

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042425\
 Data File : VN086396.D
 Acq On : 24 Apr 2025 13:20
 Operator : JC\MD
 Sample : Q1168-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Quant Time: Apr 25 02:00:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 25 02:00:10 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	29981	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	185390	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166215	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	90983	31.476	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.933%			
60) 4-Bromofluorobenzene	12.841	95	92114	28.197	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.000%			
63) Toluene-d8	10.565	98	277248	30.319	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	4958	2.395	ug/l	92
3) Chloromethane	2.359	50	8316	2.828	ug/l	94
4) Vinyl Chloride	2.518	62	7153	2.540	ug/l	94
5) Bromomethane	2.959	94	4527	3.079	ug/l	91
6) Chloroethane	3.124	64	5031	2.680	ug/l	97
7) Trichlorofluoromethane	3.495	101	8769	2.638	ug/l	98
8) Diethyl Ether	3.959	74	3777m	2.692	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	5379	2.632	ug/l	96
10) 1,1-Dichloroethene	4.342	96	5426	2.594	ug/l	97
11) Methyl Iodide	4.589	142	6355	2.597	ug/l	94
12) Methyl Acetate	5.030	43	7482	2.524	ug/l	93
13) Acrolein	4.183	56	3343	22.247	ug/l	98
14) Acrylonitrile	5.718	53	14266	12.930	ug/l	68
15) Acetone	4.436	58	3834	12.610	ug/l	74
16) Carbon Disulfide	4.712	76	15783	2.864	ug/l	95
17) Allyl chloride	5.024	41	9156	2.738	ug/l	98
18) Methylene Chloride	5.271	84	6645	2.790	ug/l #	90
19) trans-1,2-Dichloroethene	5.783	96	6212	2.786	ug/l	94
20) Diisopropyl ether	6.671	45	20454	2.572	ug/l	93
21) 1,1-Dichloroethane	6.565	63	11488	2.639	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	7303	2.620	ug/l	98
23) tert-Butyl Alcohol	5.518	59	6530m	15.278	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	20831	2.696	ug/l #	77
25) Chloroform	7.959	83	11945	2.712	ug/l	98
26) Cyclohexane	8.259	56	10258	2.669	ug/l #	96
29) 1,1-Dichloropropene	8.365	75	8071	2.469	ug/l	95
30) 2-Butanone	7.477	43	20414	12.869	ug/l	99
31) 2,2-Dichloropropane	7.483	77	10589	2.520	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	9954	2.549	ug/l	98
33) Carbon Tetrachloride	8.365	117	8105	2.521	ug/l	95
34) Benzene	8.606	78	27399	2.636	ug/l #	86
35) Methacrylonitrile	7.777	41	5095	2.816	ug/l	96
36) 1,2-Dichloroethane	8.665	62	8759	2.595	ug/l	97
37) Trichloroethene	9.347	130	6579	2.528	ug/l	99
38) Methylcyclohexane	9.600	83	9917	2.627	ug/l	98
39) 1,2-Dichloropropane	9.618	63	6350	2.473	ug/l	98
40) Dibromomethane	9.706	93	4331	2.522	ug/l	86
41) Bromodichloromethane	9.888	83	9148	2.517	ug/l #	98
42) Vinyl Acetate	6.600	43	74306	13.522	ug/l	99

