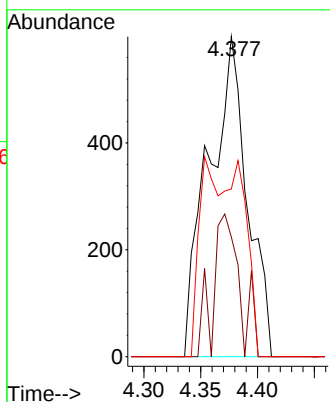
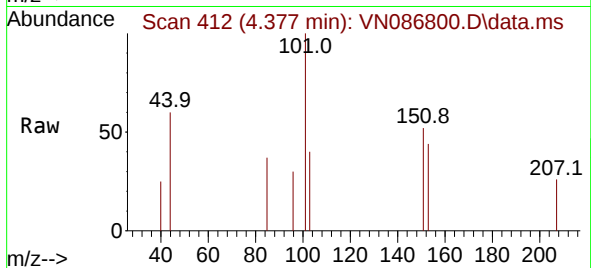
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.686 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion:101 Resp: 142
Ion Ratio Lower Upper
101 100
85 30.7 35.0 52.6
151 0.0 58.1 87.1

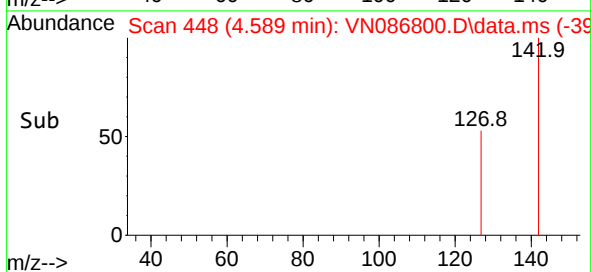
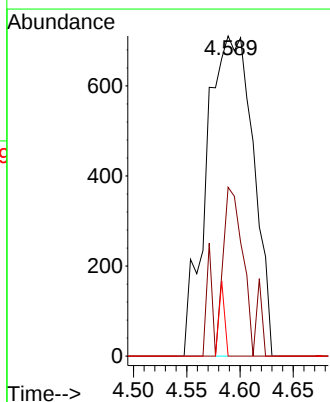
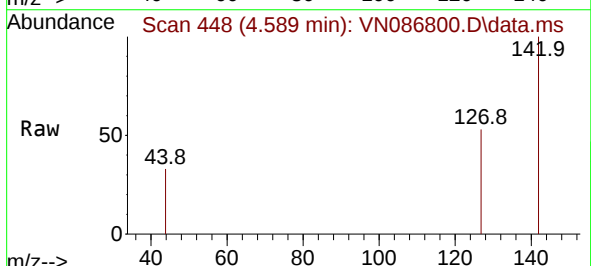
Manual Integrations
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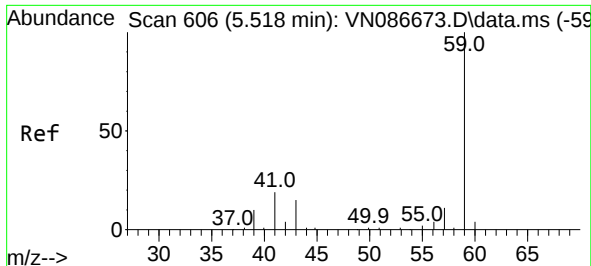
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#10
Methyl Iodide
Concen: 0.841 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

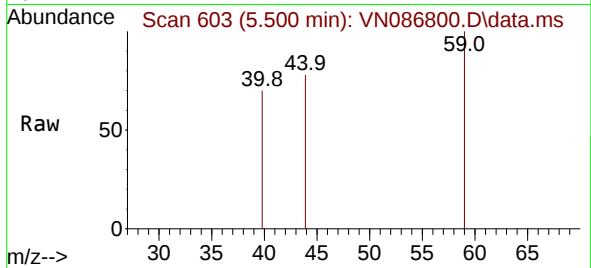
Tgt Ion:142 Resp: 2167
Ion Ratio Lower Upper
142 100
127 52.7 32.4 48.6#
141 0.0 11.4 17.2#





#11
Tert butyl alcohol
Concen: 2.662 ug/l m
RT: 5.500 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

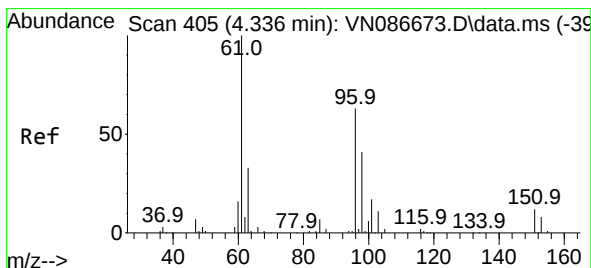
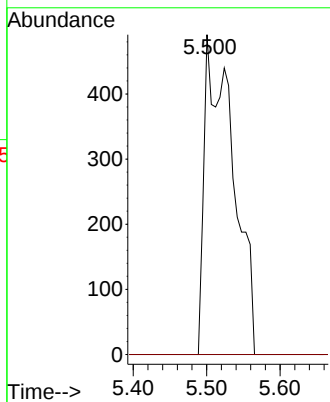
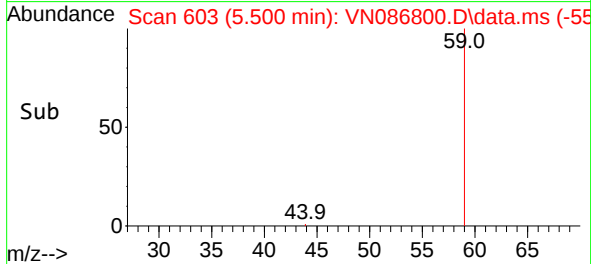
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



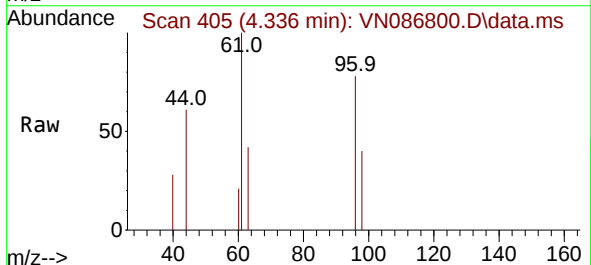
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

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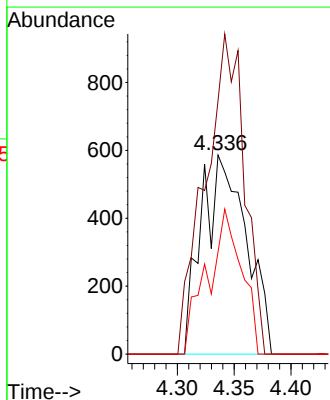
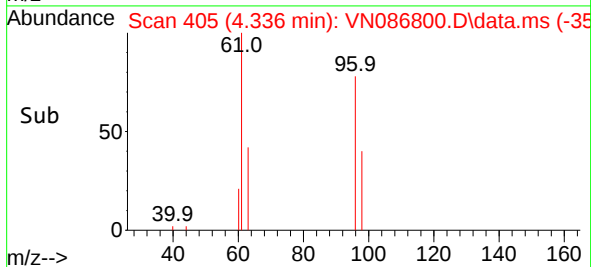
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#12
1,1-Dichloroethene
Concen: 0.731 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion: 96 Resp: 1609
Ion Ratio Lower Upper
96 100
61 127.5 126.2 189.2
98 51.4 51.5 77.3





#13

Acrolein

Concen: 1.109 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN086800.D

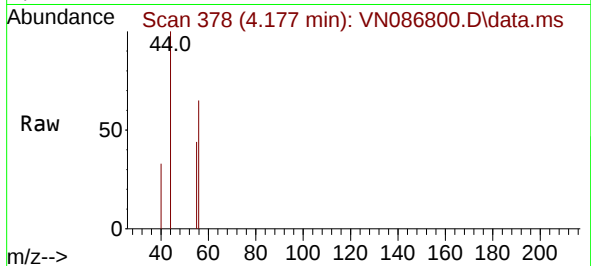
Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

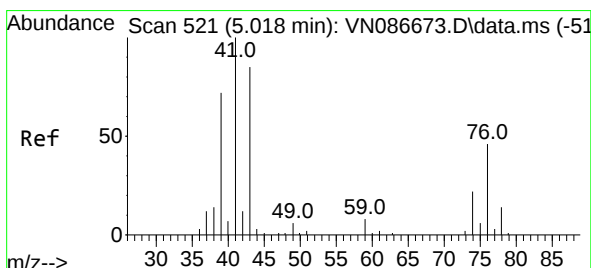
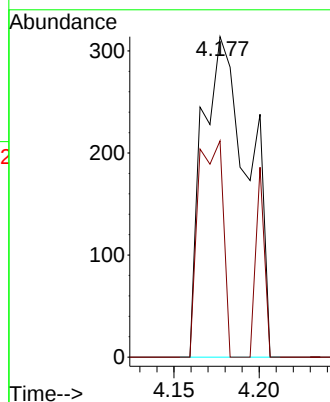
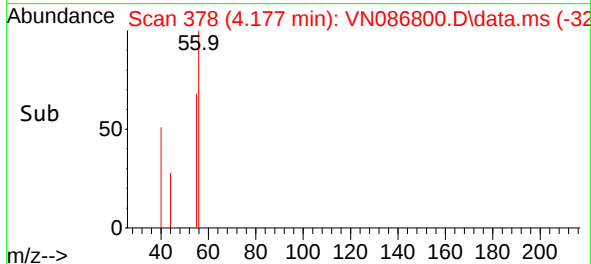
MDL-WATER-03-QT2-2025



Tgt Ion: 56	Resp: 589
Ion Ratio	Lower Upper
56	100
55	36.3 55.7 83.5

Manual Integrations
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Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#14

Allyl chloride

Concen: 0.826 ug/l

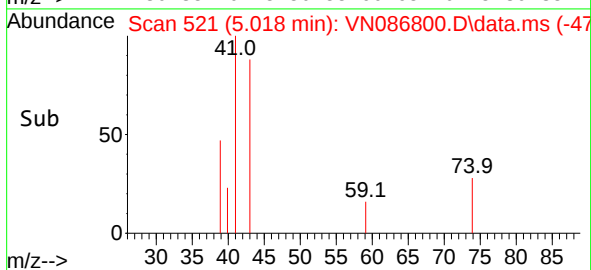
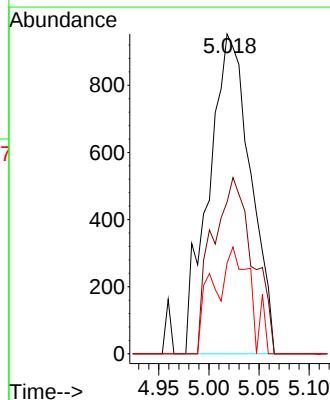
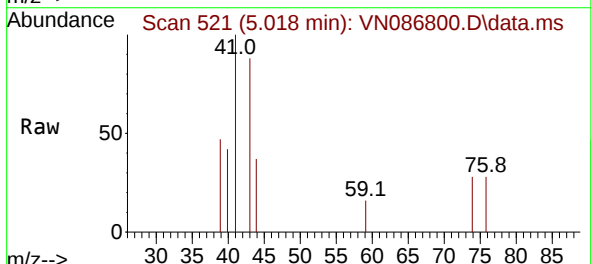
RT: 5.018 min Scan# 521

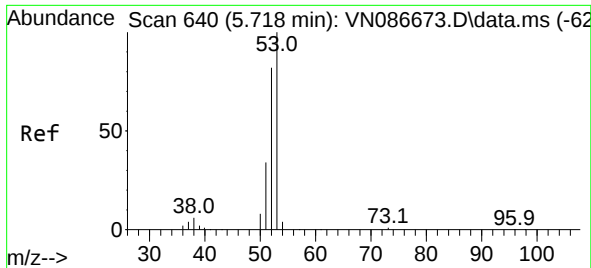
Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

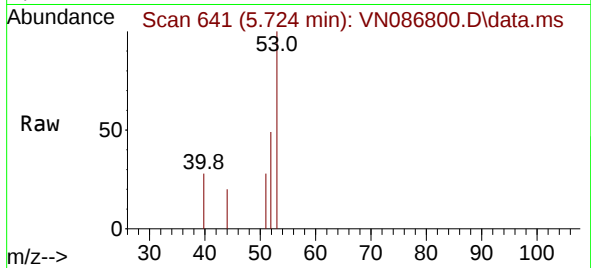
Tgt Ion: 41	Resp: 2752
Ion Ratio	Lower Upper
41	100
39	53.7 57.4 86.0#
76	19.6 33.2 49.8#





#15
Acrylonitrile
Concen: 3.266 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

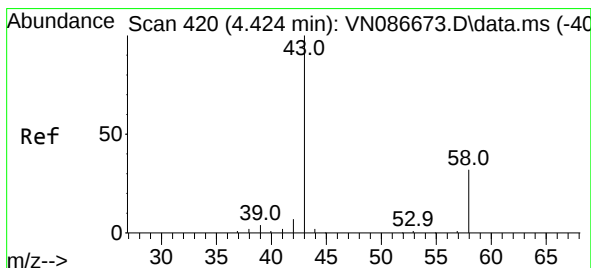
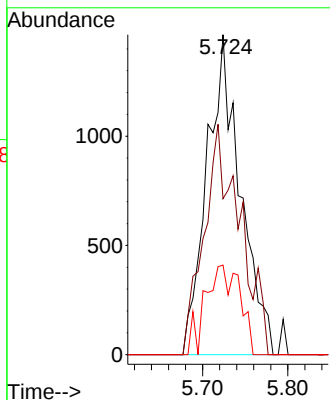
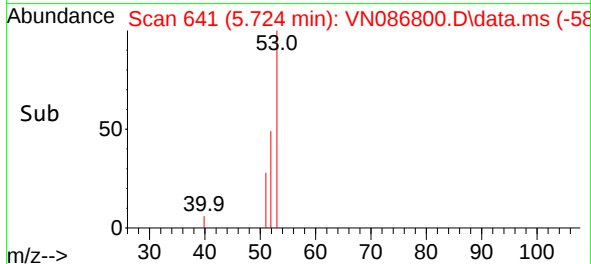
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



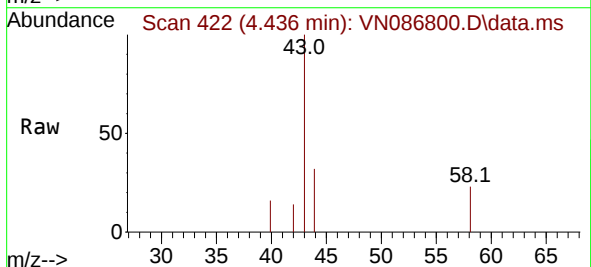
Tgt Ion: 53 Resp: 4018
Ion Ratio Lower Upper
53 100
52 76.9 65.4 98.2
51 28.7 27.9 41.9

Manual Integrations
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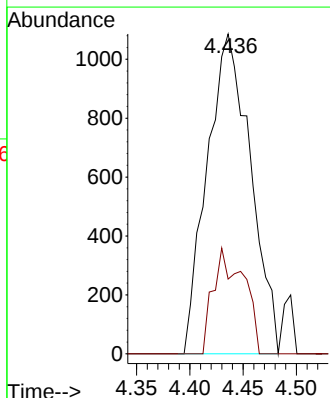
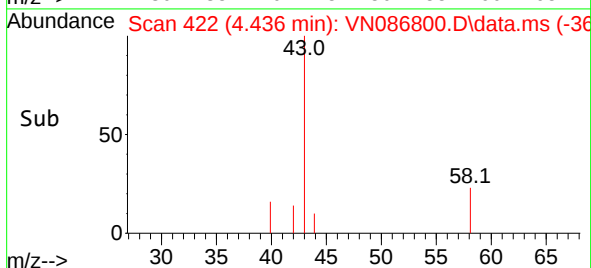
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#16
Acetone
Concen: 3.013 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



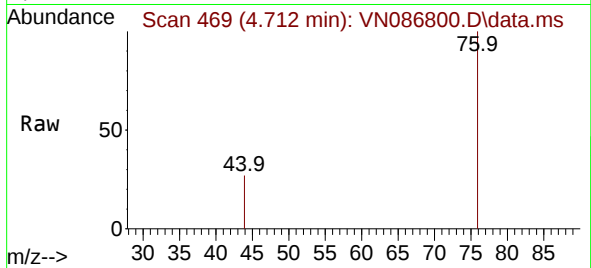
Tgt Ion: 43 Resp: 3075
Ion Ratio Lower Upper
43 100
58 23.4 25.8 38.6#





#17
Carbon Disulfide
Concen: 0.840 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

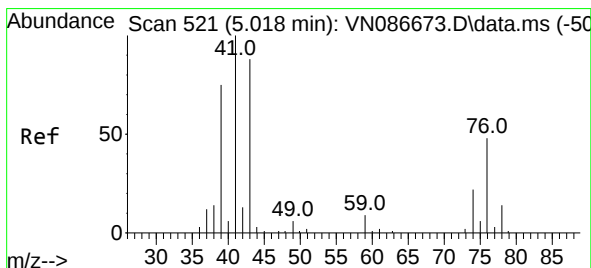
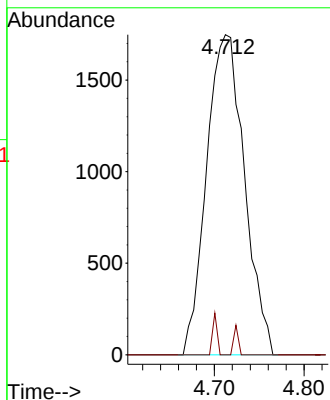
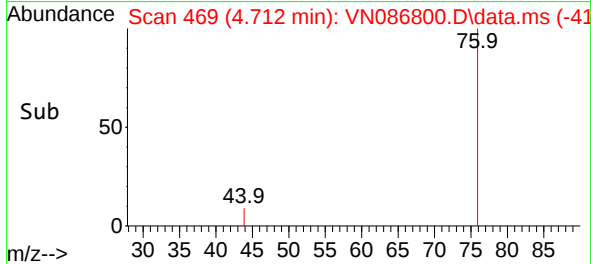
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



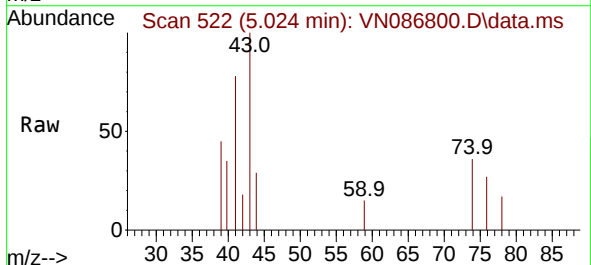
Tgt Ion: 76 Resp: 512
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9

Manual Integrations
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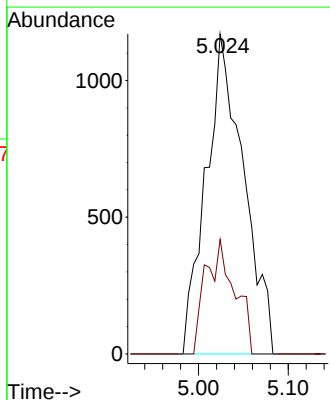
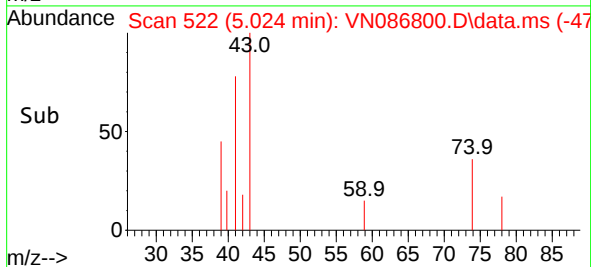
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

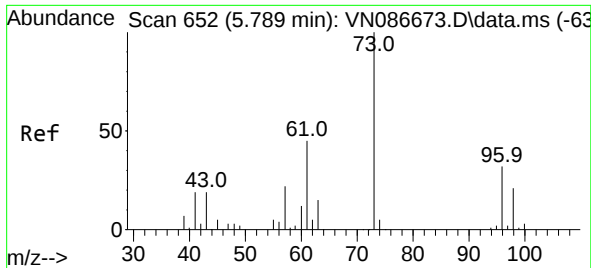


#18
Methyl Acetate
Concen: 1.190 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion: 43 Resp: 3400
Ion Ratio Lower Upper
43 100
74 27.7 20.5 30.7





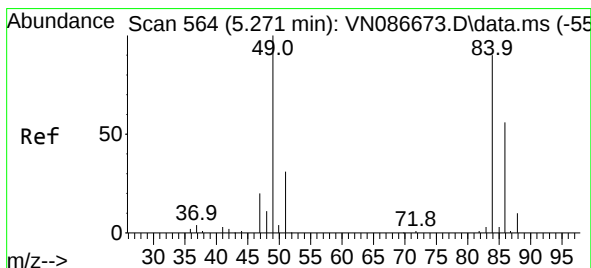
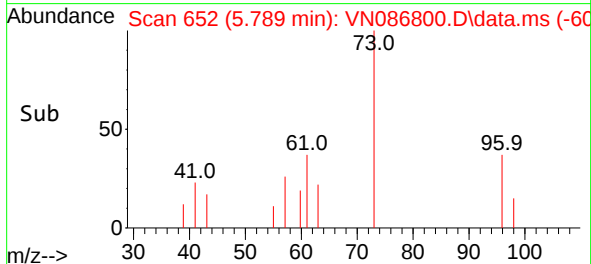
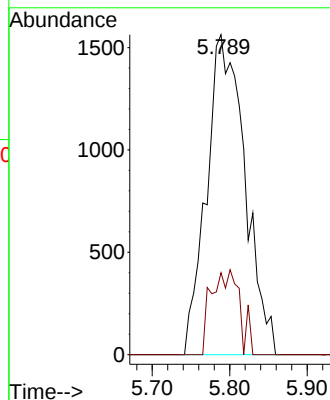
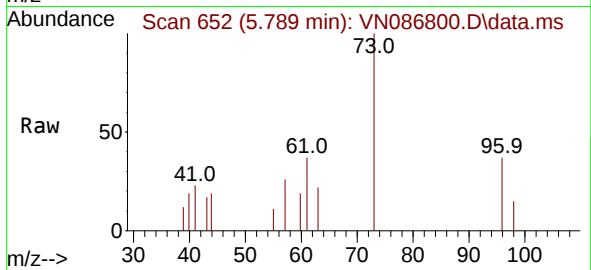
#19
Methyl tert-butyl Ether
Concen: 0.716 ug/l
RT: 5.789 min Scan# 619
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 73 Resp: 537
Ion Ratio Lower Upper
73 100
57 25.6 17.7 26.5

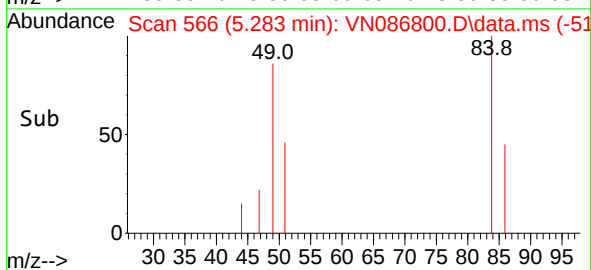
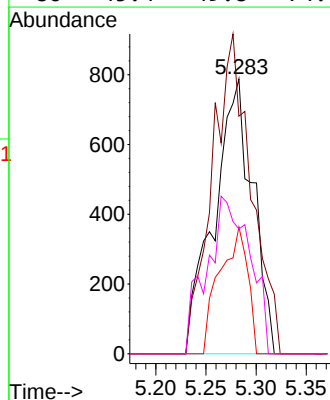
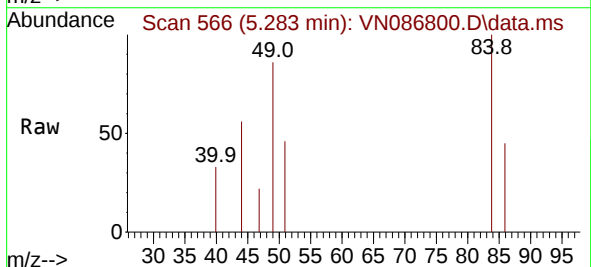
Manual Integrations
APPROVED