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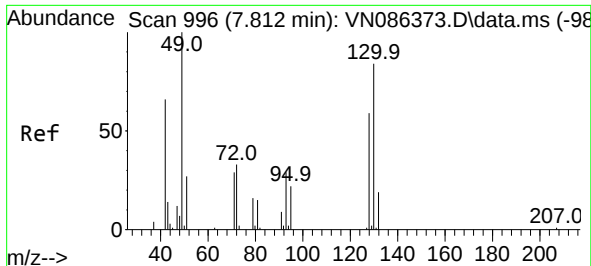
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Reviewed By : John Carlone 04/25/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	8427	2.684	ug/l	97
44) Isopropyl Acetate	8.688	43	18681	3.135	ug/l	91
45) 1,4-Dioxane	9.694	88	2784	59.888	ug/l #	86
46) Methyl methacrylate	9.677	41	7283	2.650	ug/l	86
47) n-amyl Acetate	12.488	43	12040	2.371	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	10083	2.482	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	10603	2.475	ug/l	93
50) 1,1,2-Trichloroethane	11.012	97	6144	2.561	ug/l	94
51) Ethyl methacrylate	10.871	69	9859	2.360	ug/l	93
52) 1,3-Dichloropropane	11.159	76	10870	2.564	ug/l	100
53) Dibromochloromethane	11.353	129	6748	2.505	ug/l	100
54) 1,2-Dibromoethane	11.465	107	6502	2.666	ug/l	94
55) 2-Chloroethyl vinyl ether	10.159	63	20651	10.514	ug/l	98
56) Bromoform	12.570	173	4137	2.367	ug/l #	97
58) 4-Methyl-2-Pentanone	10.441	43	42211	13.123	ug/l	98
59) 2-Hexanone	11.194	43	30291	12.779	ug/l	99
61) Tetrachloroethene	11.100	164	6826	2.693	ug/l	90
62) Toluene	10.624	91	29423	2.645	ug/l	97
64) Chlorobenzene	11.888	112	17997	2.596	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	5891	2.541	ug/l	98
66) Ethyl Benzene	11.959	91	32081	2.562	ug/l	98
67) m/p-Xylenes	12.065	106	23544	4.955	ug/l	99
68) o-Xylene	12.394	106	11542	2.481	ug/l	99
69) Styrene	12.406	104	18408	2.334	ug/l	99
70) Isopropylbenzene	12.694	105	28550	2.458	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	8136	2.661	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	5622m	2.109	ug/l	
73) Bromobenzene	12.976	156	6748	2.527	ug/l	96
74) n-propylbenzene	13.029	91	32278	2.339	ug/l	98
75) 2-Chlorotoluene	13.123	91	21204	2.461	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	22565	2.368	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	2963	2.190	ug/l	88
78) 4-Chlorotoluene	13.217	91	20363	2.364	ug/l	97
79) tert-butylbenzene	13.435	119	20013	2.452	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	22534	2.315	ug/l	99
81) sec-Butylbenzene	13.612	105	26282	2.256	ug/l	97
82) p-Isopropyltoluene	13.723	119	21902	2.247	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	11645	2.307	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	12063	2.419	ug/l	95
85) n-Butylbenzene	14.053	91	19110	2.197	ug/l	100
86) Hexachloroethane	14.329	117	3538	2.220	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	11447	2.384	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	1495	2.405	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	5026	2.296	ug/l	98
90) Hexachlorobutadiene	15.494	225	2485	2.819	ug/l	94
91) Naphthalene	15.635	128	18547	2.367	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	5026	2.296	ug/l	98

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



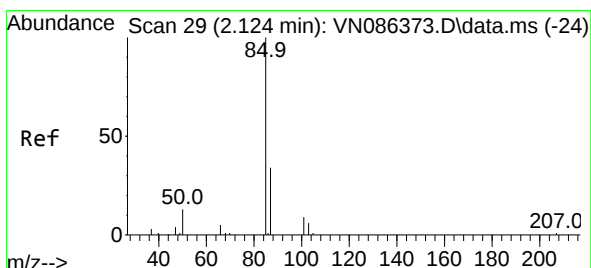
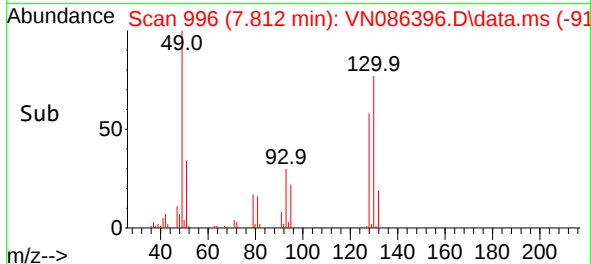
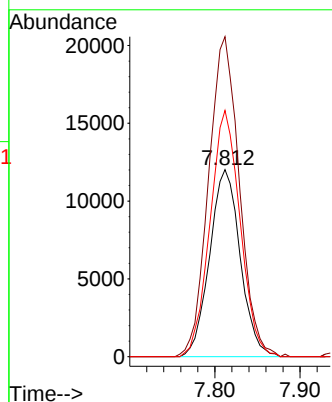
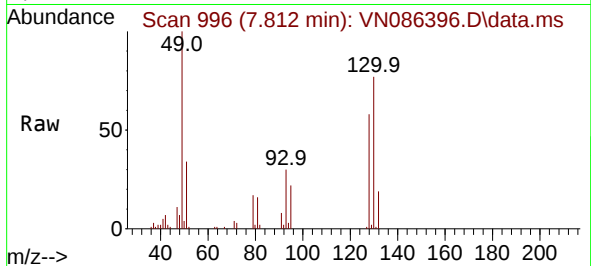
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:128 Resp: 2998
Ion Ratio Lower Upper
128 100
49 172.0 0.0 433.8
130 129.8 0.0 325.0

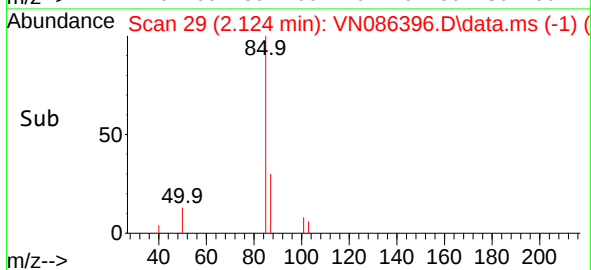
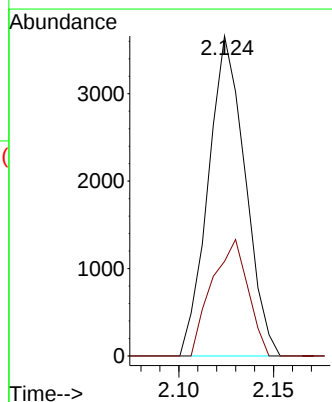
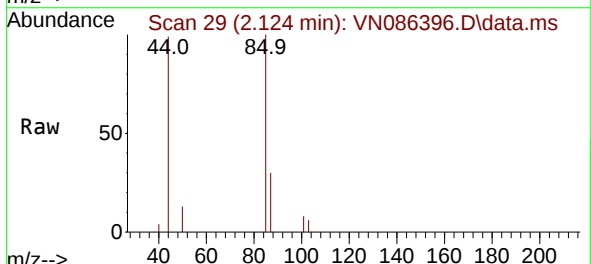
Manual Integrations
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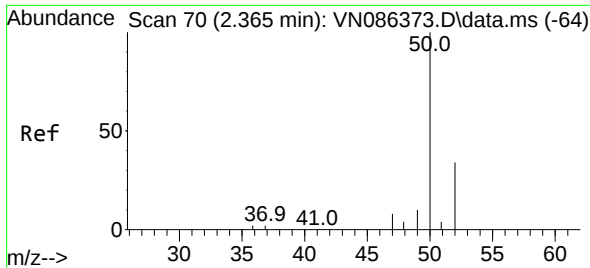
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 2.395 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

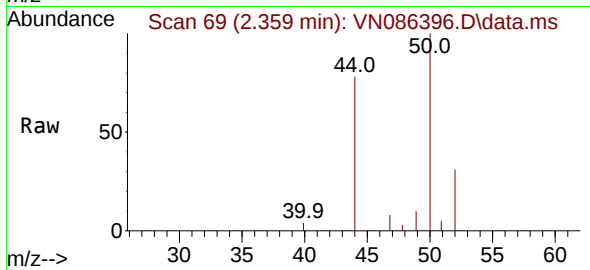
Tgt Ion: 85 Resp: 4958
Ion Ratio Lower Upper
85 100
87 29.6 17.0 50.9





#3
Chloromethane
Concen: 2.828 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

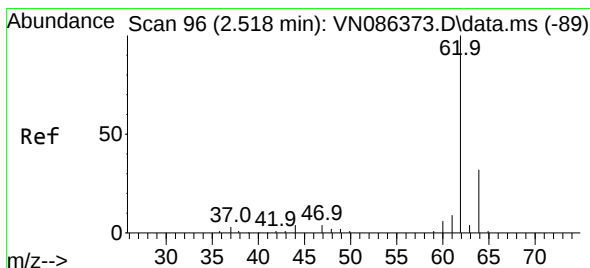
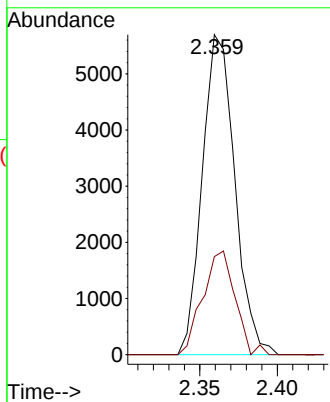
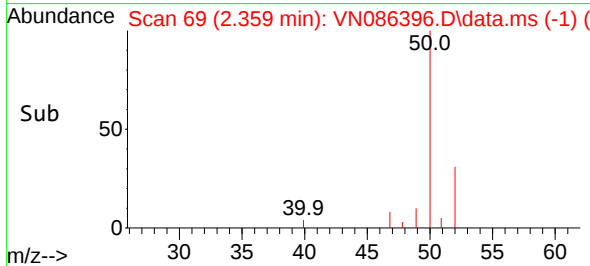
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