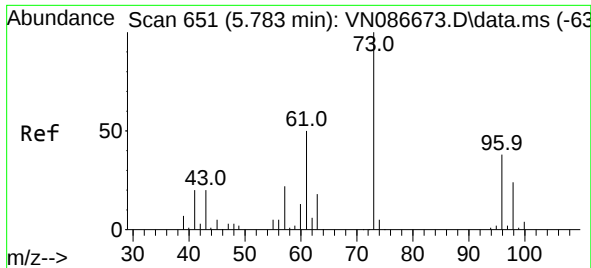
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#20
Methylene Chloride
Concen: 0.785 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

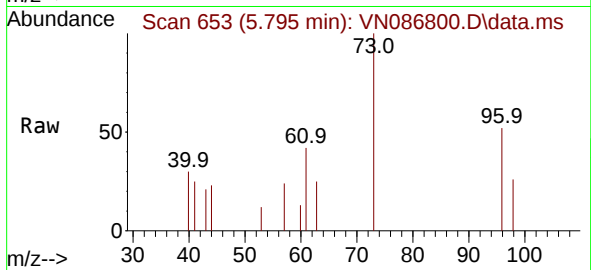
Tgt Ion: 84 Resp: 2113
Ion Ratio Lower Upper
84 100
49 86.4 88.8 133.2#
51 46.2 27.8 41.6#
86 45.4 49.8 74.6#





#21
trans-1,2-Dichloroethene
Concen: 0.818 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

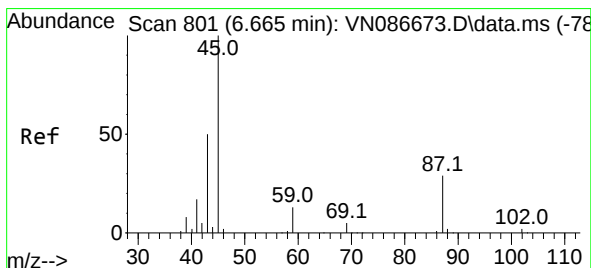
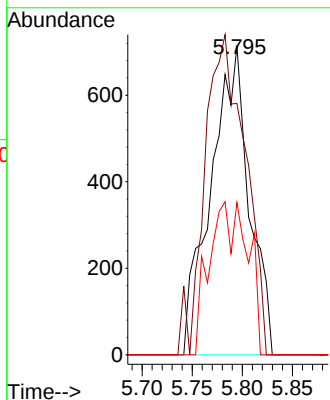
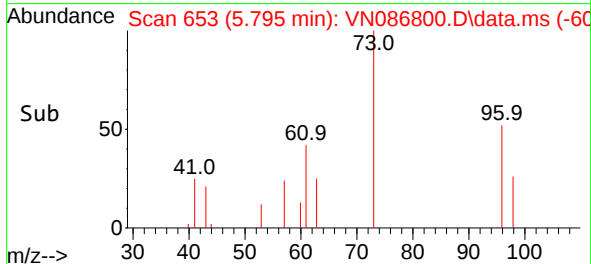
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 96 Resp: 1904
Ion Ratio Lower Upper
96 100
61 81.3 105.7 158.5
98 49.2 51.0 76.6

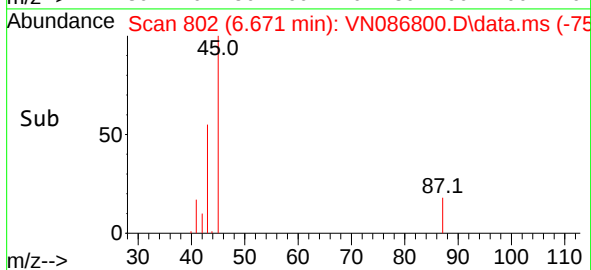
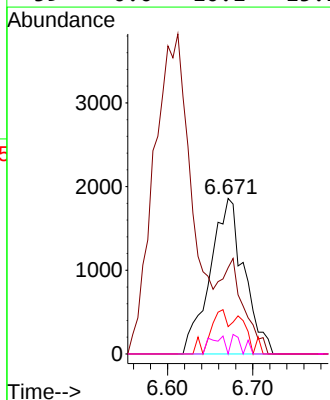
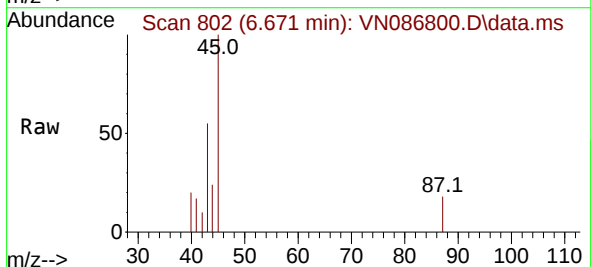
Manual Integrations
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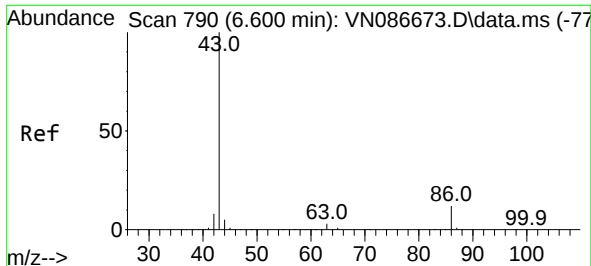
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#22
Diisopropyl ether
Concen: 0.685 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion: 45 Resp: 5148
Ion Ratio Lower Upper
45 100
43 55.5 41.4 62.2
87 17.5 22.9 34.3#
59 0.0 10.1 15.1#





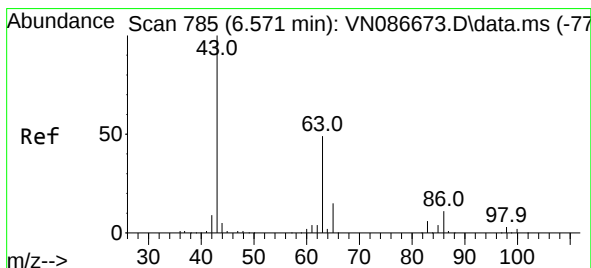
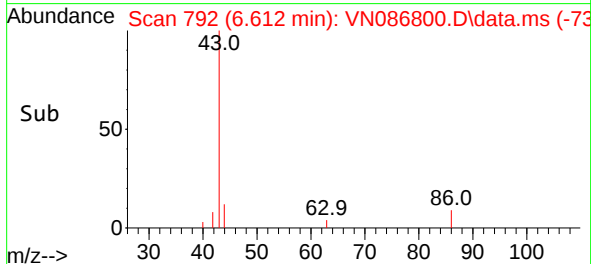
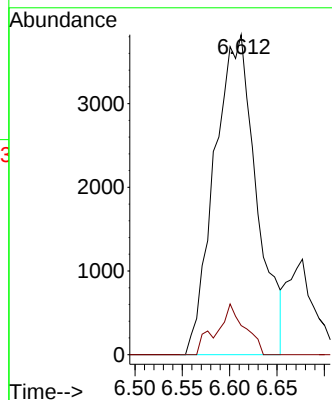
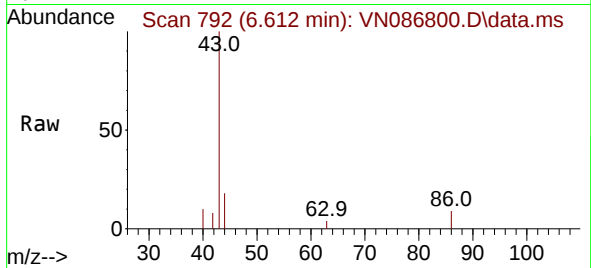
#23
 Vinyl Acetate
 Concen: 2.083 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.012 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Tgt Ion: 43 Resp: 1177
 Ion Ratio Lower Upper
 43 100
 86 9.1 9.5 14.3

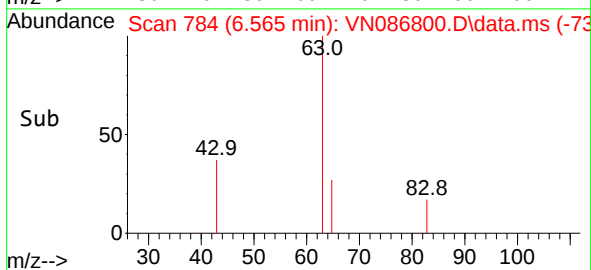
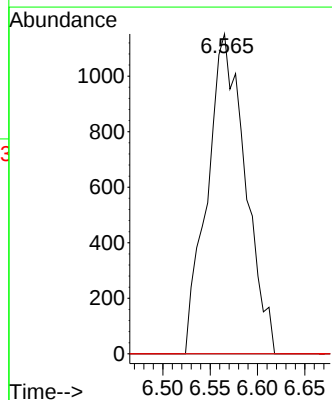
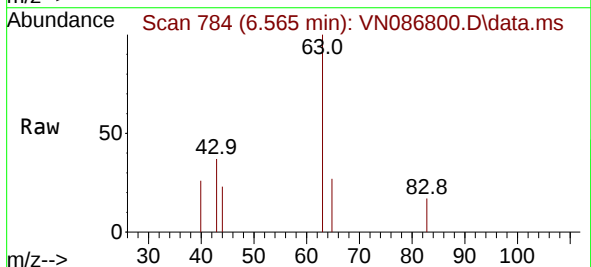
Manual Integrations
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Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#24
 1,1-Dichloroethane
 Concen: 0.727 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

Tgt Ion: 63 Resp: 3210
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.4 7.1#





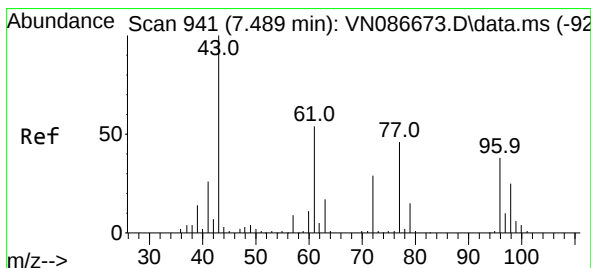
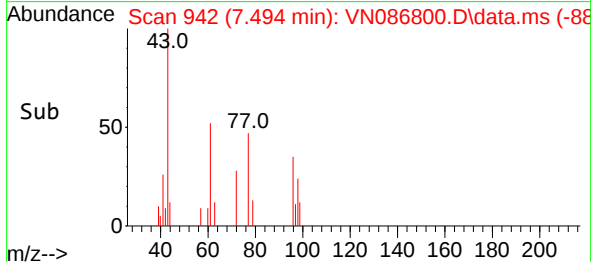
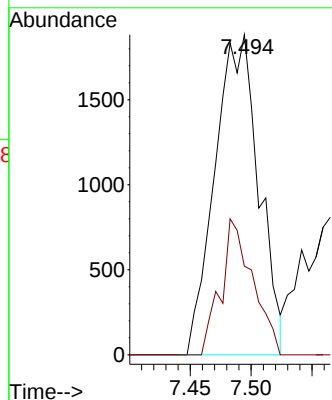
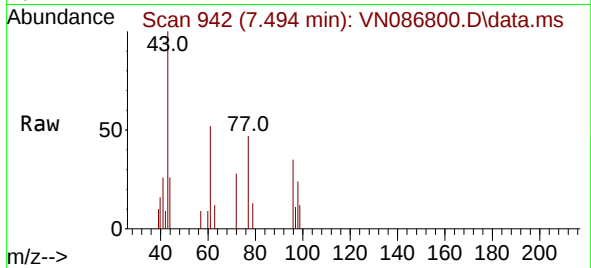
#25
2-Butanone
Concen: 2.991 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
72 27.7 23.1 34.7

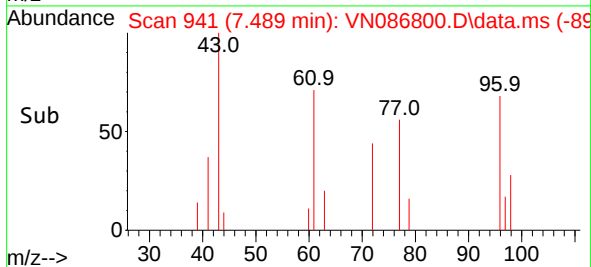
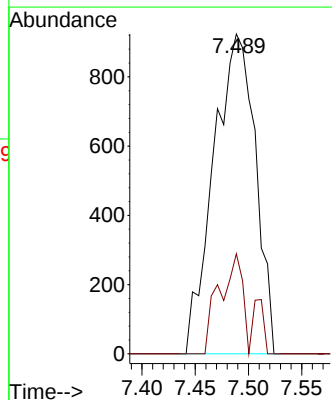
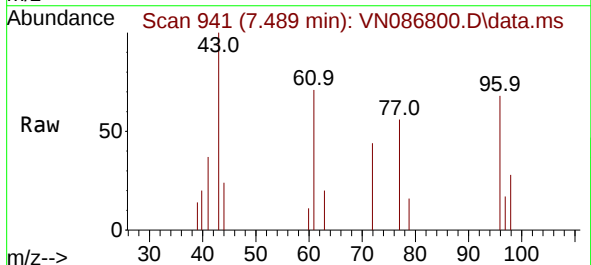
Manual Integrations
APPROVED

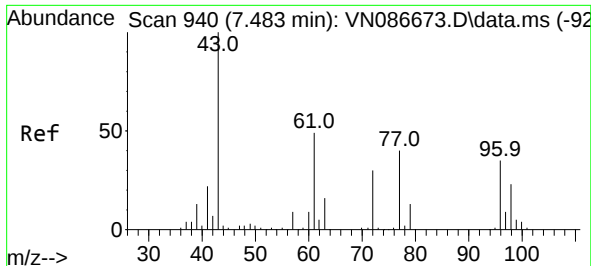
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#26
2,2-Dichloropropane
Concen: 0.692 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

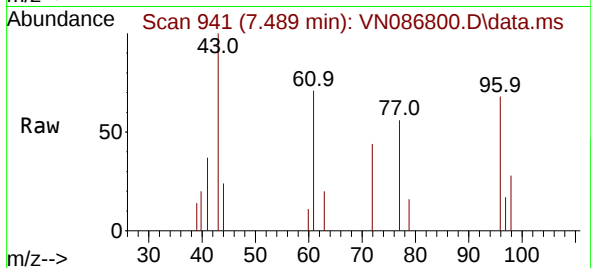
Tgt Ion: 77 Resp: 2522
Ion Ratio Lower Upper
77 100
97 17.3 11.6 34.7





#27
 cis-1,2-Dichloroethene
 Concen: 0.699 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

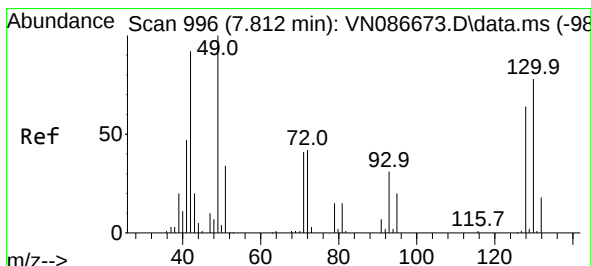
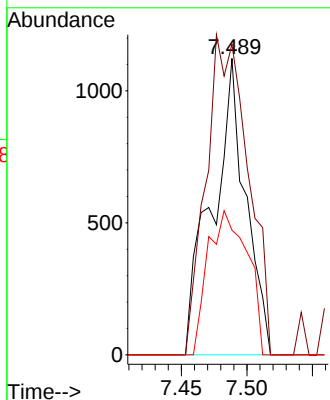
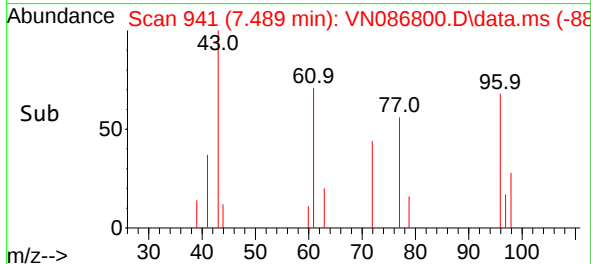
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025



Tgt Ion: 96 Resp: 1998
 Ion Ratio Lower Upper
 96 100
 61 135.4 0.0 277.4
 98 57.2 0.0 129.6

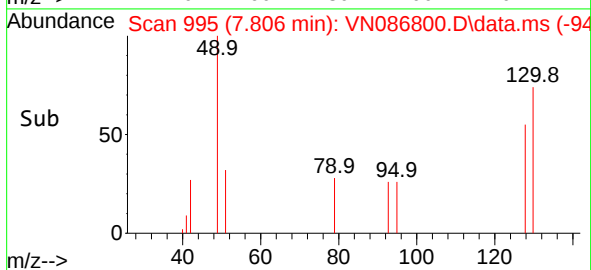
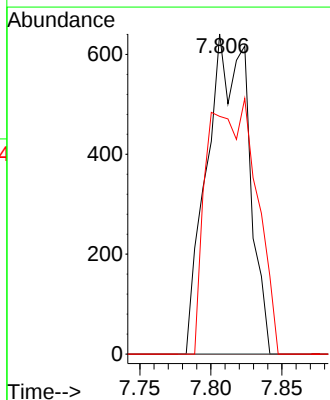
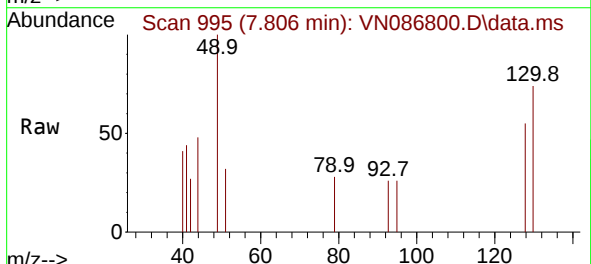
Manual Integrations
 APPROVED

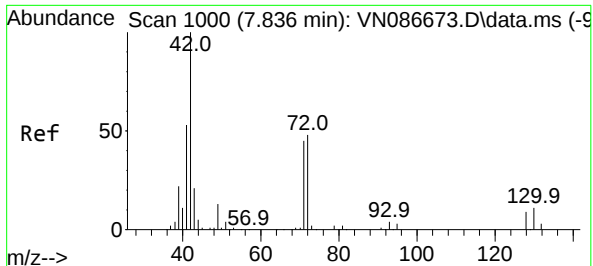
Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#28
 Bromochloromethane
 Concen: 0.652 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.006 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

Tgt Ion: 49 Resp: 1308
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 94.1 62.2 93.4#





#29

Tetrahydrofuran

Concen: 3.184 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086800.D

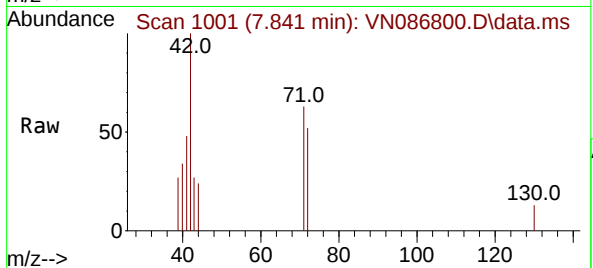
Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025



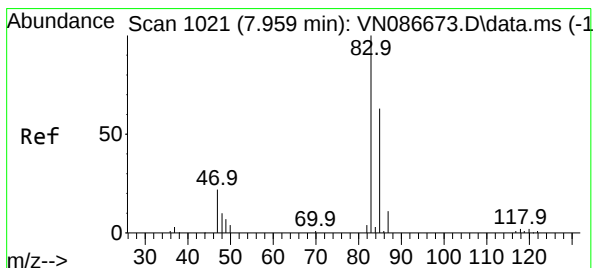
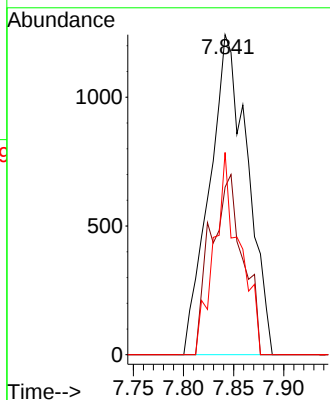
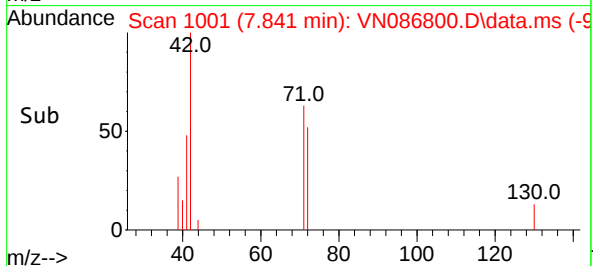
Tgt Ion:	42	Resp:	3278
Ion Ratio	100	Lower	Upper
42	100		
72	47.8	38.7	58.1
71	42.3	36.2	54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#30

Chloroform

Concen: 0.689 ug/l

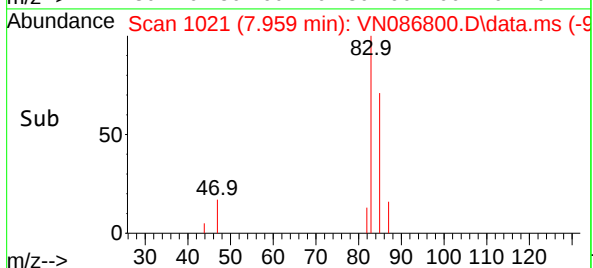
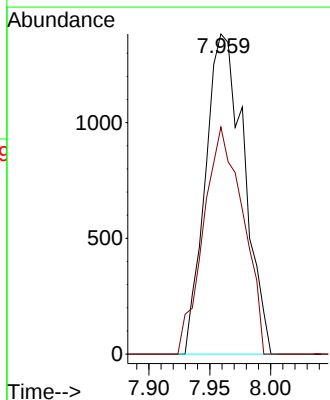
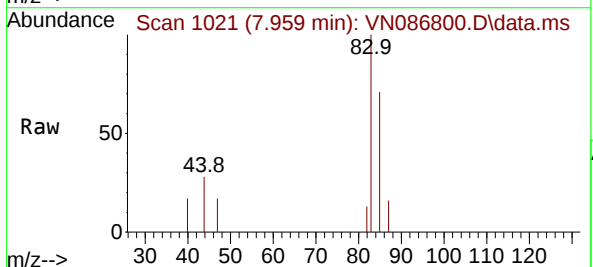
RT: 7.959 min Scan# 1021

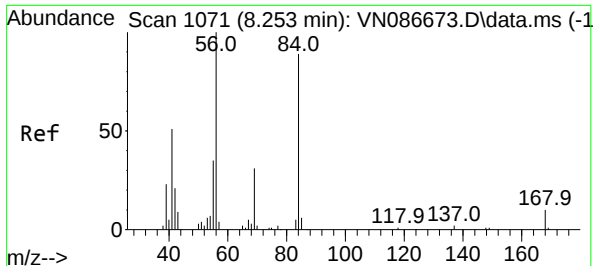
Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

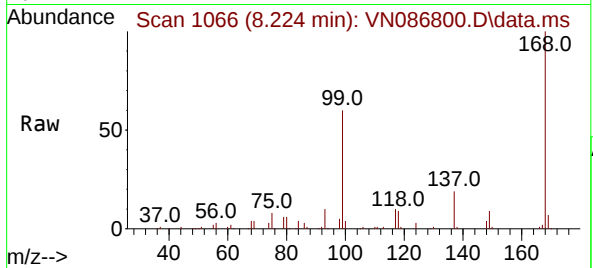
Tgt Ion:	83	Resp:	3044
Ion Ratio	100	Lower	Upper
83	100		
85	70.9	50.2	75.4





#31
Cyclohexane
Concen: 1.670 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

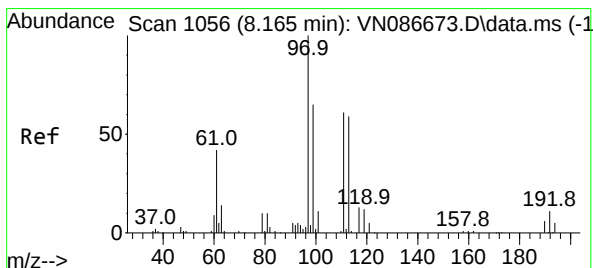
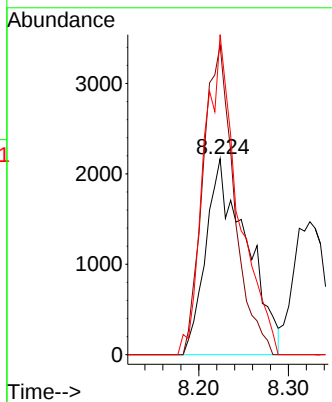
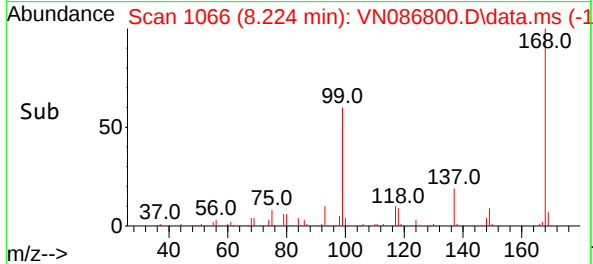
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



Tgt Ion: 56 Resp: 6838
Ion Ratio Lower Upper
56 100
69 158.1 25.0 37.6
84 163.3 71.0 106.4

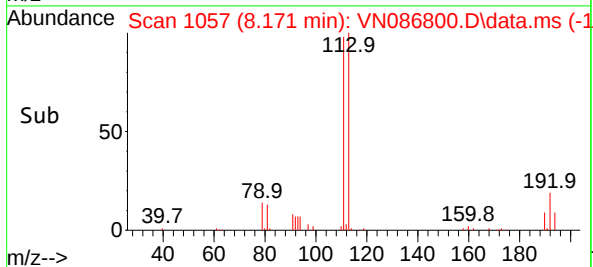
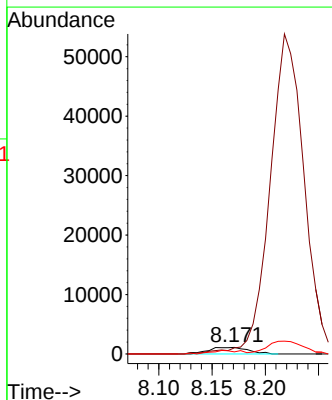
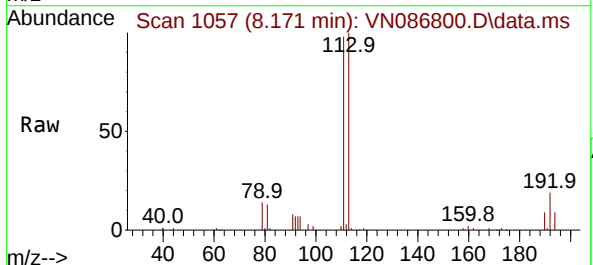
Manual Integrations
APPROVED

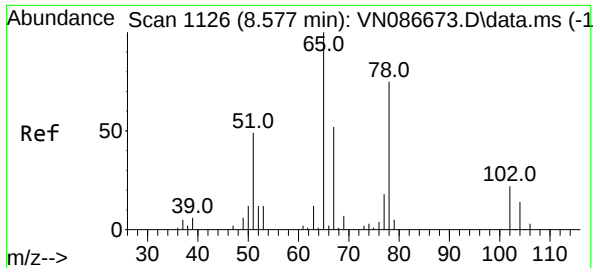
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#32
1,1,1-Trichloroethane
Concen: 0.784 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion: 97 Resp: 2923
Ion Ratio Lower Upper
97 100
99 0.0 52.6 79.0
61 39.5 37.7 56.5





#33

1,2-Dichloroethane-d4

Concen: 51.017 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 65 Resp: 139200

Ion Ratio Lower Upper

65 100

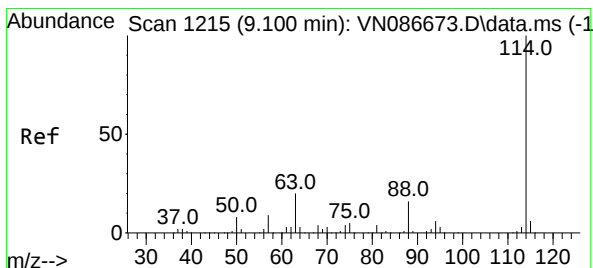
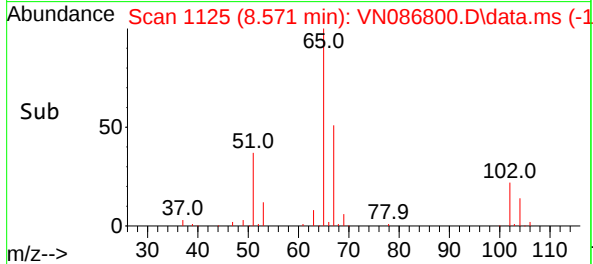
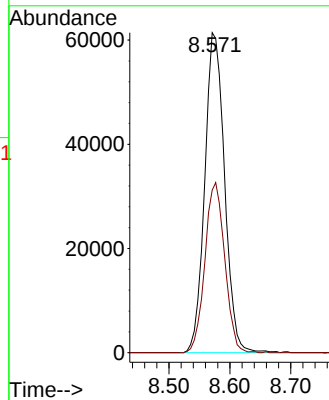
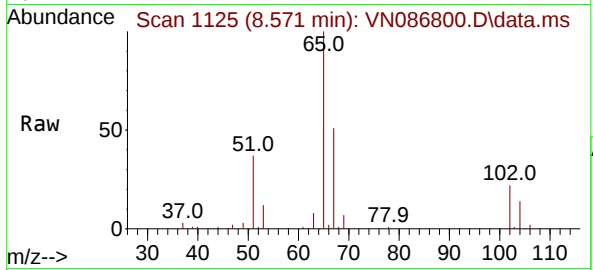
67 53.0 0.0 106.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

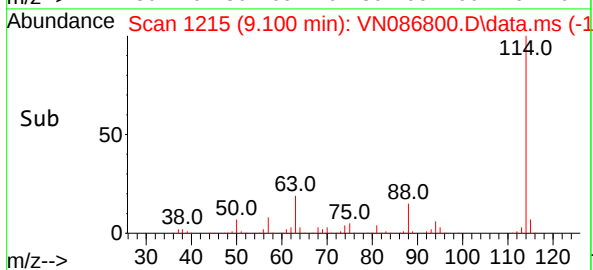
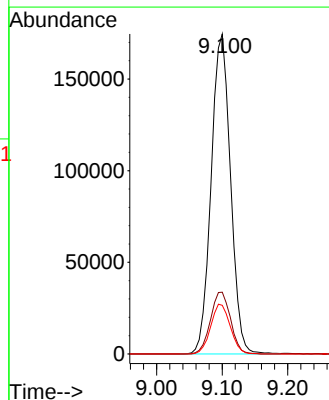
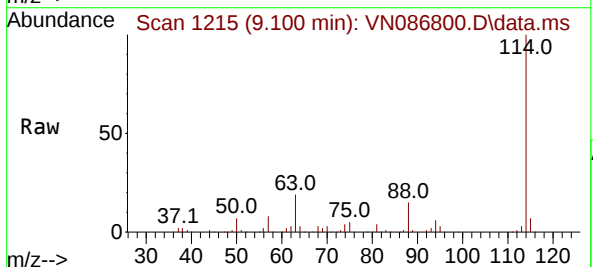
Tgt Ion:114 Resp: 357970

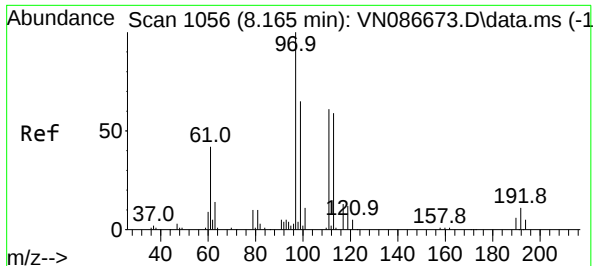
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.2

88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.281 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

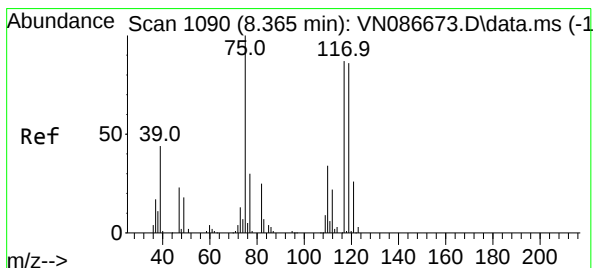
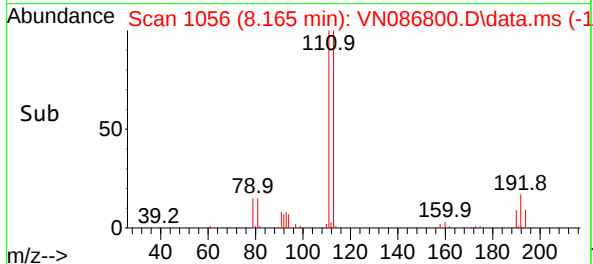
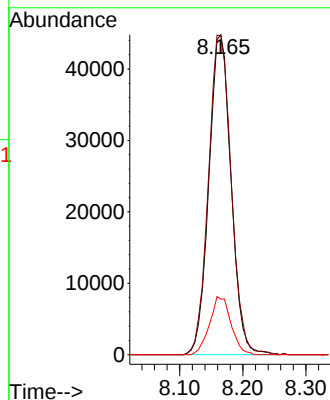
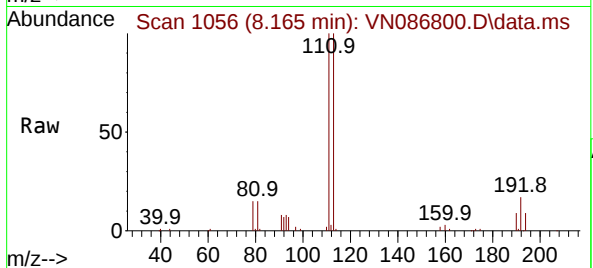
Tgt Ion:	113	Resp:	10932
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.2	123.2
192	17.5	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#36

1,1-Dichloropropene

Concen: 0.707 ug/l

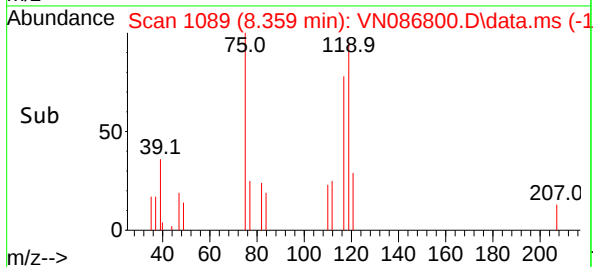
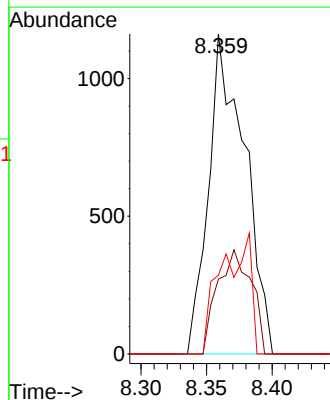
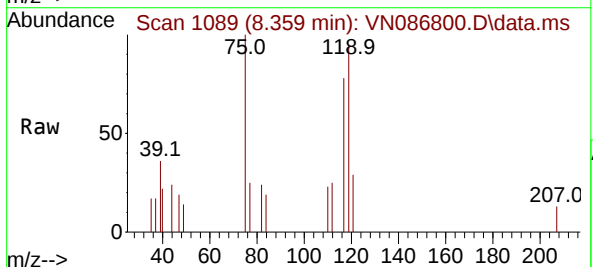
RT: 8.359 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Tgt Ion:	75	Resp:	2222
Ion Ratio	Lower	Upper	
75	100		
110	30.4	17.5	52.5
77	0.0	25.1	37.7





#37

Ethyl Acetate

Concen: 0.714 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086800.D

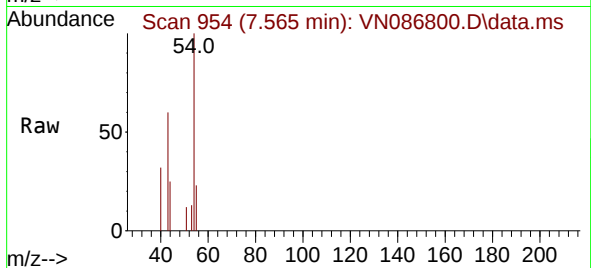
Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

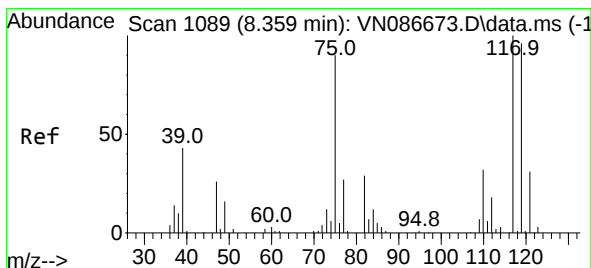
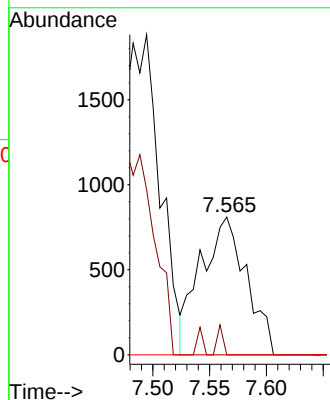


Tgt Ion:	43	Resp:	226
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.6	17.4
70	0.0	9.4	14.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#38

Carbon Tetrachloride

Concen: 0.737 ug/l

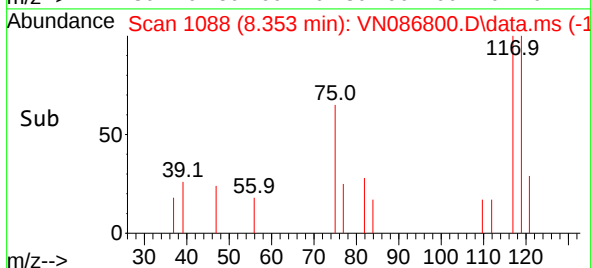
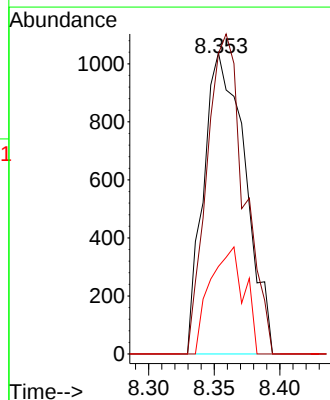
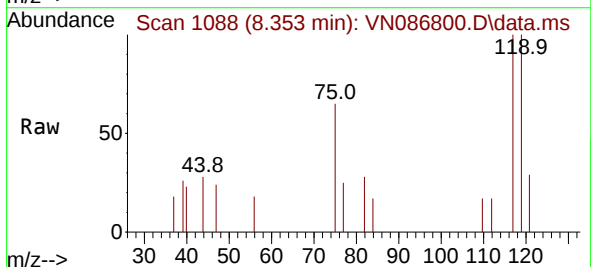
RT: 8.353 min Scan# 1088

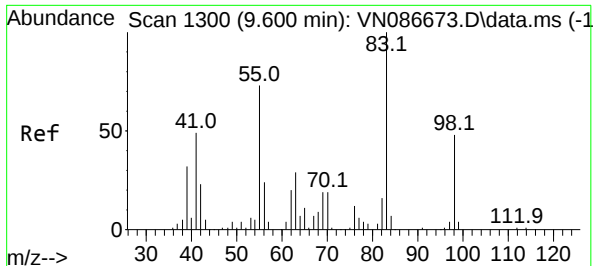
Delta R.T. -0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Tgt Ion:	117	Resp:	2285
Ion Ratio	Lower	Upper	
117	100		
119	99.7	77.0	115.6
121	29.1	25.0	37.6





#39

Methylcyclohexane

Concen: 0.735 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

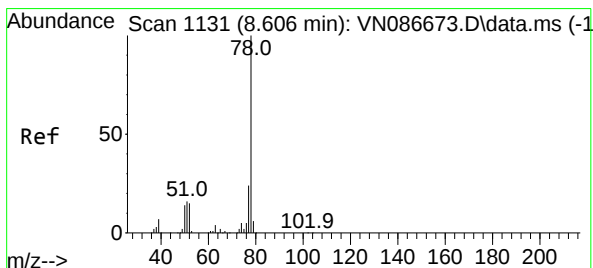
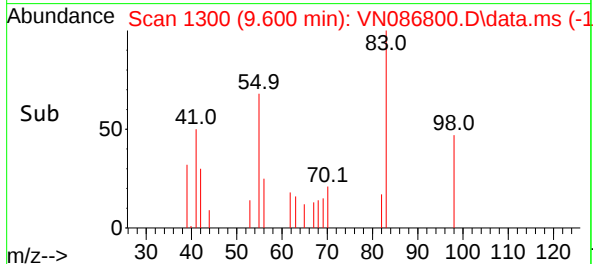
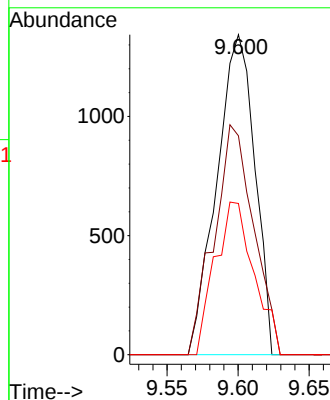
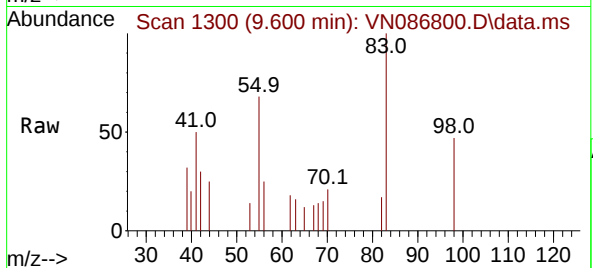
ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 83	Resp: 2500
Ion Ratio	Lower Upper
83	100
55	68.4 58.2 87.4
98	47.3 38.4 57.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#40

Benzene

Concen: 0.757 ug/l

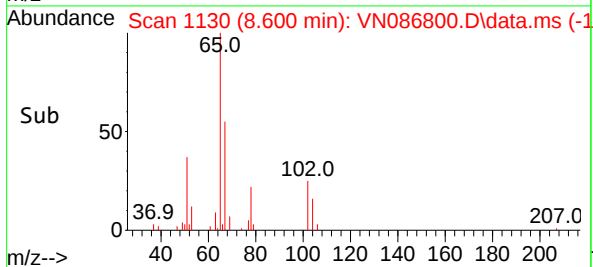
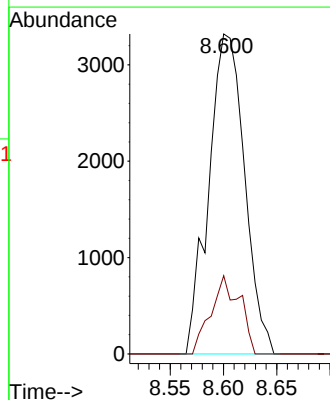
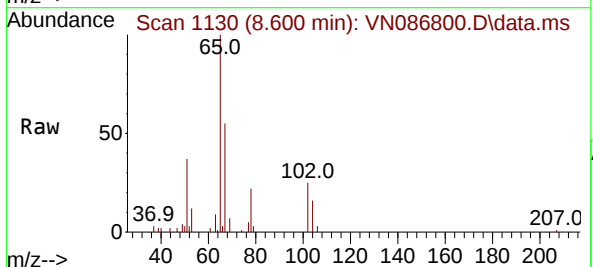
RT: 8.600 min Scan# 1130

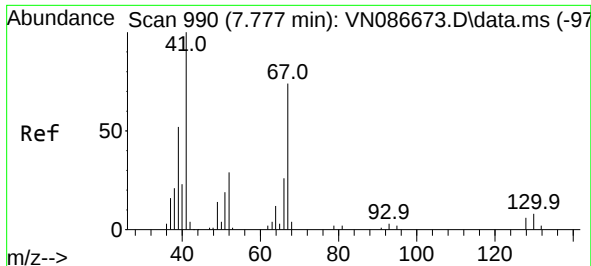
Delta R.T. -0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Tgt Ion: 78	Resp: 7769
Ion Ratio	Lower Upper
78	100
77	24.4 19.1 28.7





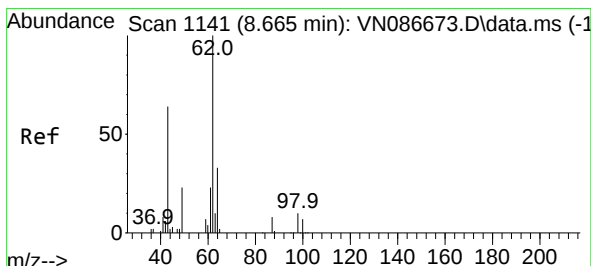
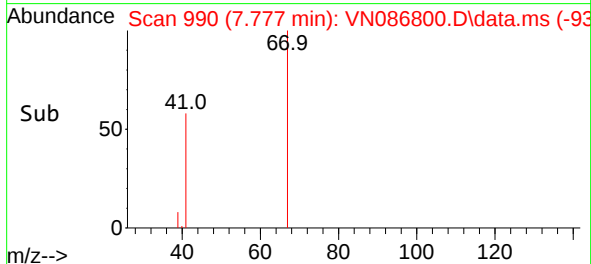
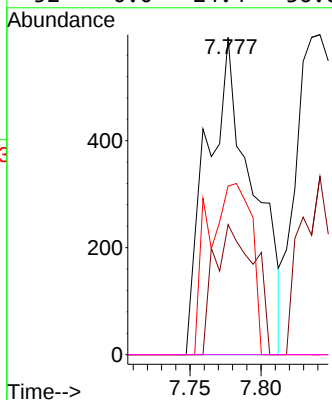
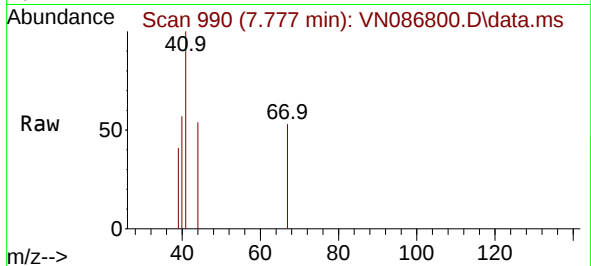
#41
Methacrylonitrile
Concen: 0.777 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 41 Resp: 133
Ion Ratio Lower Upper
41 100
39 35.9 44.9 67.3
67 50.8 63.4 95.0
52 0.0 24.4 36.6

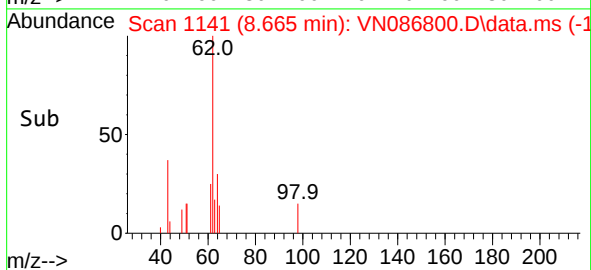
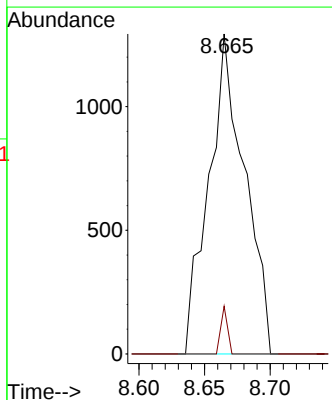
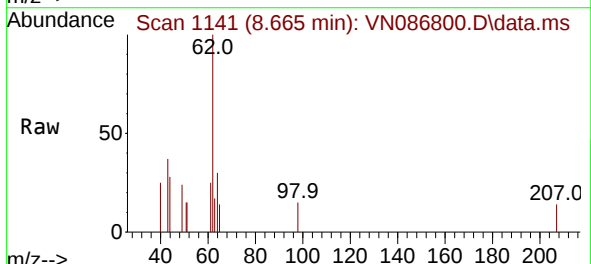
Manual Integrations
APPROVED