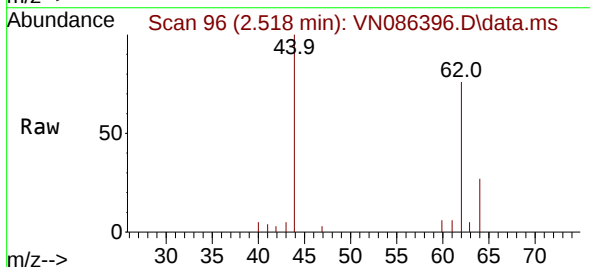
Tgt Ion: 50 Resp: 8310
Ion Ratio Lower Upper
50 100
52 30.7 27.3 40.9

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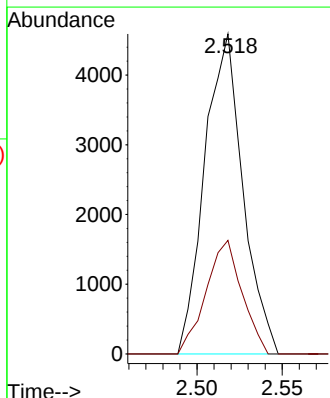
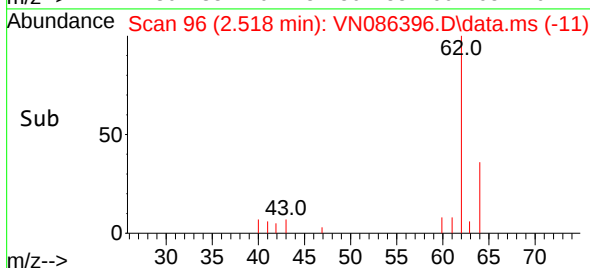
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

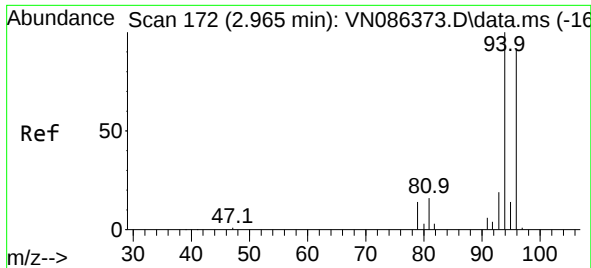


#4
Vinyl Chloride
Concen: 2.540 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



Tgt Ion: 62 Resp: 7153
Ion Ratio Lower Upper
62 100
64 35.5 25.8 38.8





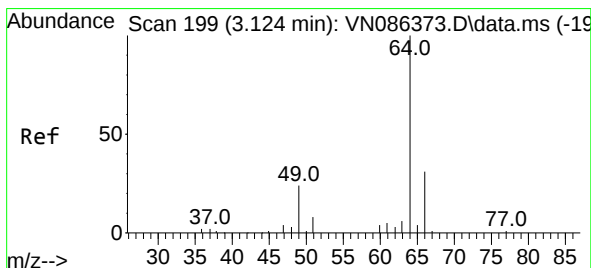
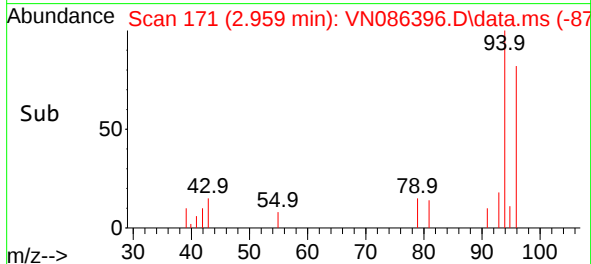
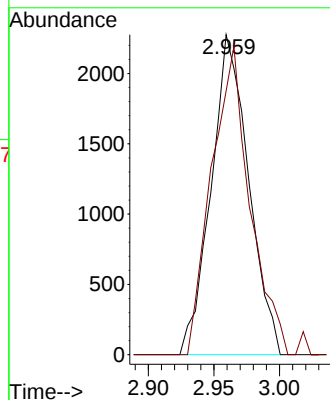
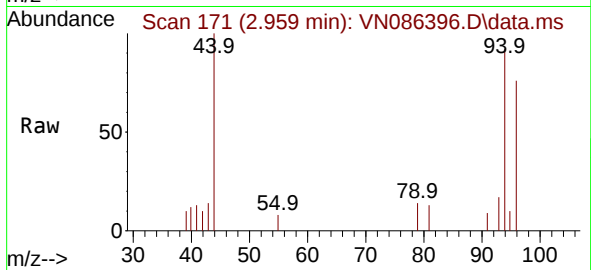
#5
Bromomethane
Concen: 3.079 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 94 Resp: 452
Ion Ratio Lower Upper
94 100
96 82.4 72.4 108.6