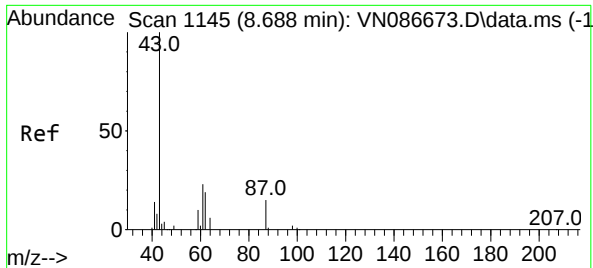
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#42
1,2-Dichloroethane
Concen: 0.771 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

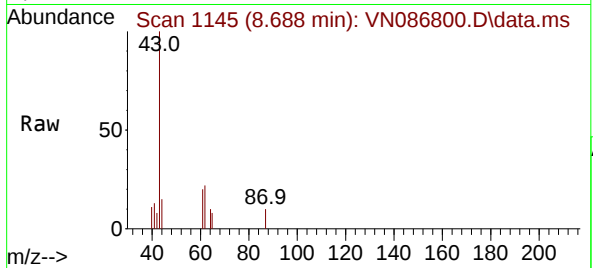
Tgt Ion: 62 Resp: 2464
Ion Ratio Lower Upper
62 100
98 2.8 0.0 19.2





#43
Isopropyl Acetate
Concen: 0.666 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

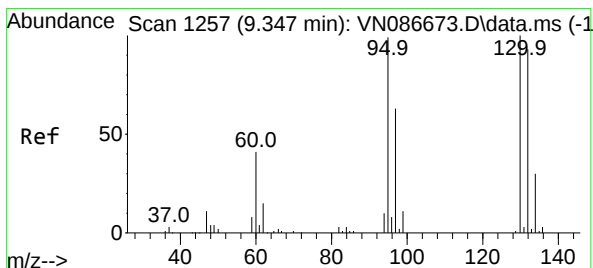
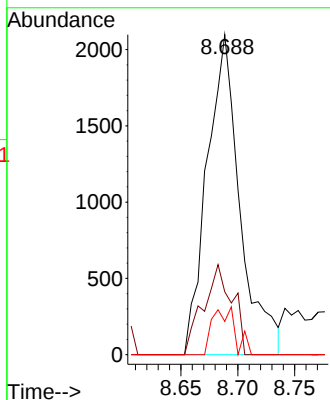
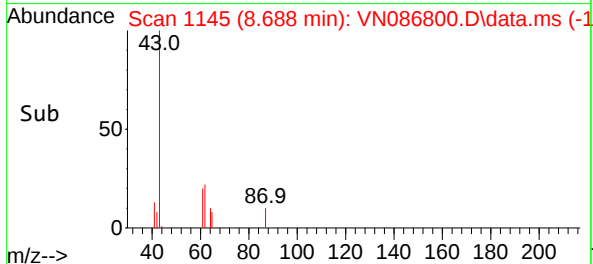
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



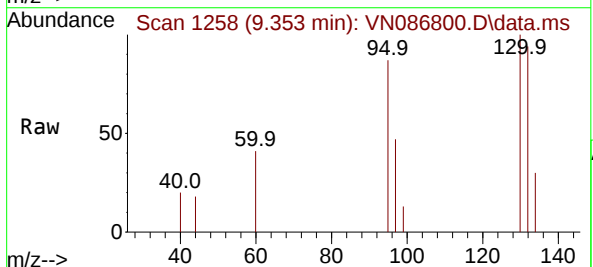
Tgt Ion: 43 Resp: 424
Ion Ratio Lower Upper
43 100
61 24.6 21.4 32.2
87 10.1 11.1 16.7

Manual Integrations
APPROVED

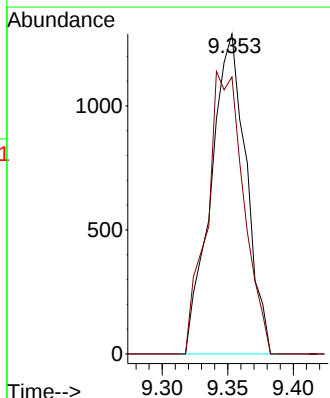
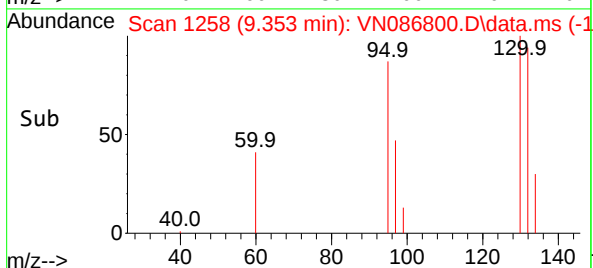
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#44
Trichloroethene
Concen: 0.971 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion:130 Resp: 2403
Ion Ratio Lower Upper
130 100
95 86.6 0.0 197.0





#45

1,2-Dichloropropane

Concen: 0.761 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

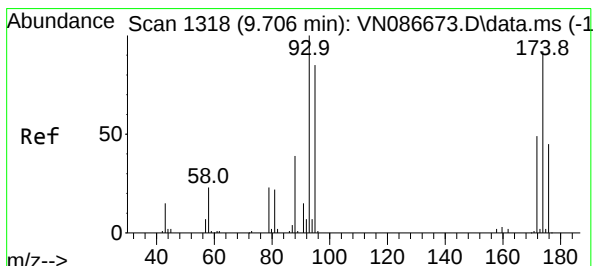
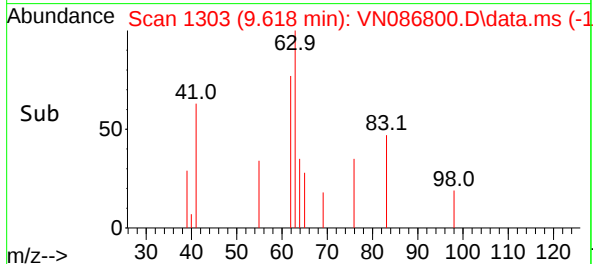
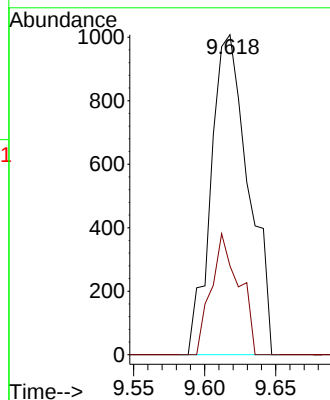
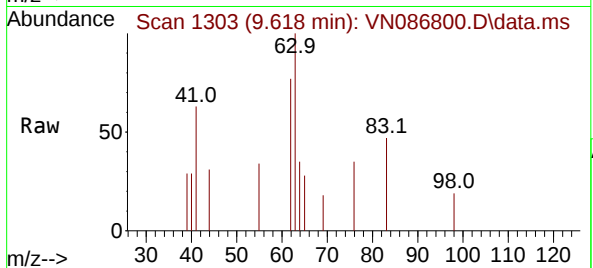
Tgt Ion: 63 Resp: 185
 Ion Ratio Lower Upper
 63 100
 65 27.8 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#46

Dibromomethane

Concen: 0.692 ug/l

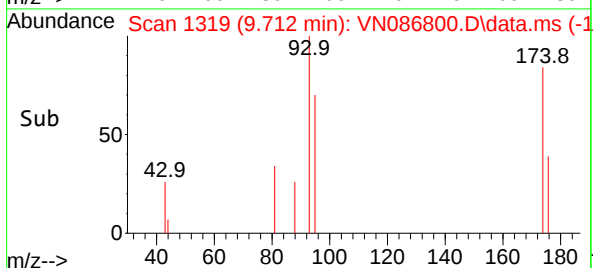
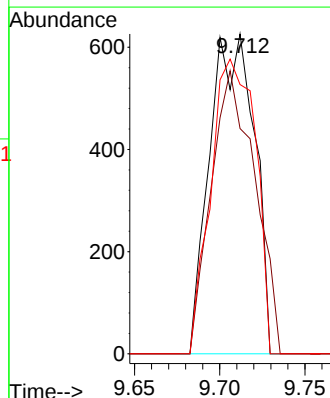
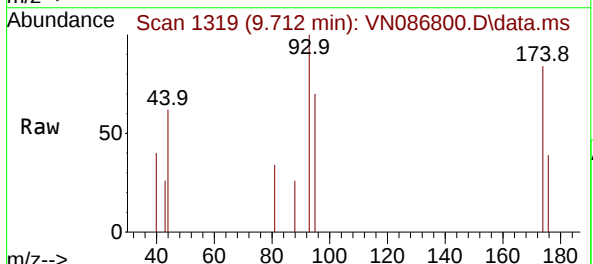
RT: 9.712 min Scan# 1319

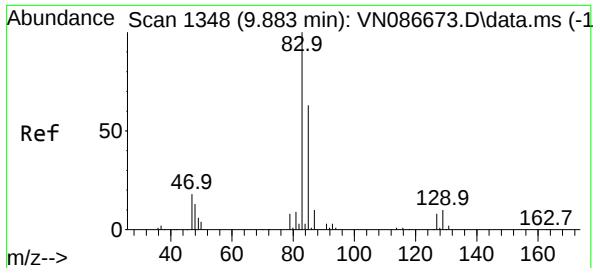
Delta R.T. 0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

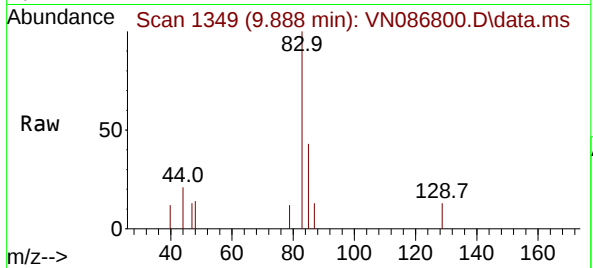
Tgt Ion: 93 Resp: 1138
 Ion Ratio Lower Upper
 93 100
 95 87.1 67.1 100.7
 174 92.1 73.8 110.6





#47
Bromodichloromethane
Concen: 0.711 ug/l
RT: 9.888 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

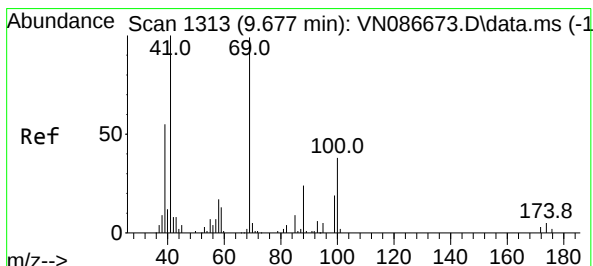
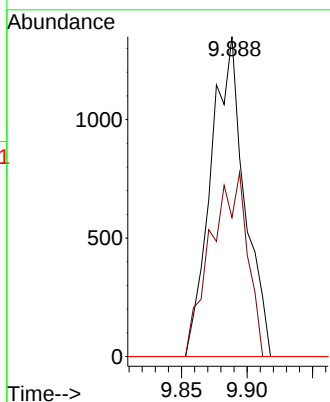
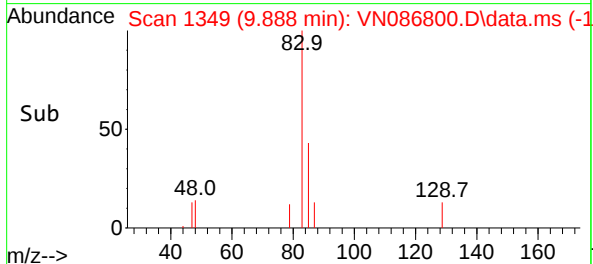
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 83 Resp: 2408
Ion Ratio Lower Upper
83 100
85 43.4 50.1 75.1
127 0.0 6.2 9.4

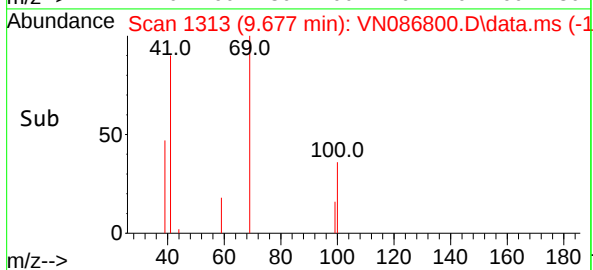
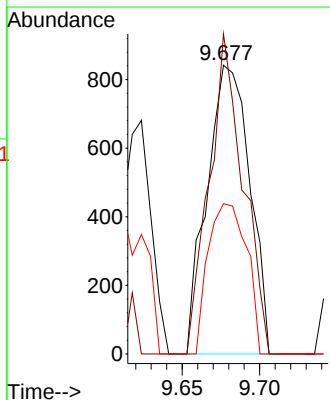
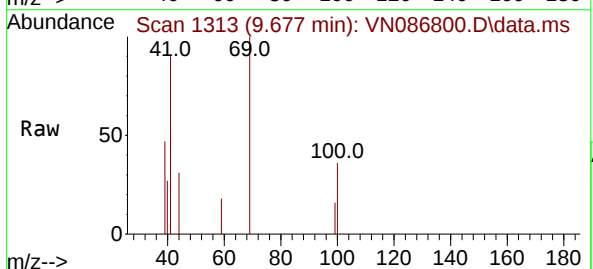
Manual Integrations
APPROVED

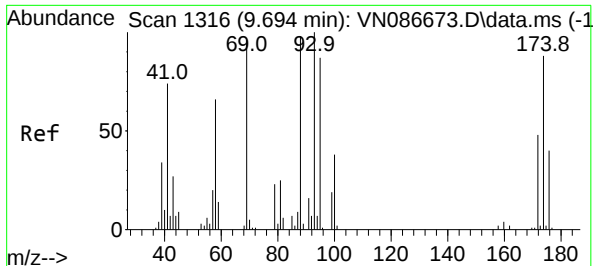
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#48
Methyl methacrylate
Concen: 0.654 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

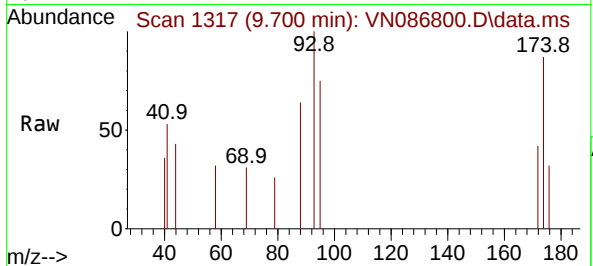
Tgt Ion: 41 Resp: 1614
Ion Ratio Lower Upper
41 100
69 88.3 74.1 111.1
39 46.8 44.1 66.1





#49
1,4-Dioxane
Concen: 10.469 ug/l
RT: 9.700 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

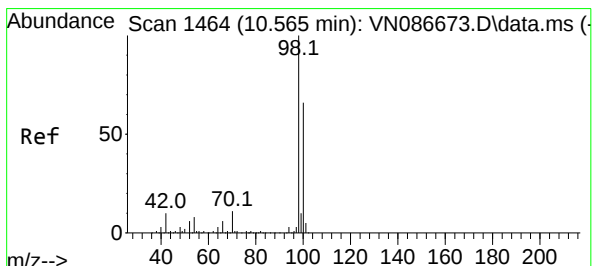
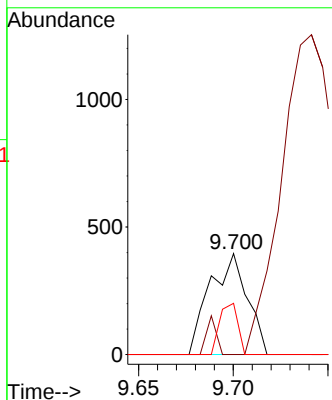
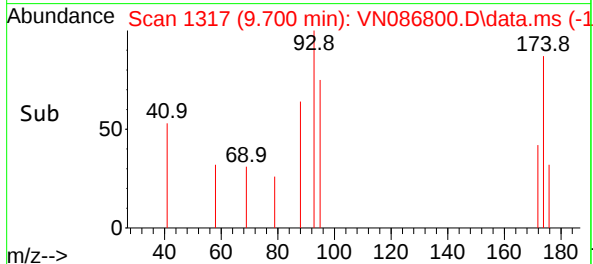
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 88 Resp: 547
Ion Ratio Lower Upper
88 100
43 0.0 23.6 35.4
58 24.5 55.3 82.9

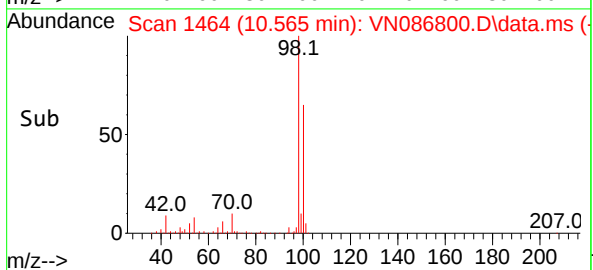
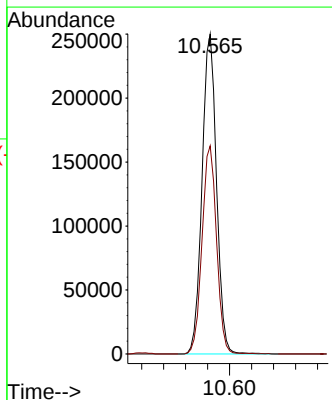
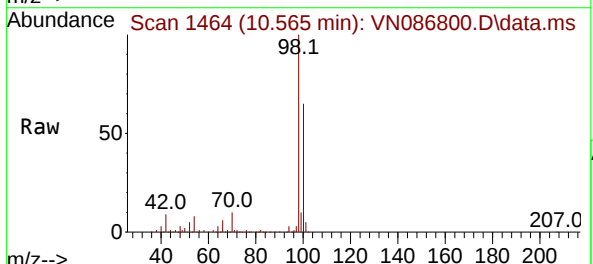
Manual Integrations
APPROVED

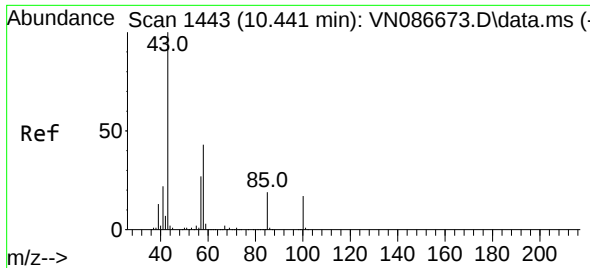
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#50
Toluene-d8
Concen: 51.618 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion: 98 Resp: 456024
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3





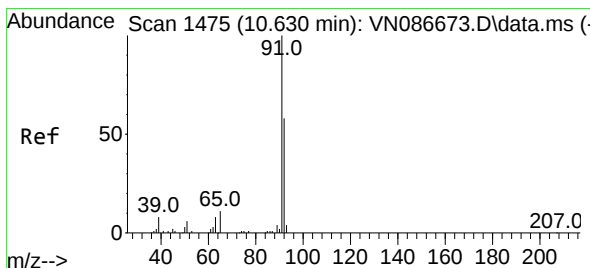
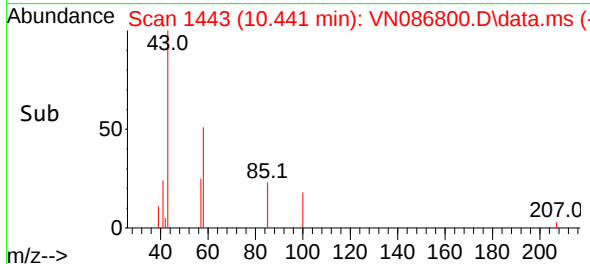
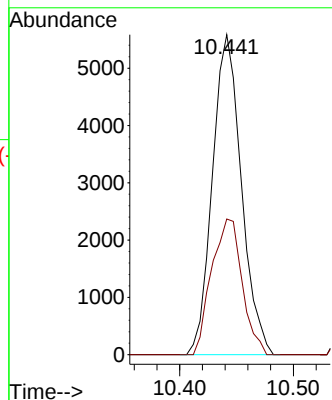
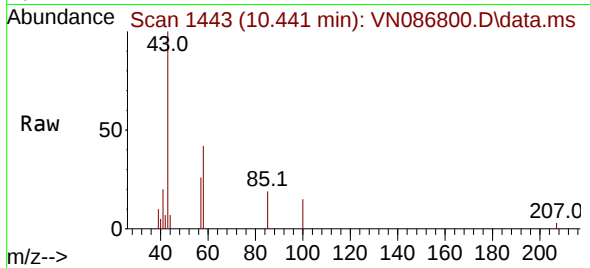
#51
4-Methyl-2-Pentanone
Concen: 3.076 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025

Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 44.8 33.9 50.9

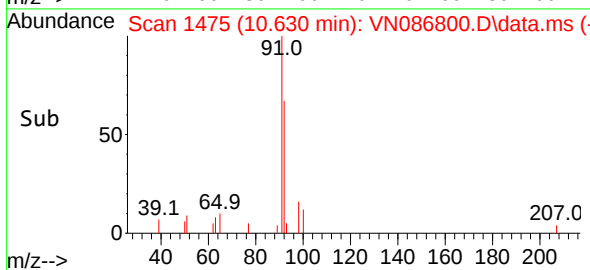
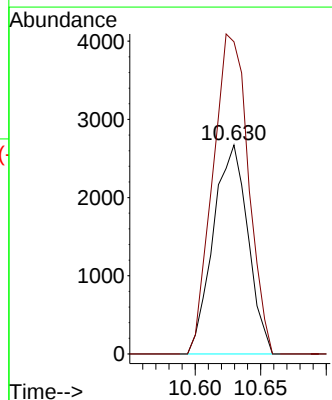
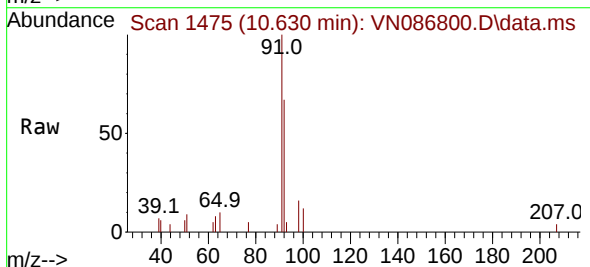
Manual Integrations
APPROVED

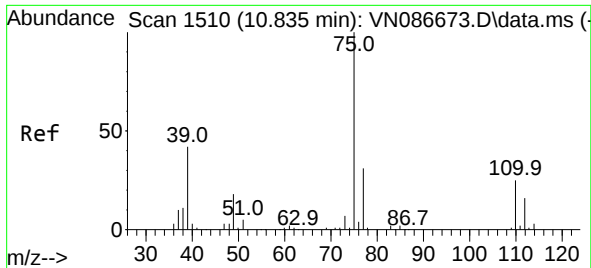
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#52
Toluene
Concen: 0.772 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

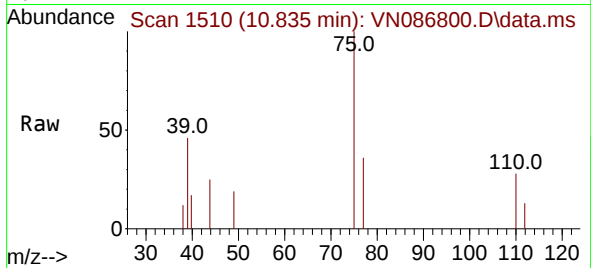
Tgt Ion: 92 Resp: 4921
Ion Ratio Lower Upper
92 100
91 156.6 137.8 206.8





#53
 t-1,3-Dichloropropene
 Concen: 0.729 ug/l
 RT: 10.835 min Scan# 1510
 Delta R.T. 0.000 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

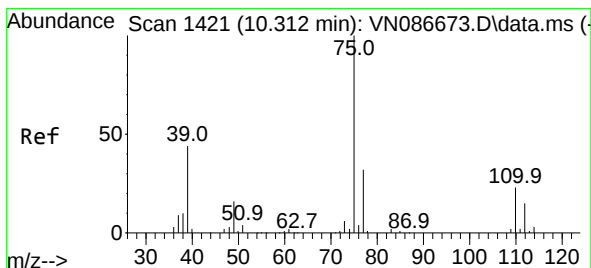
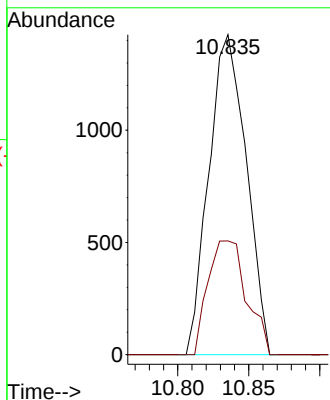
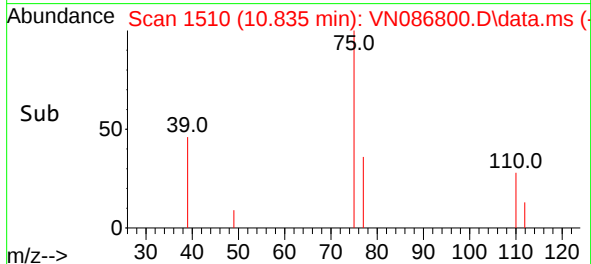
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025



Tgt Ion: 75 Resp: 2610
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.2 37.8

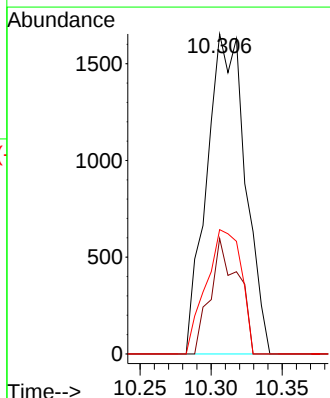
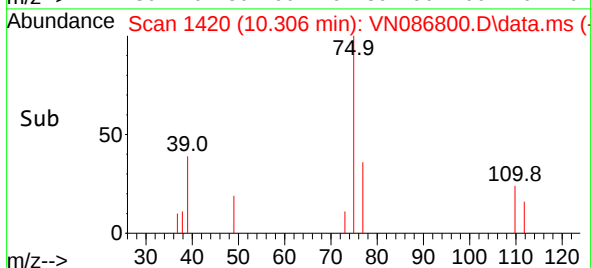
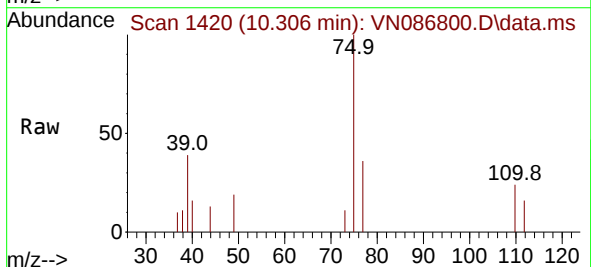
Manual Integrations
 APPROVED

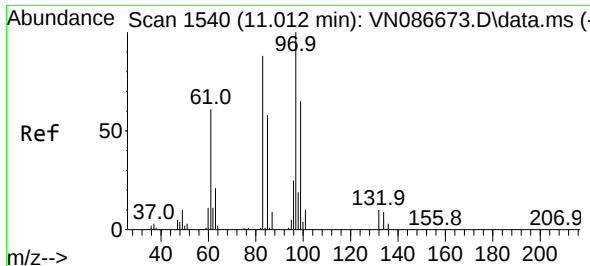
Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#54
 cis-1,3-Dichloropropene
 Concen: 0.799 ug/l
 RT: 10.306 min Scan# 1420
 Delta R.T. -0.006 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

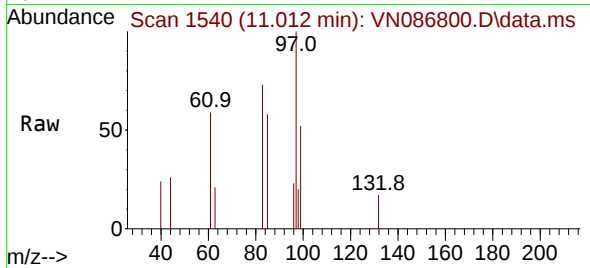
Tgt Ion: 75 Resp: 3127
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.3 37.9
 39 38.8 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 0.717 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

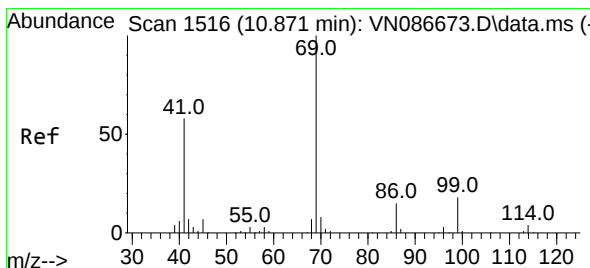
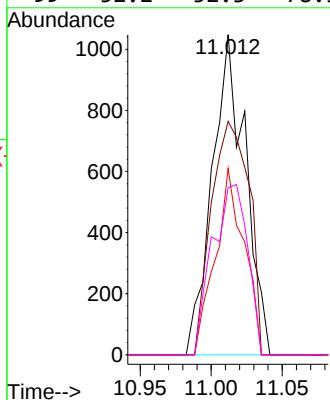
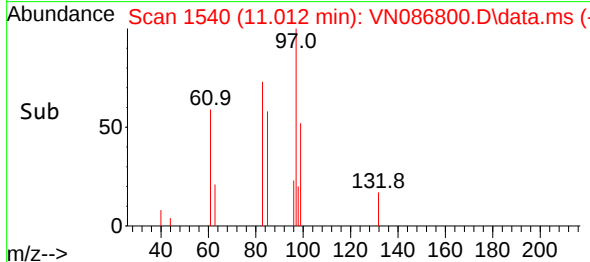
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



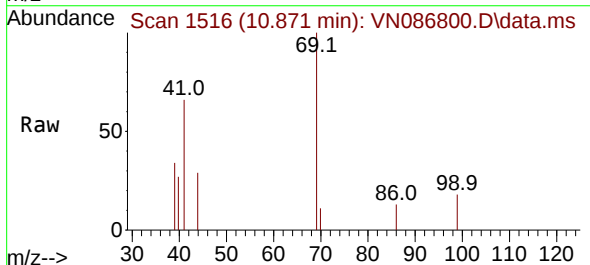
Tgt Ion	Ratio	Lower	Upper
97	100		
83	72.9	70.4	105.6
85	58.2	46.1	69.1
99	52.2	52.3	78.5#

Manual Integrations
APPROVED

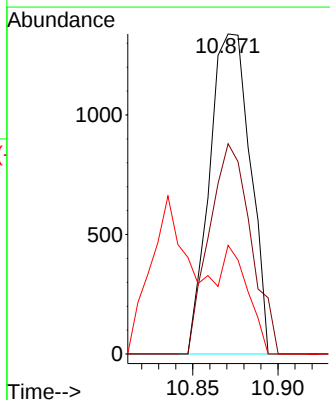
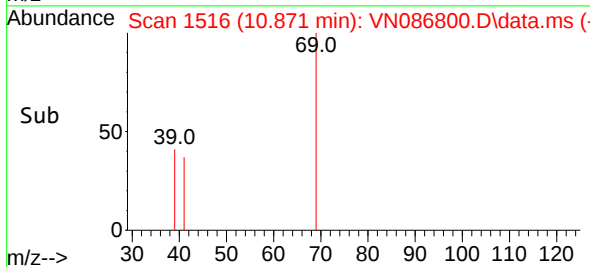
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

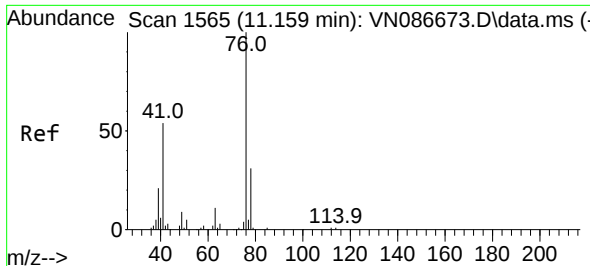


#56
Ethyl methacrylate
Concen: 0.583 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.2	47.4	71.0
39	19.9	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 0.702 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

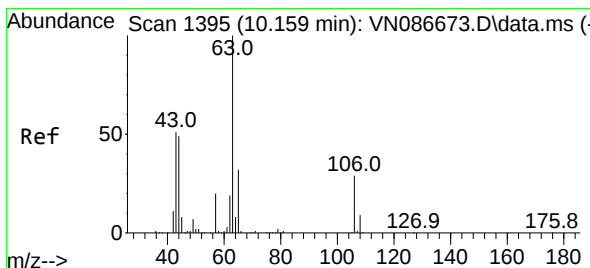
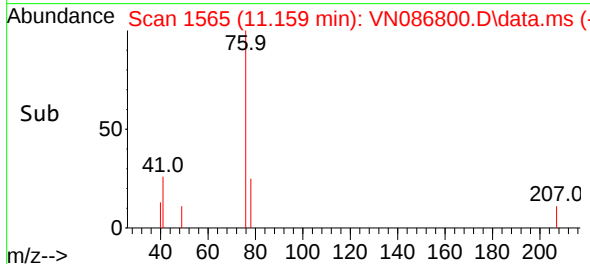
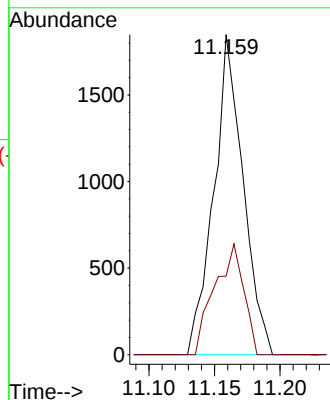
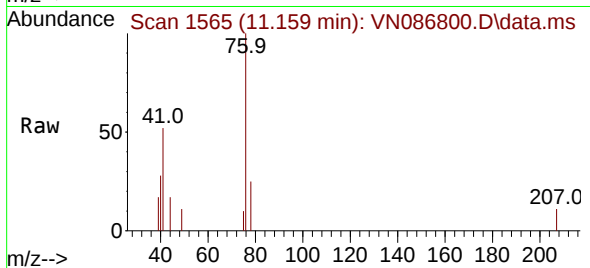
Tgt Ion: 76 Resp: 2875
 Ion Ratio Lower Upper
 76 100
 78 34.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 3.190 ug/l

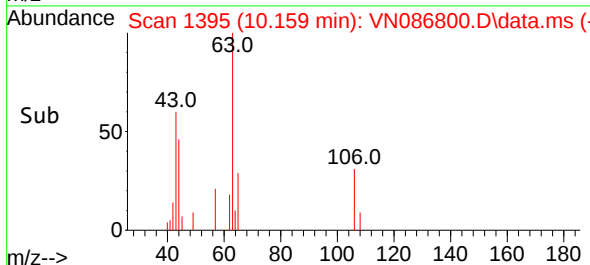
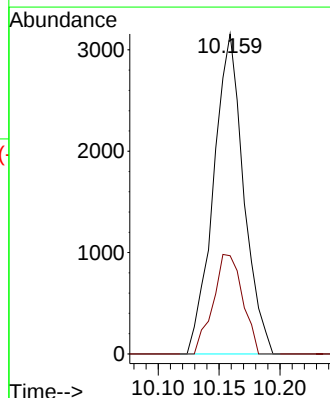
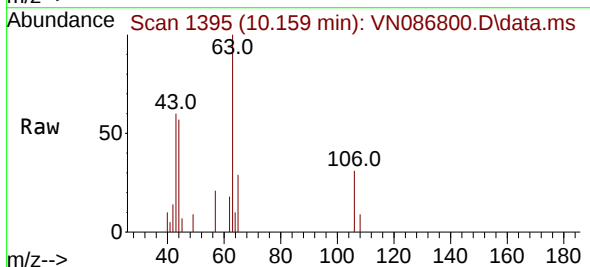
RT: 10.159 min Scan# 1395

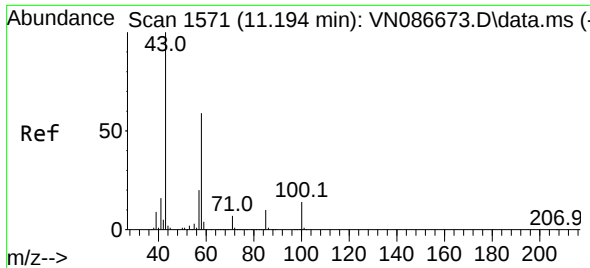
Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

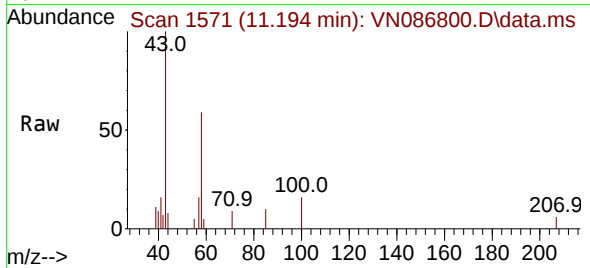
Tgt Ion: 63 Resp: 5445
 Ion Ratio Lower Upper
 63 100
 106 30.3 23.1 34.7





#59
2-Hexanone
Concen: 2.884 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

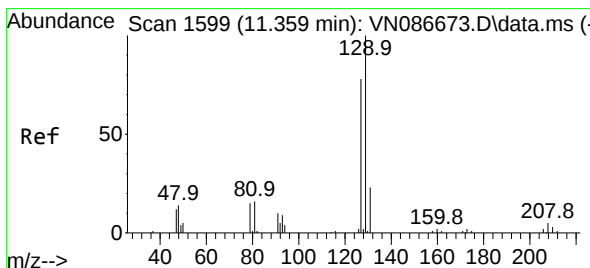
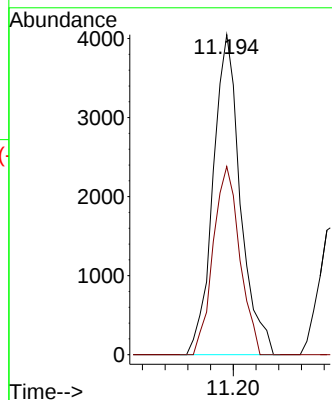
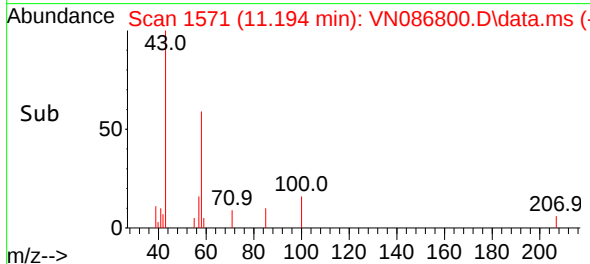
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 57.1 29.8 89.5

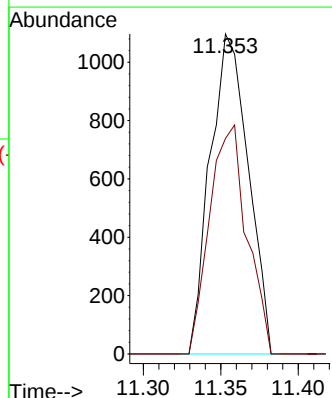
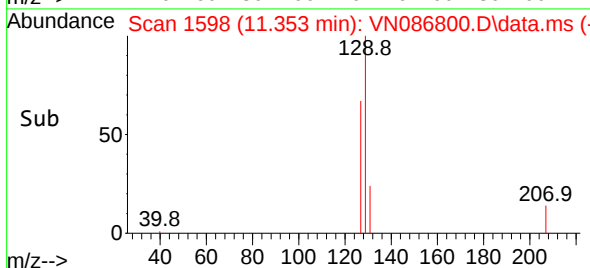
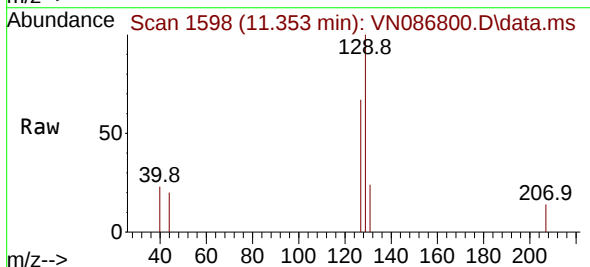
Manual Integrations
APPROVED

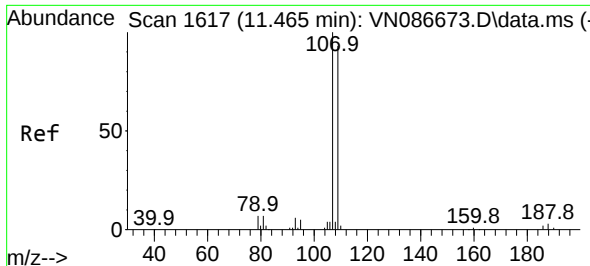
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#60
Dibromochloromethane
Concen: 0.754 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

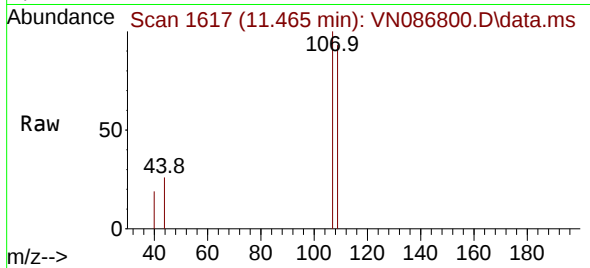
Tgt Ion:129 Resp: 1880
Ion Ratio Lower Upper
129 100
127 69.9 39.5 118.3





#61
1,2-Dibromoethane
Concen: 0.607 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

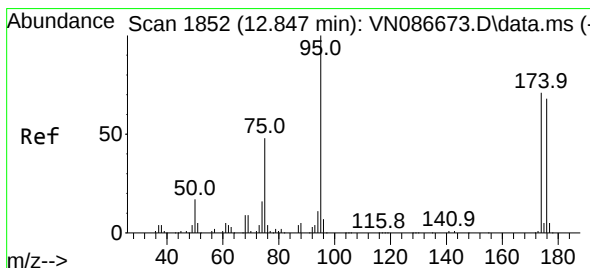
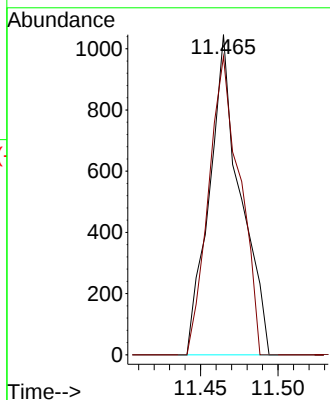
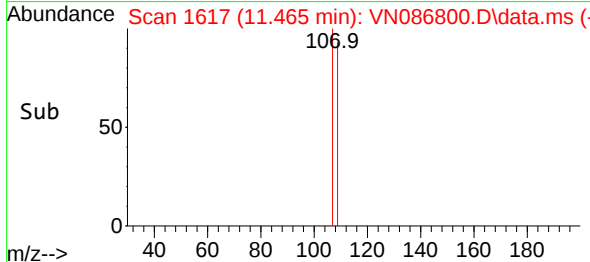
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



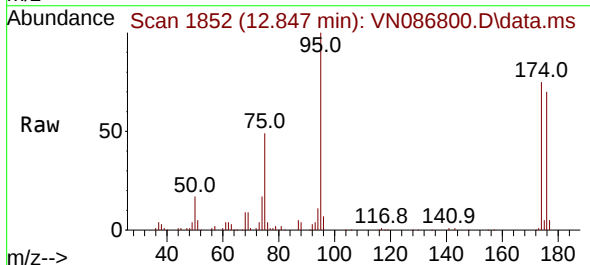
Tgt Ion:107 Resp: 145
Ion Ratio Lower Upper
107 100
109 94.4 75.0 112.4

Manual Integrations
APPROVED

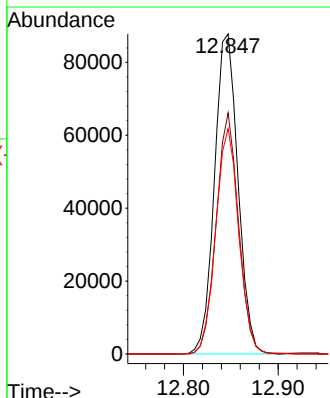
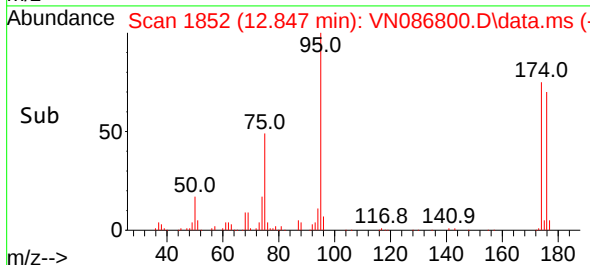
Reviewed By :John Carbone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

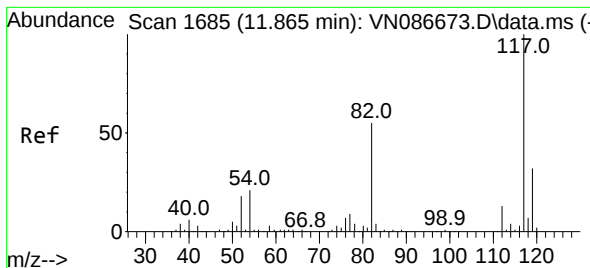


#62
4-Bromofluorobenzene
Concen: 48.532 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion: 95 Resp: 151392
Ion Ratio Lower Upper
95 100
174 71.5 0.0 145.4
176 69.1 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

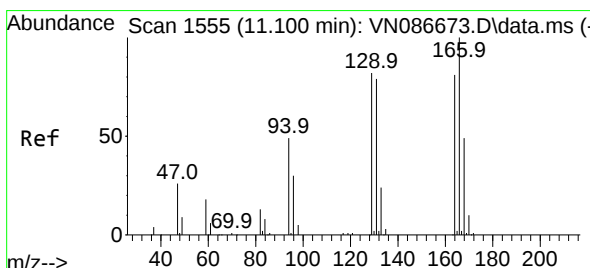
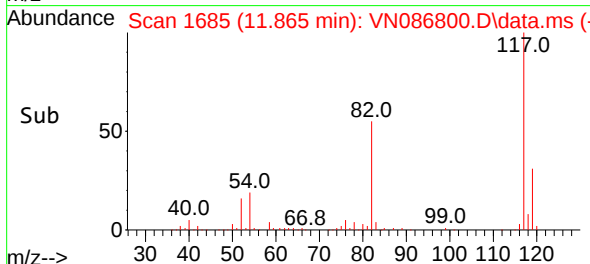
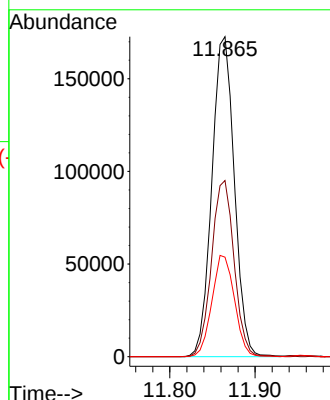
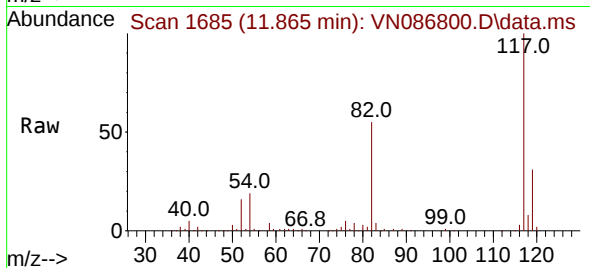
ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion:117 Resp: 31664
 Ion Ratio Lower Upper
 117 100
 82 55.0 44.2 66.2
 119 31.1 25.4 38.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#64