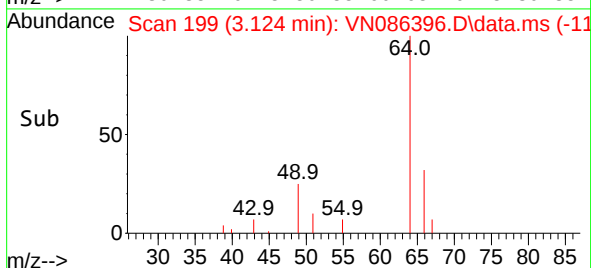
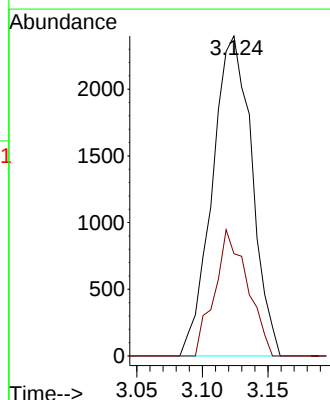
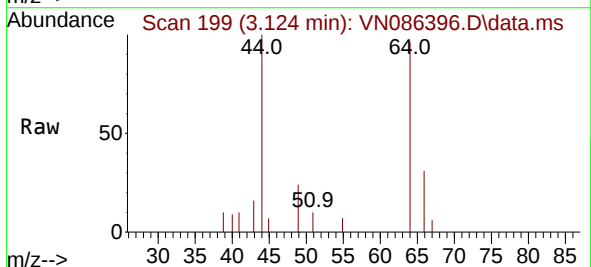
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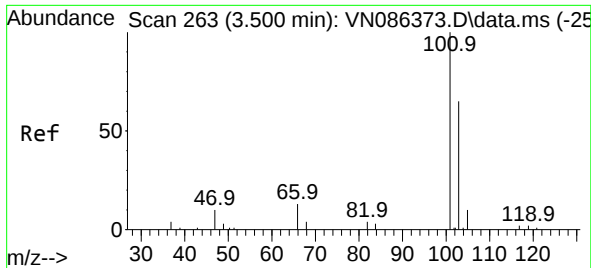
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#6
Chloroethane
Concen: 2.680 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

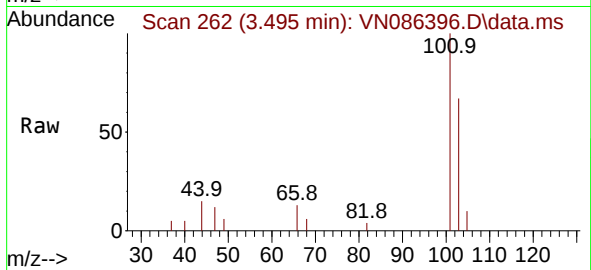
Tgt Ion: 64 Resp: 5031
Ion Ratio Lower Upper
64 100
66 32.0 24.5 36.7





#7
 Trichlorofluoromethane
 Concen: 2.638 ug/l
 RT: 3.495 min Scan# 262
 Delta R.T. -0.006 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