Tetrachloroethene

Concen: 1.138 ug/l

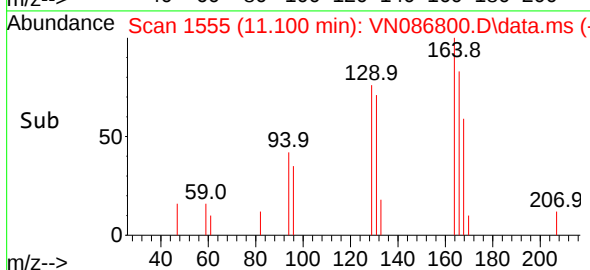
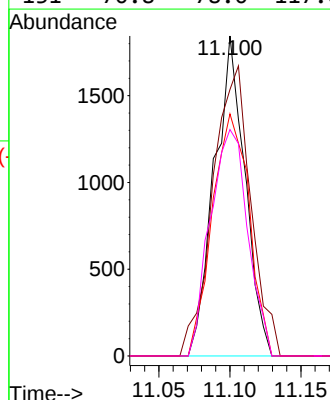
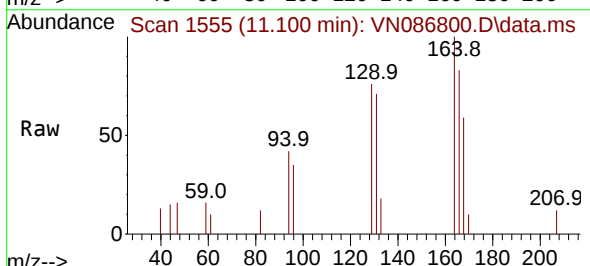
RT: 11.100 min Scan# 1555

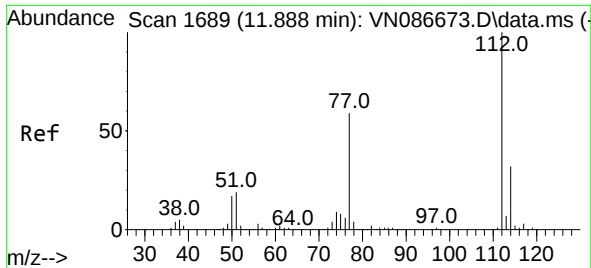
Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

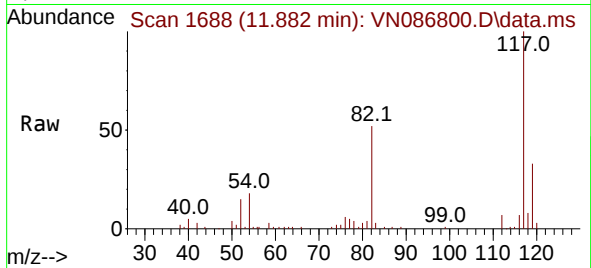
Tgt Ion:164 Resp: 2761
 Ion Ratio Lower Upper
 164 100
 166 83.2 98.2 147.4#
 129 75.7 81.0 121.4#
 131 70.8 78.0 117.0#





#65
Chlorobenzene
Concen: 0.743 ug/l
RT: 11.882 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

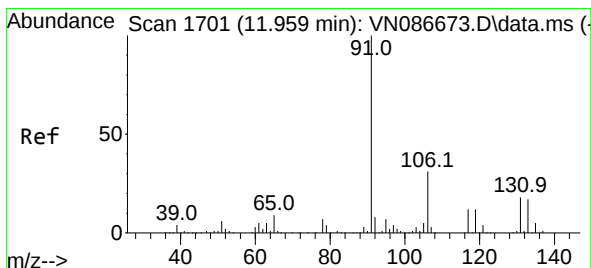
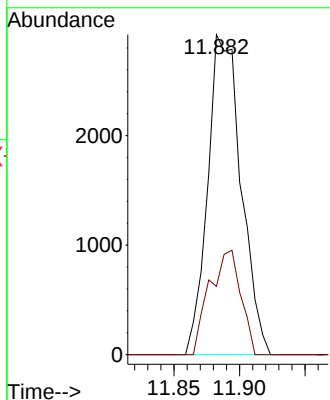
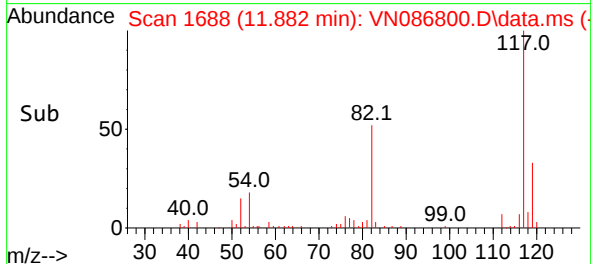
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion:112 Resp: 5150
Ion Ratio Lower Upper
112 100
114 21.3 25.9 38.9

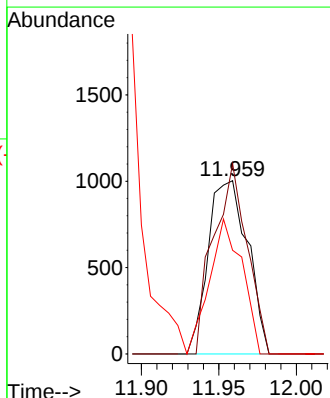
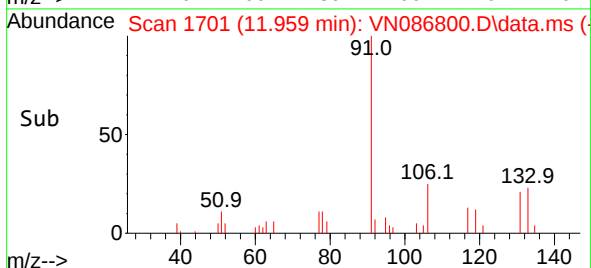
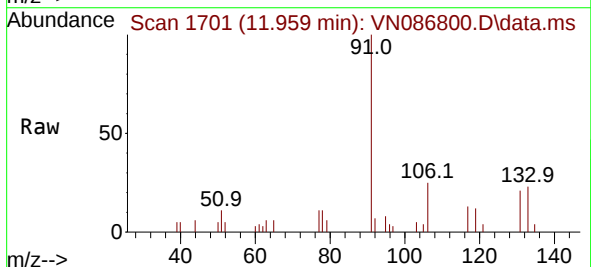
Manual Integrations
APPROVED

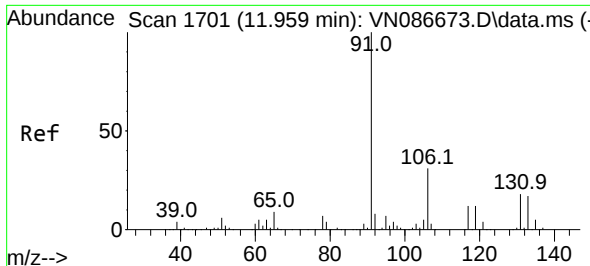
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 0.795 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion:131 Resp: 1782
Ion Ratio Lower Upper
131 100
133 93.5 47.9 143.7
119 0.0 33.6 100.8





#67

Ethyl Benzene

Concen: 0.741 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 880

Ion Ratio Lower Upper

91 100

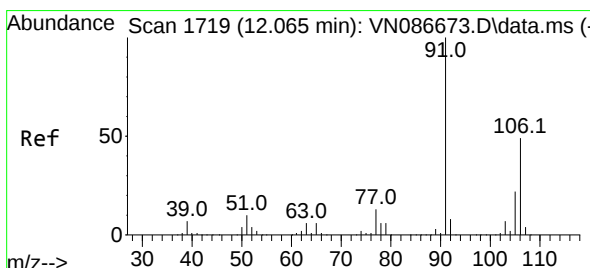
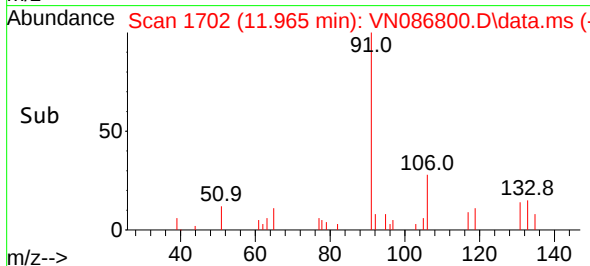
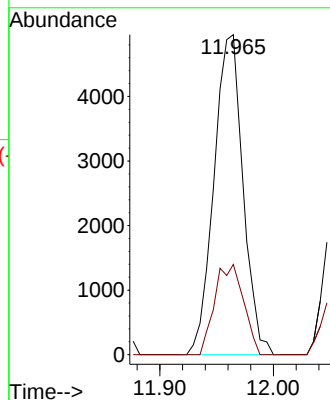
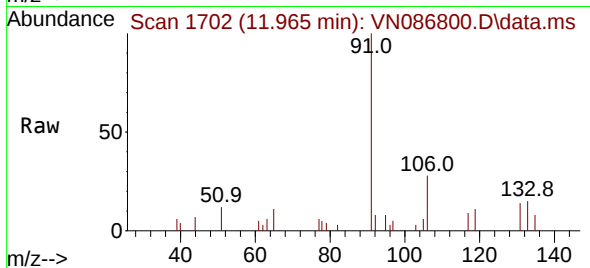
106 28.2 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#68

m/p-Xylenes

Concen: 1.413 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086800.D

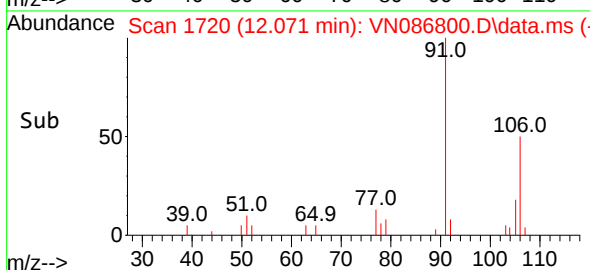
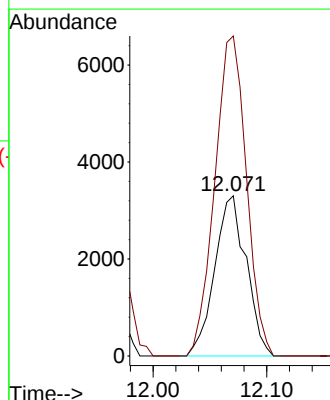
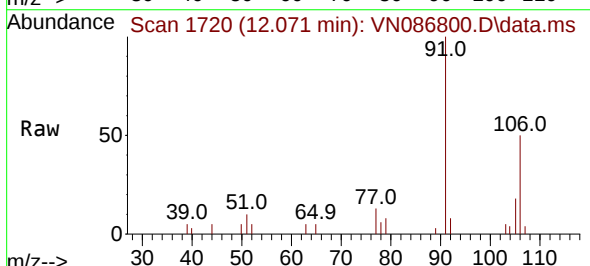
Acq: 28 May 2025 15:33

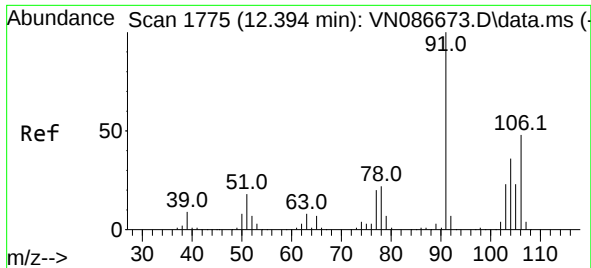
Tgt Ion:106 Resp: 6364

Ion Ratio Lower Upper

106 100

91 200.5 162.4 243.6





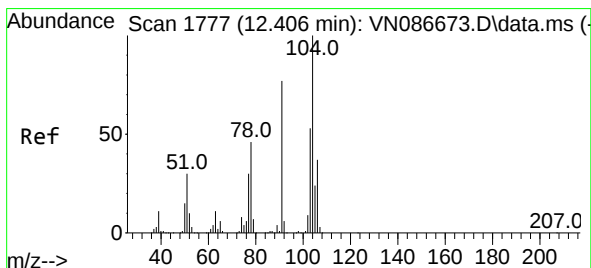
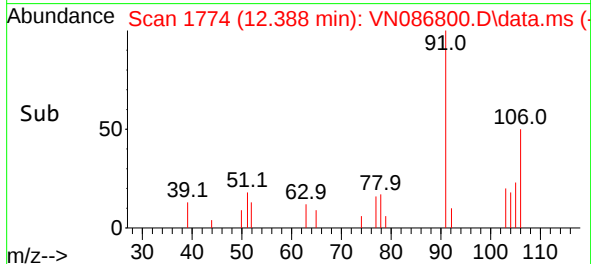
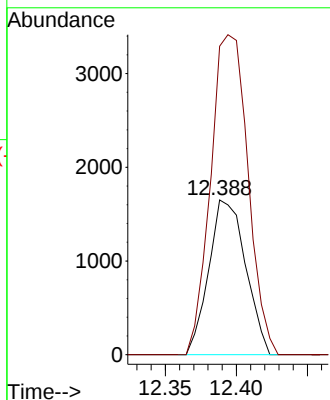
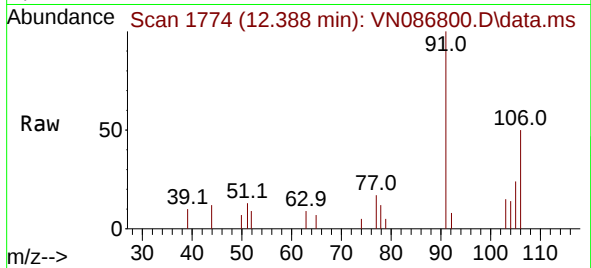
#69
o-Xylene
Concen: 0.664 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion:106 Resp: 297
Ion Ratio Lower Upper
106 100
91 209.9 105.1 315.1

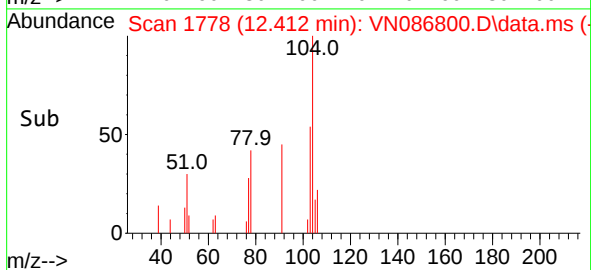
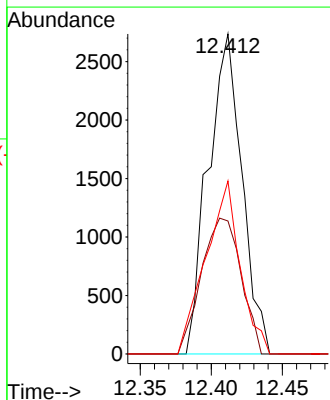
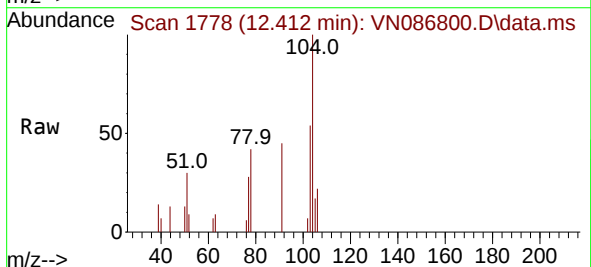
Manual Integrations
APPROVED

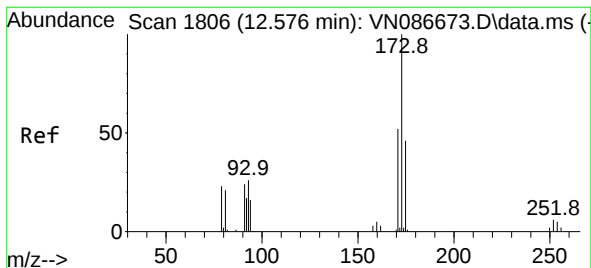
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#70
Styrene
Concen: 0.619 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion:104 Resp: 4535
Ion Ratio Lower Upper
104 100
78 49.8 39.0 58.6
103 55.0 43.8 65.8





#71

Bromoform

Concen: 0.634 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

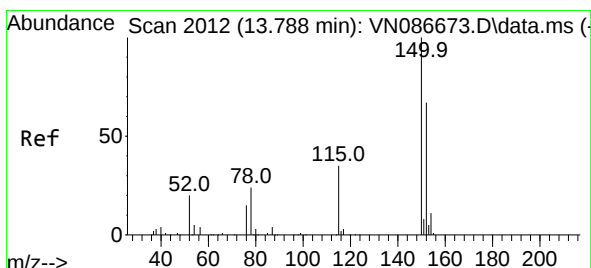
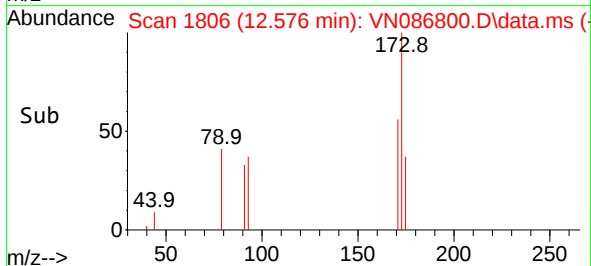
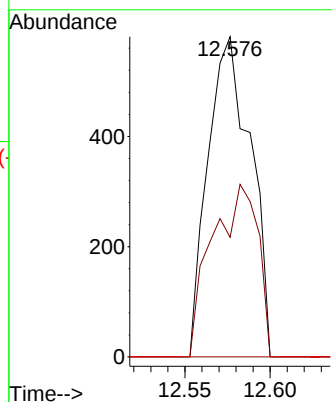
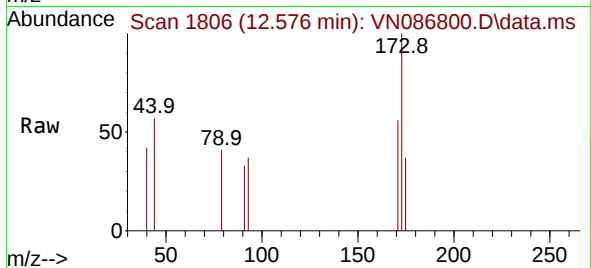
Tgt Ion:	173	Resp:	1010
Ion Ratio	Lower	Upper	
173	100		
175	57.9	23.4	70.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

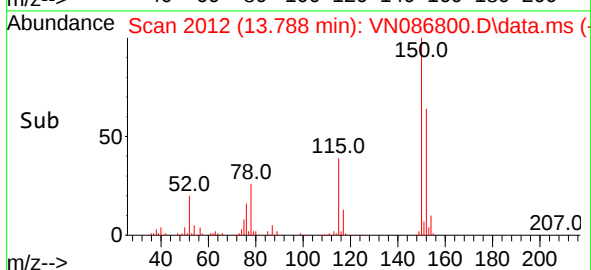
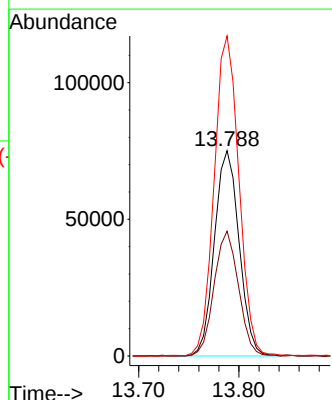
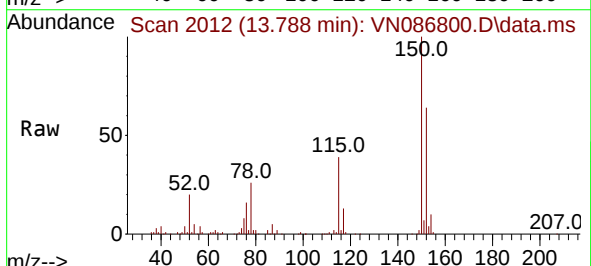
RT: 13.788 min Scan# 2012

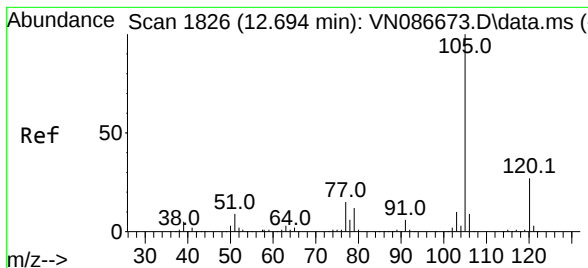
Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Tgt Ion:	152	Resp:	127993
Ion Ratio	Lower	Upper	
152	100		
115	60.1	30.0	90.1
150	156.9	0.0	347.8





#73

Isopropylbenzene

Concen: 0.742 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

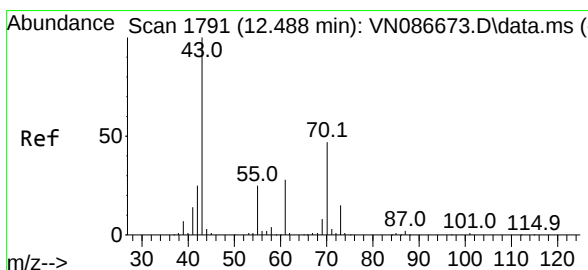
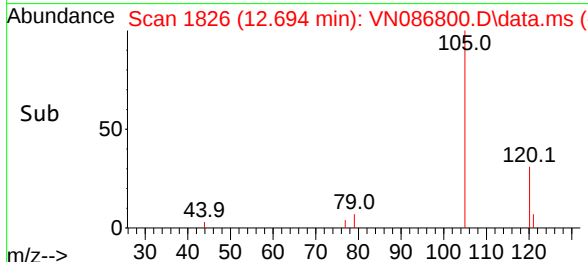
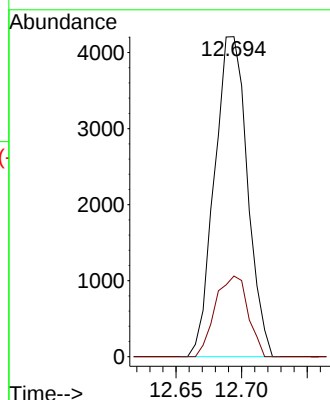
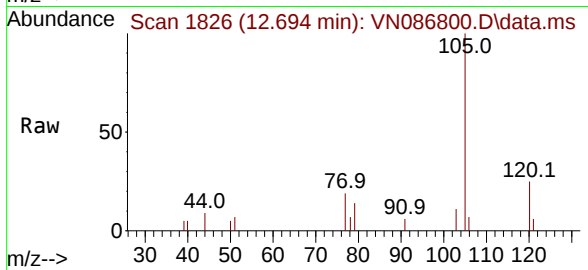
Tgt Ion:105 Resp: 7339
 Ion Ratio Lower Upper
 105 100
 120 25.0 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#74

N-ethyl acetate

Concen: 0.614 ug/l

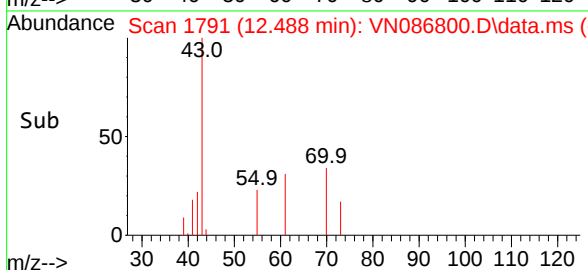
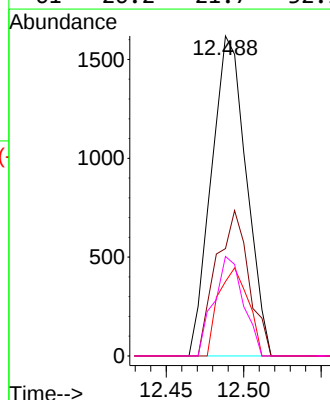
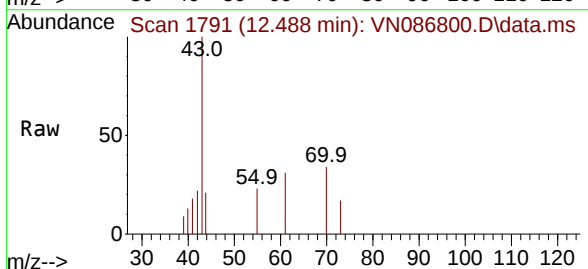
RT: 12.488 min Scan# 1791

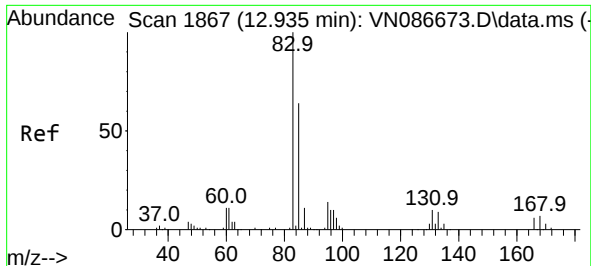
Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

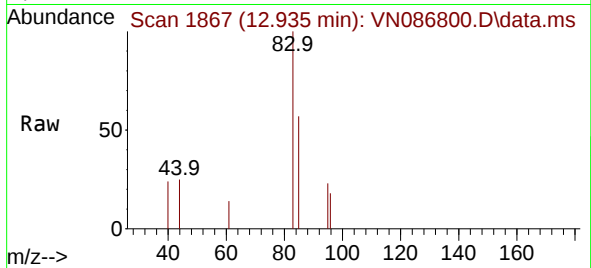
Tgt Ion: 43 Resp: 2534
 Ion Ratio Lower Upper
 43 100
 70 42.6 37.9 56.9
 55 23.4 20.5 30.7
 61 26.2 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 0.539 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

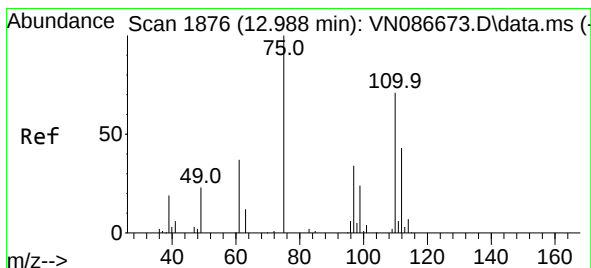
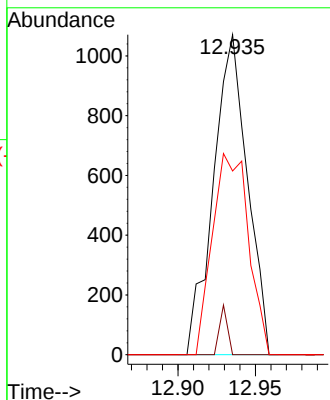
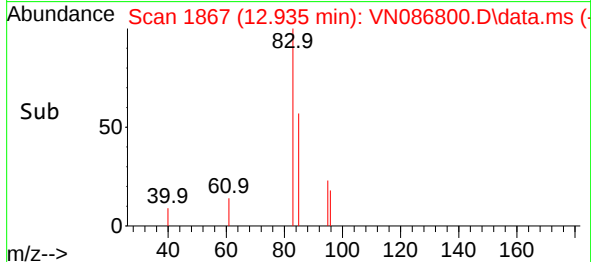
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



Tgt Ion: 83 Resp: 1630
Ion Ratio Lower Upper
83 100
131 3.6 5.0 15.0
85 66.4 32.4 97.2

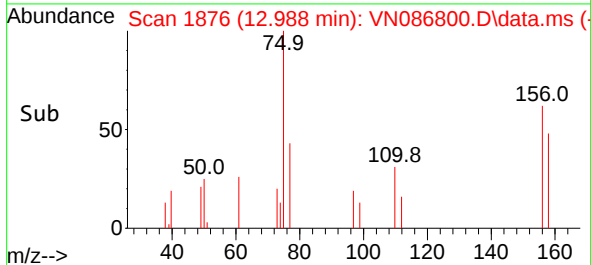
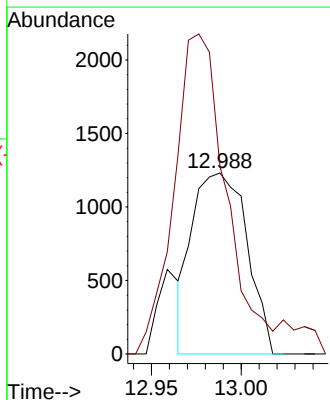
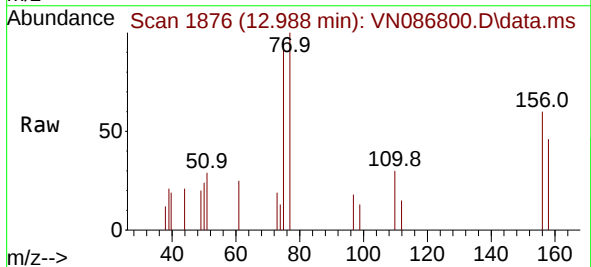
Manual Integrations
APPROVED

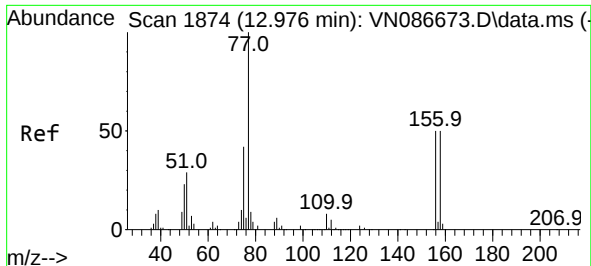
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#76
1,2,3-Trichloropropane
Concen: 0.901 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

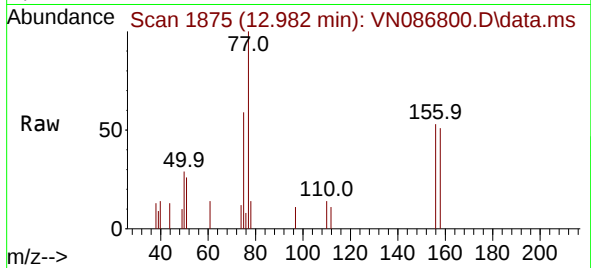
Tgt Ion: 75 Resp: 2608
Ion Ratio Lower Upper
75 100
77 167.6 96.0 288.1





#77
Bromobenzene
Concen: 0.797 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

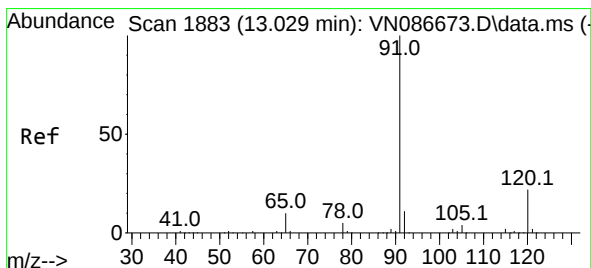
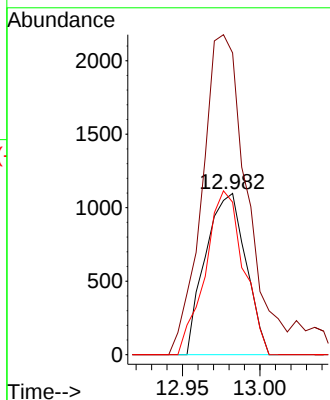
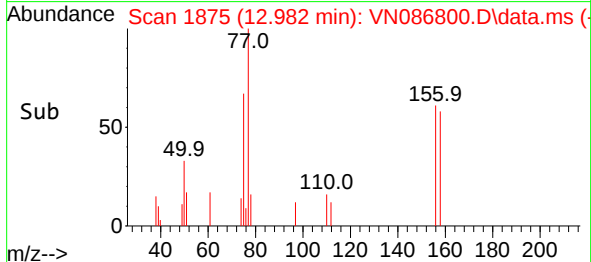
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



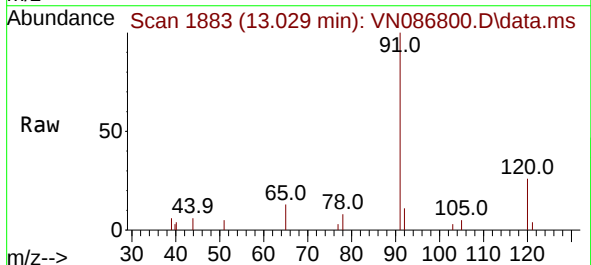
Tgt Ion:156 Resp: 198
Ion Ratio Lower Upper
156 100
77 220.6 113.1 339.2
158 96.8 48.6 145.9

Manual Integrations
APPROVED

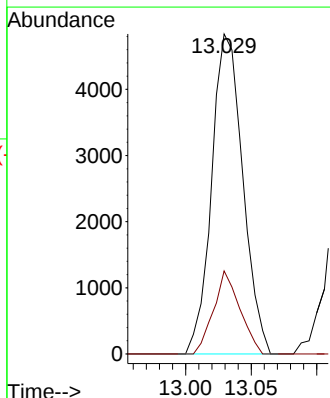
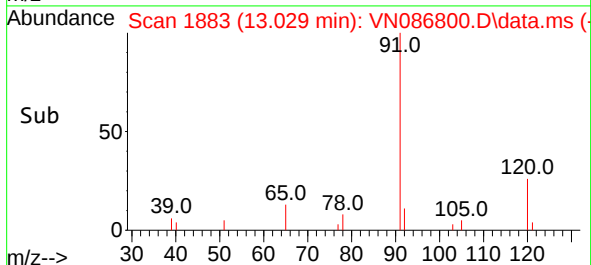
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

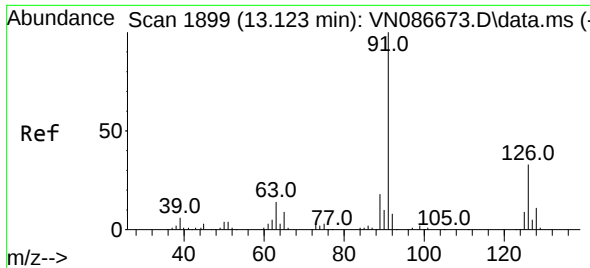


#78
n-propylbenzene
Concen: 0.704 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion: 91 Resp: 7988
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.1





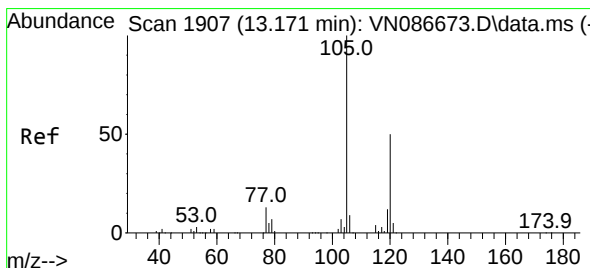
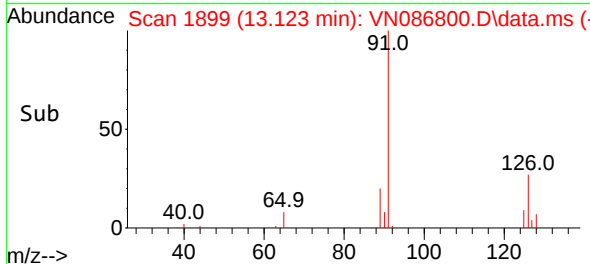
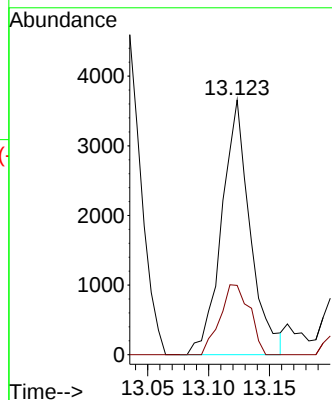
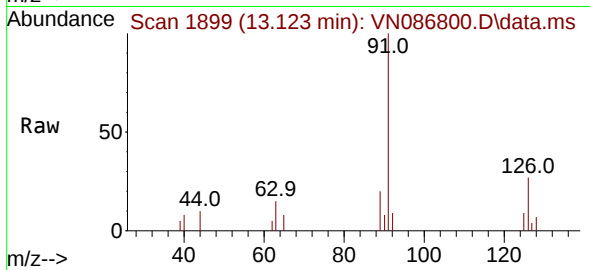
#79
2-Chlorotoluene
Concen: 0.808 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 5958
Ion Ratio Lower Upper
91 100
126 28.5 16.6 49.7

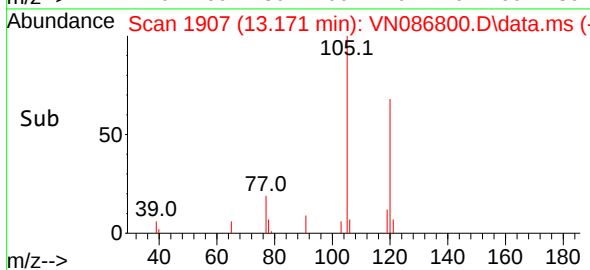
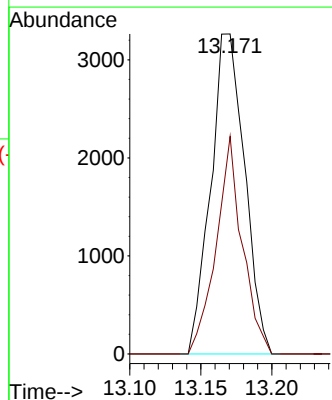
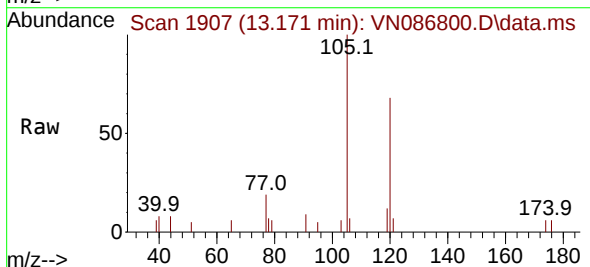
Manual Integrations
APPROVED

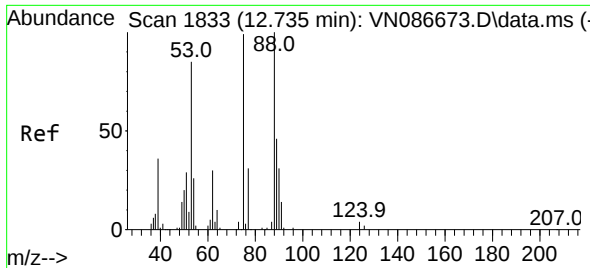
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.684 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

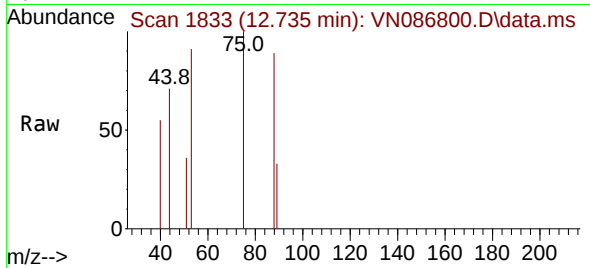
Tgt Ion:105 Resp: 5420
Ion Ratio Lower Upper
105 100
120 52.5 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 0.476 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

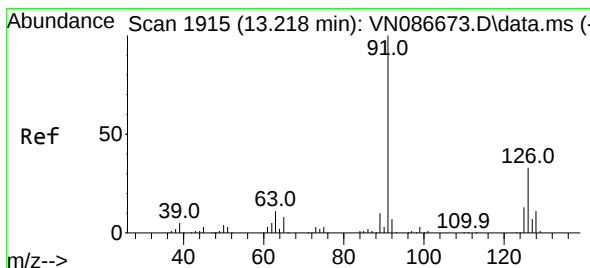
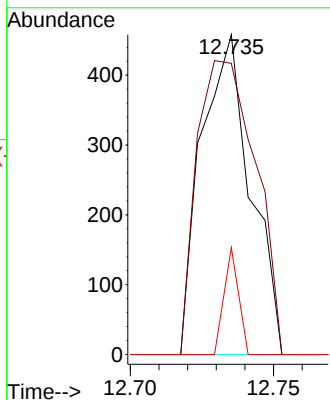
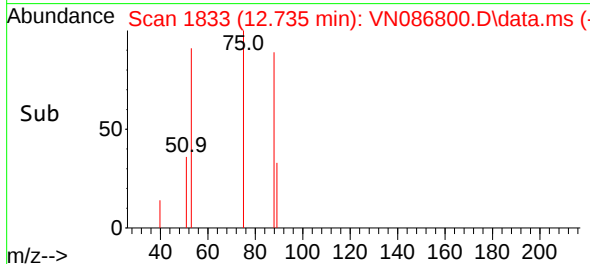
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



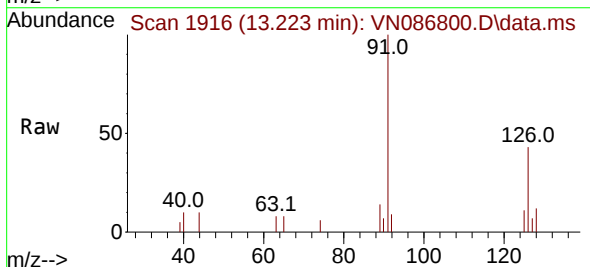
Tgt Ion: 75 Resp: 540
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6
89 0.0 32.4 48.6

Manual Integrations
APPROVED

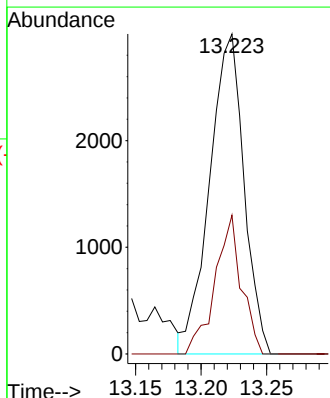
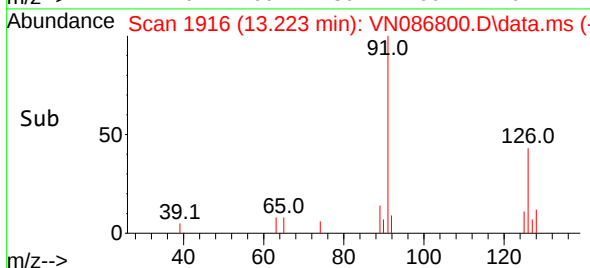
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

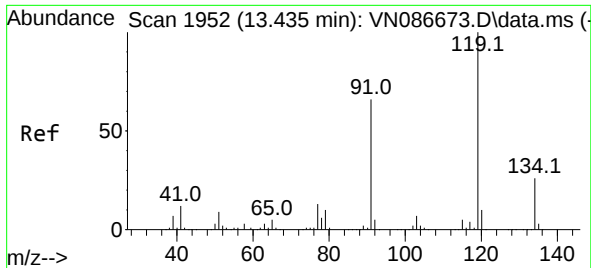


#82
4-Chlorotoluene
Concen: 0.747 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



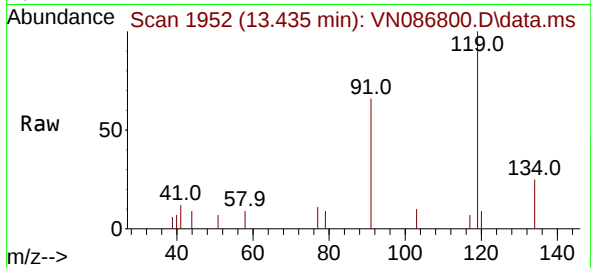
Tgt Ion: 91 Resp: 5457
Ion Ratio Lower Upper
91 100
126 33.5 17.0 50.9





#83
tert-Butylbenzene
Concen: 0.729 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

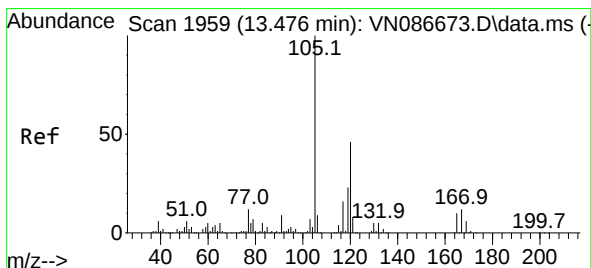
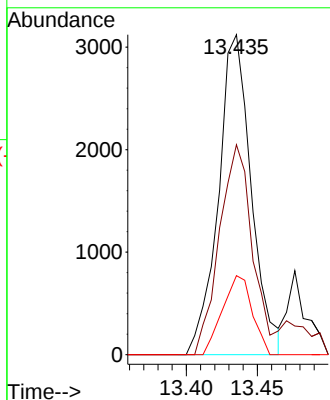
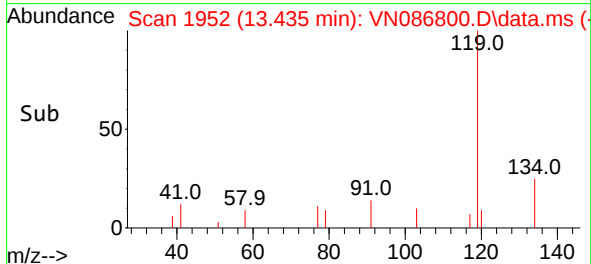
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



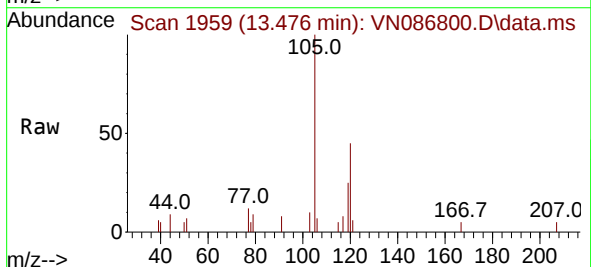
Tgt Ion:119 Resp: 5038
Ion Ratio Lower Upper
119 100
91 66.6 32.9 98.7
134 22.2 13.4 40.1

Manual Integrations
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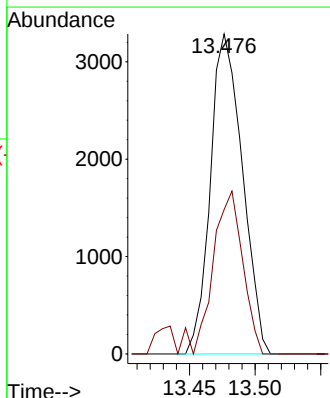
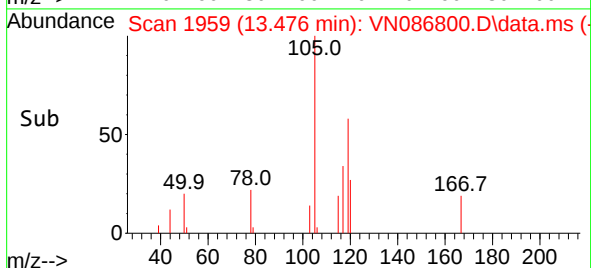
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

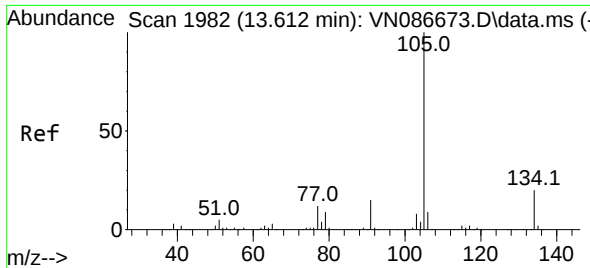


#84
1,2,4-Trimethylbenzene
Concen: 0.707 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion:105 Resp: 5576
Ion Ratio Lower Upper
105 100
120 47.9 23.2 69.6





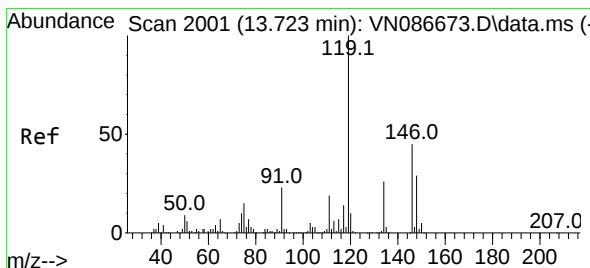
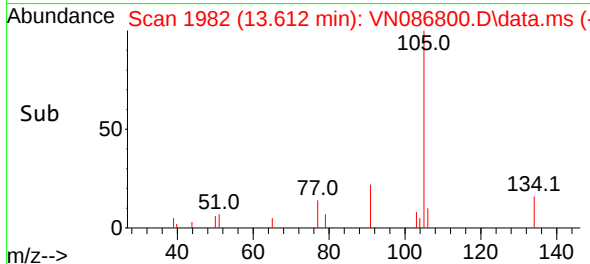
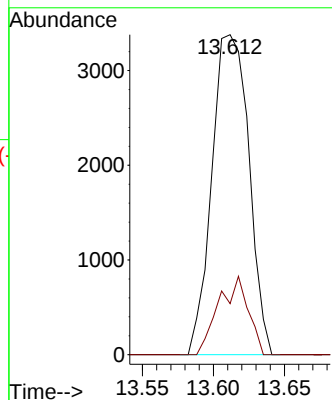
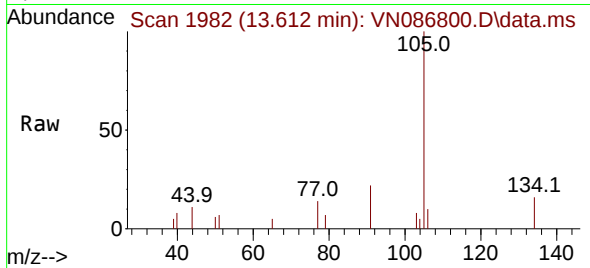
#85
 sec-Butylbenzene
 Concen: 0.661 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Tgt Ion:105 Resp: 612
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.1 30.1