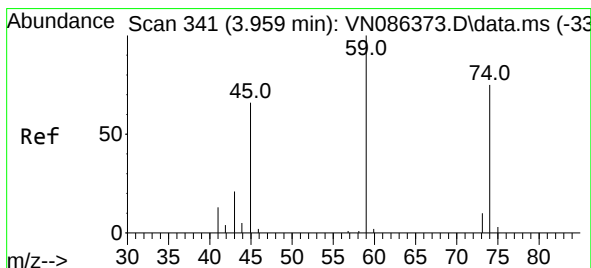
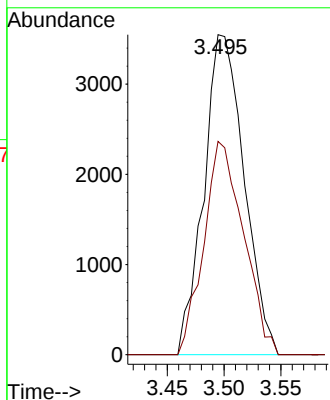
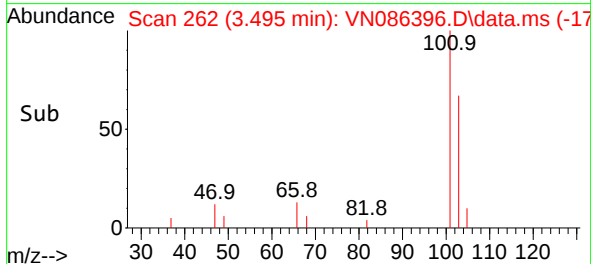
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Tgt Ion:101 Resp: 8769
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.8 77.6

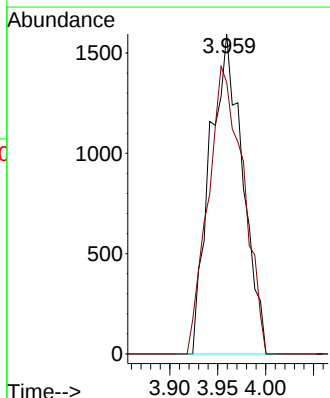
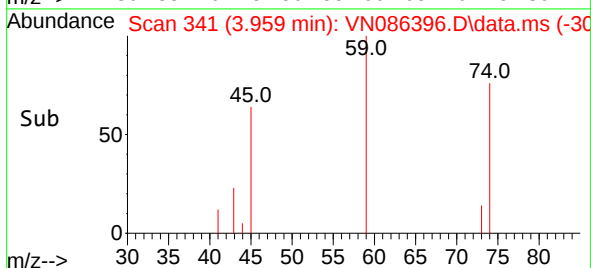
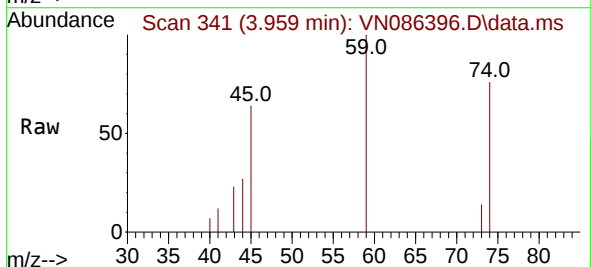
Manual Integrations
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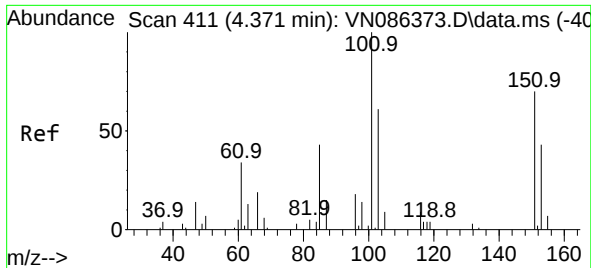
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#8
 Diethyl Ether
 Concen: 2.692 ug/l m
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