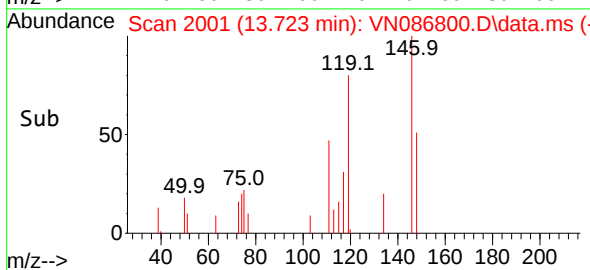
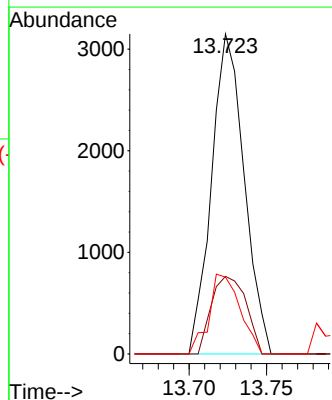
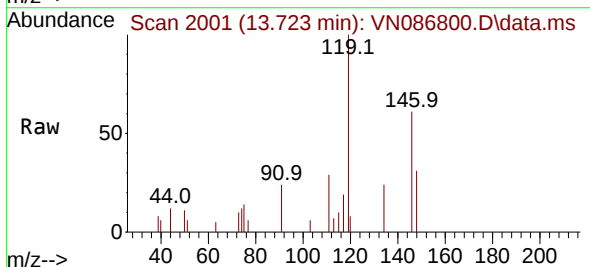
Manual Integrations
 APPROVED

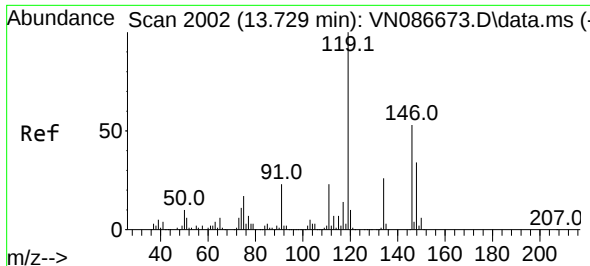
Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#86
 p-Isopropyltoluene
 Concen: 0.607 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086800.D
 Acq: 28 May 2025 15:33

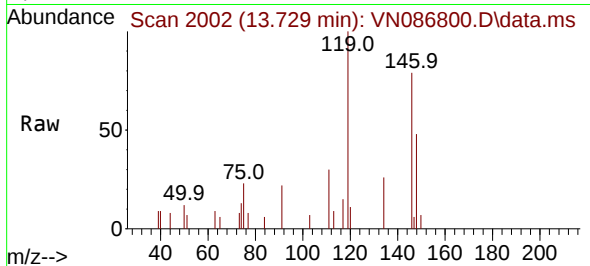
Tgt Ion:119 Resp: 4611
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.1
 91 23.7 11.5 34.5





#87
1,3-Dichlorobenzene
Concen: 0.802 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

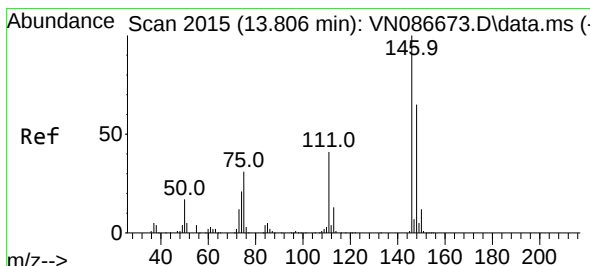
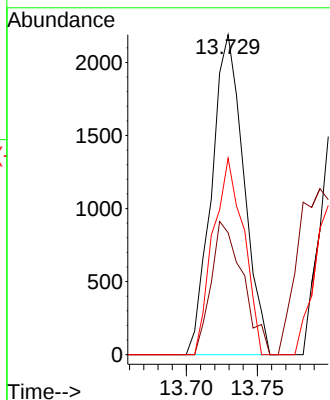
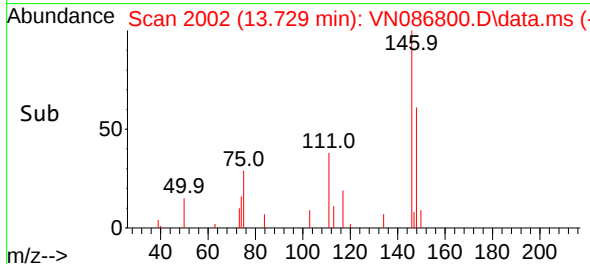
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion:146 Resp: 345
Ion Ratio Lower Upper
146 100
111 41.0 20.9 62.7
148 58.2 31.8 95.4

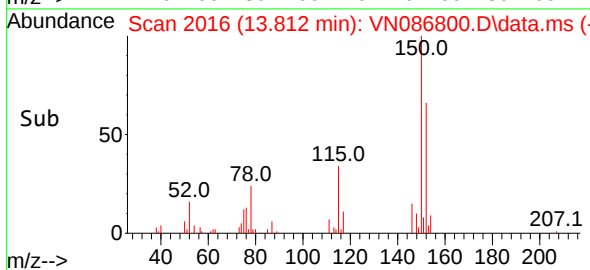
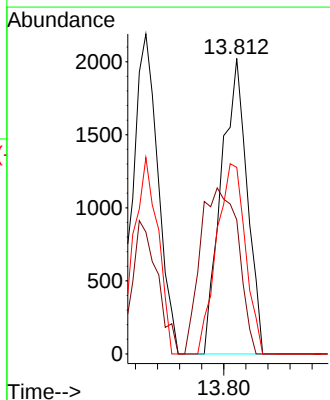
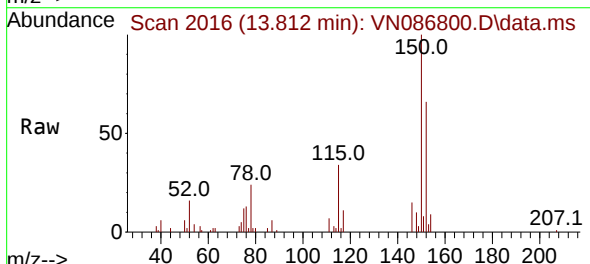
Manual Integrations
APPROVED

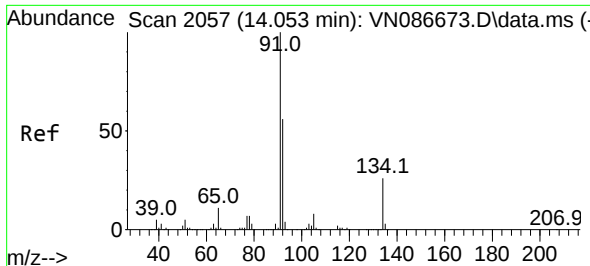
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#88
1,4-Dichlorobenzene
Concen: 0.769 ug/l m
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion:146 Resp: 3280
Ion Ratio Lower Upper
146 100
111 43.2 20.6 61.8
148 61.3 32.0 96.0





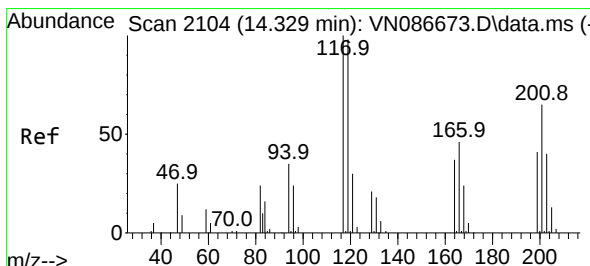
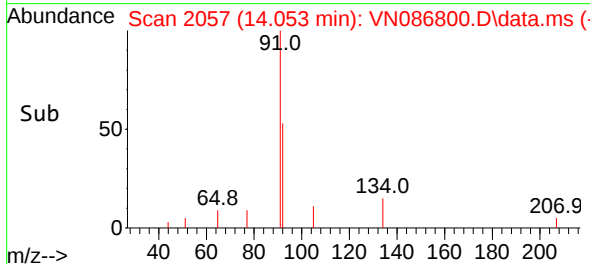
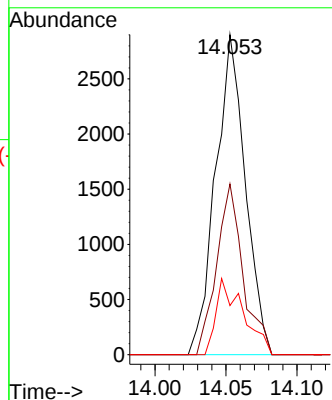
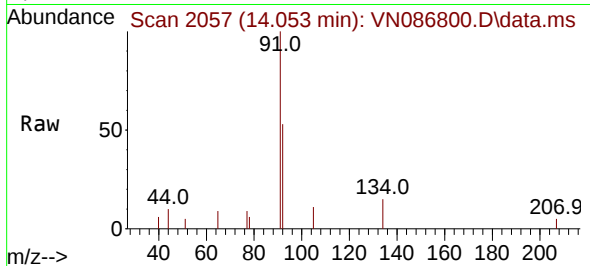
#89
n-Butylbenzene
Concen: 0.672 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 422
Ion Ratio Lower Upper
91 100
92 47.5 27.4 82.0
134 21.7 12.8 38.4

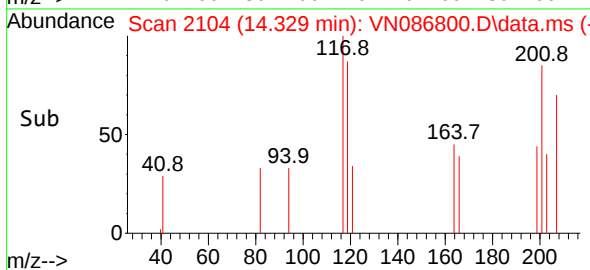
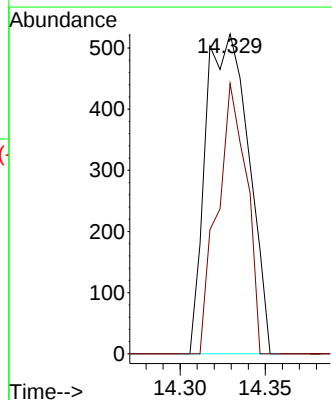
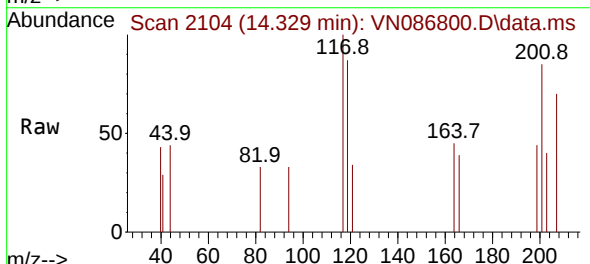
Manual Integrations
APPROVED

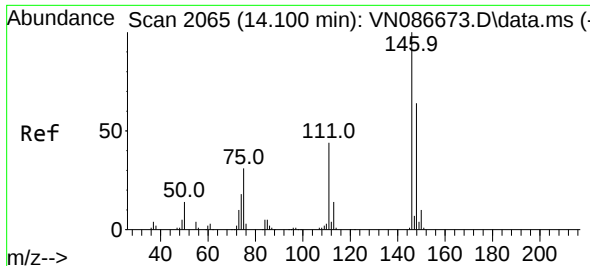
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#90
Hexachloroethane
Concen: 0.729 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Tgt Ion:117 Resp: 918
Ion Ratio Lower Upper
117 100
201 57.3 32.0 96.0





#91

1,2-Dichlorobenzene

Concen: 0.753 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

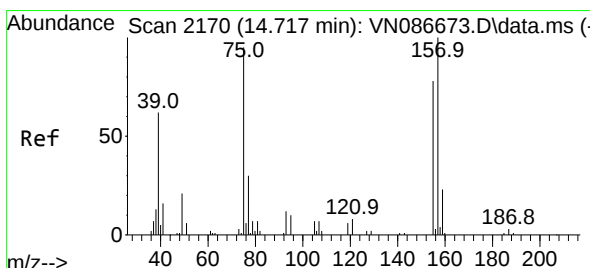
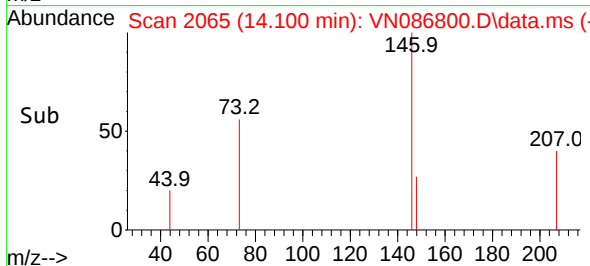
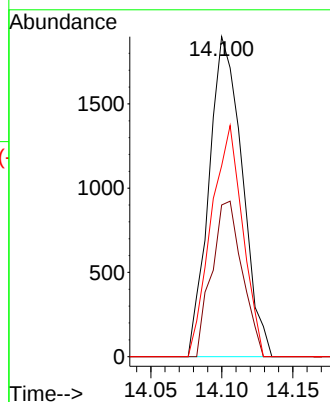
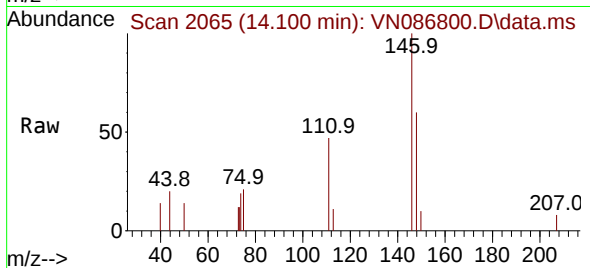
Tgt Ion:	146	Resp:	308
Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.6	65.0
148	68.6	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.312 ug/l

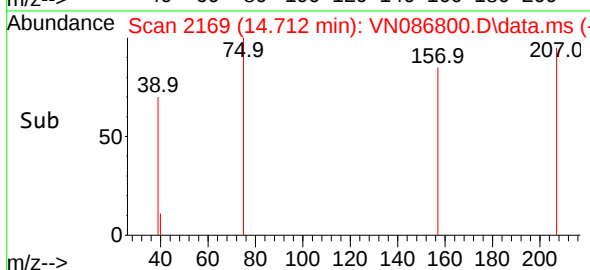
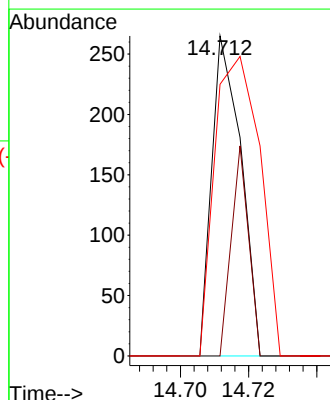
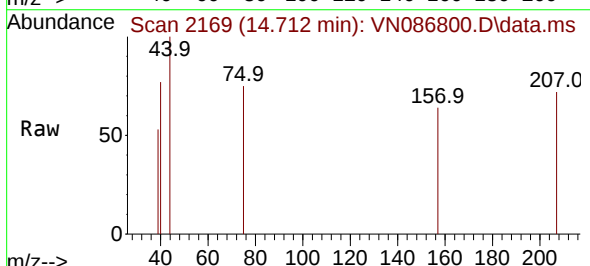
RT: 14.712 min Scan# 2169

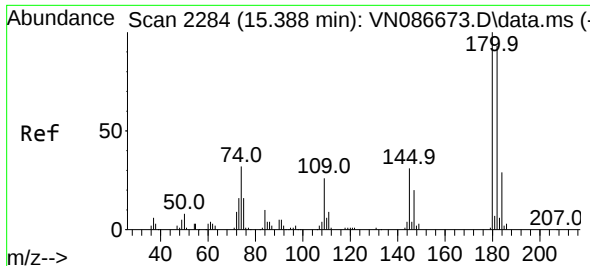
Delta R.T. -0.006 min

Lab File: VN086800.D

Acq: 28 May 2025 15:33

Tgt Ion:	75	Resp:	157
Ion	Ratio	Lower	Upper
75	100		
155	38.9	40.5	121.5#
157	145.2	53.6	160.8





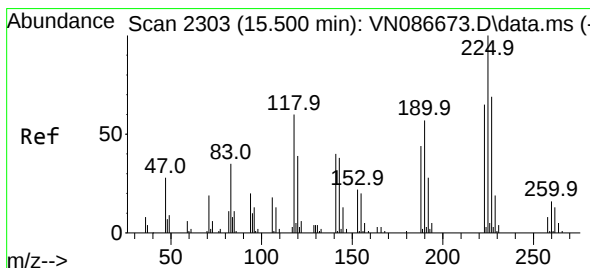
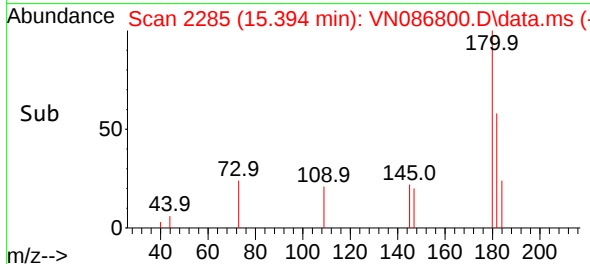
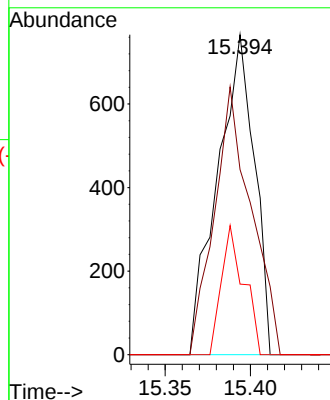
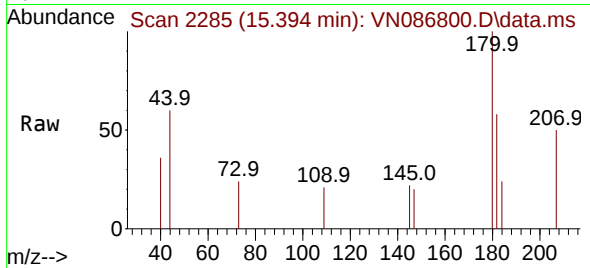
#93
1,2,4-Trichlorobenzene
Concen: 0.666 ug/l
RT: 15.394 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025

Tgt Ion:180 Resp: 115
Ion Ratio Lower Upper
180 100
182 83.6 47.1 141.3
145 24.6 15.6 46.8

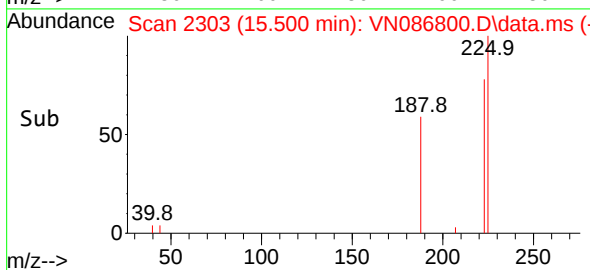
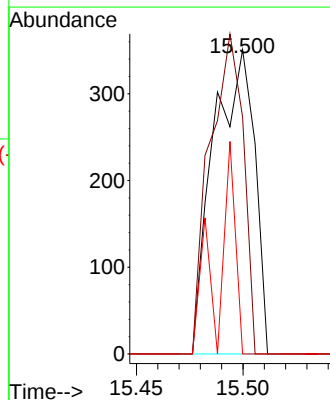
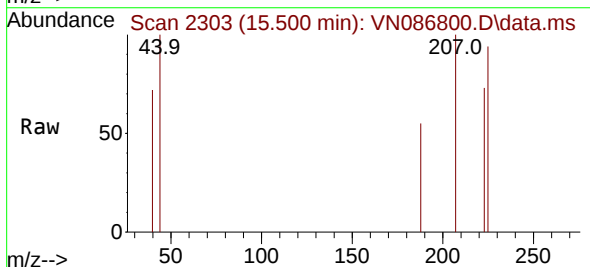
Manual Integrations
APPROVED

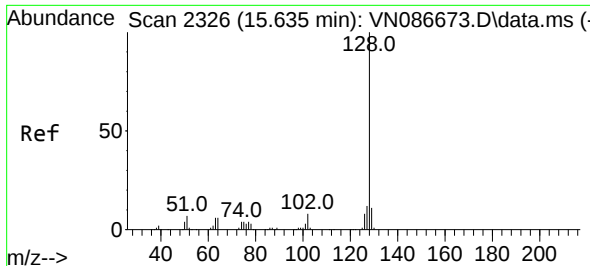
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#94
Hexachlorobutadiene
Concen: 0.655 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

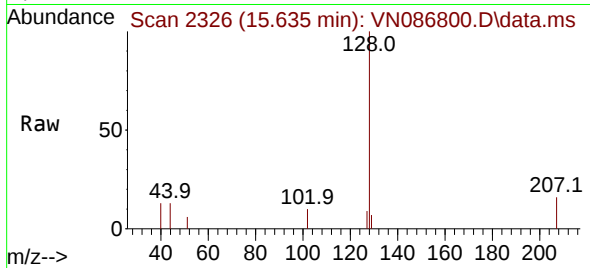
Tgt Ion:225 Resp: 470
Ion Ratio Lower Upper
225 100
223 85.5 32.9 98.6
227 30.2 32.4 97.2#





#95
Naphthalene
Concen: 0.695 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33

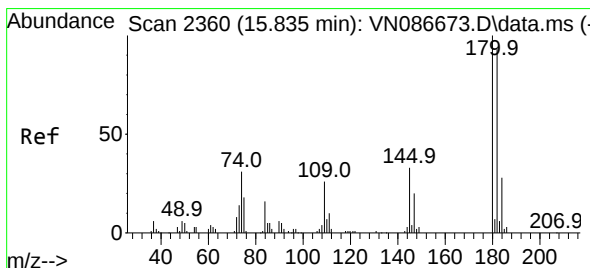
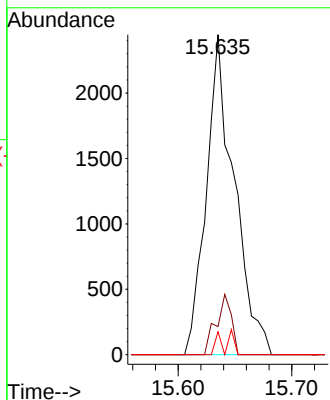
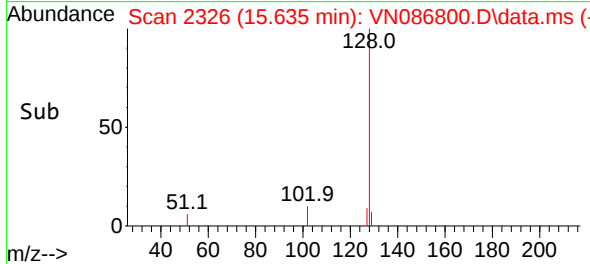
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



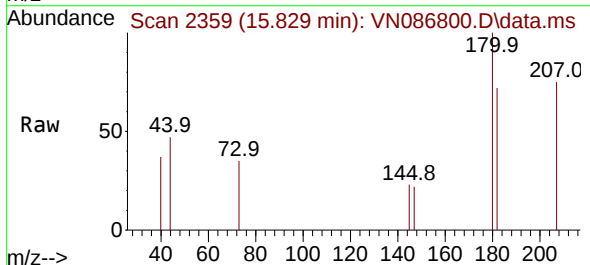
Tgt Ion:128 Resp: 4170
Ion Ratio Lower Upper
128 100
127 10.4 10.1 15.1
129 3.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.657 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086800.D
Acq: 28 May 2025 15:33



Tgt Ion:180 Resp: 1112
Ion Ratio Lower Upper
180 100
182 108.0 47.0 141.2
145 25.3 16.7 50.1