Tgt Ion: 74 Resp: 3777
 Ion Ratio Lower Upper
 74 100
 45 96.5 18.5 166.3





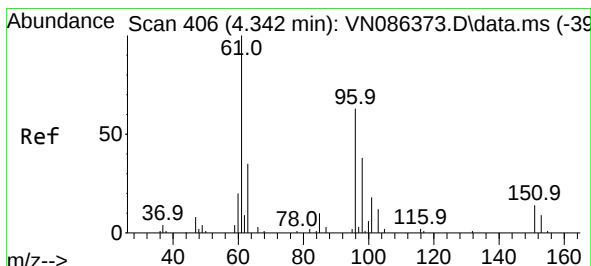
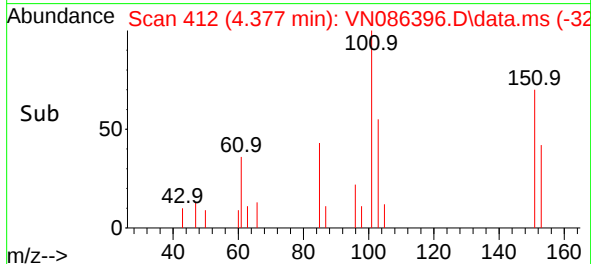
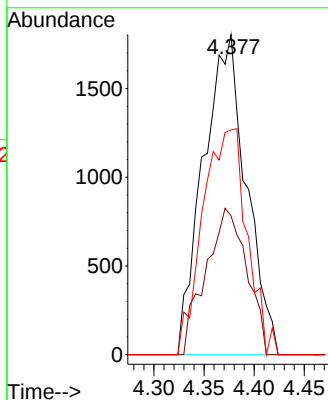
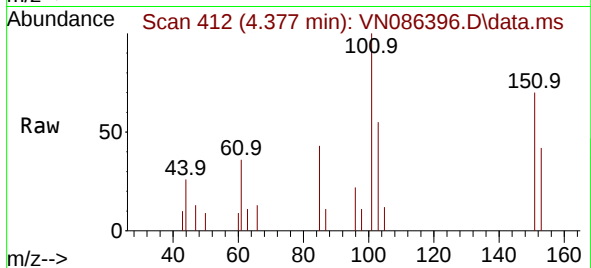
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.632 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 101 Resp: 5379
Ion Ratio Lower Upper
101 100
85 37.4 0.0 84.4
151 71.4 0.0 145.8

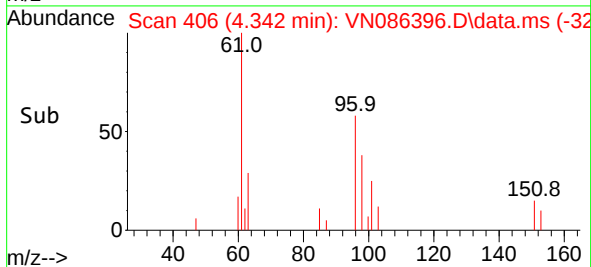
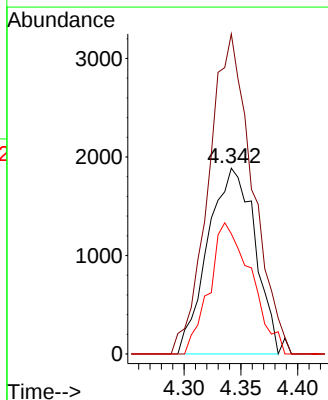
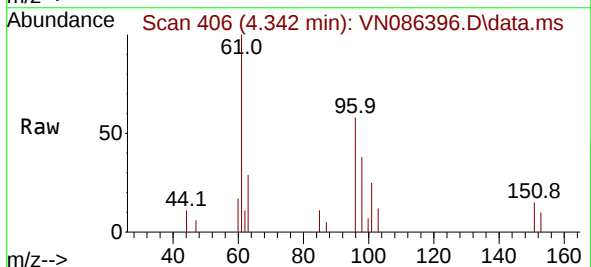
Manual Integrations
APPROVED

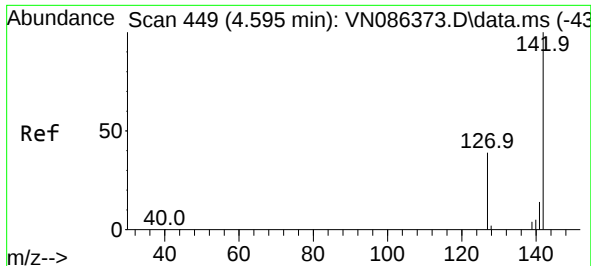
Reviewed By : John Carlone 04/25/2025
Supervised By : Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 2.594 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

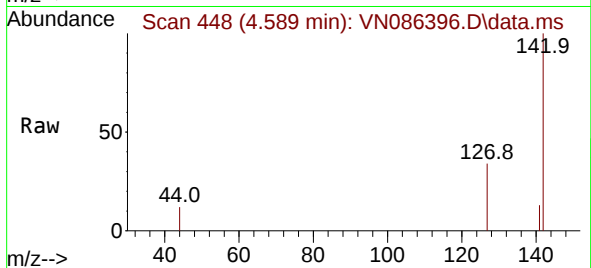
Tgt Ion: 96 Resp: 5426
Ion Ratio Lower Upper
96 100
61 161.1 126.2 189.4
98 64.7 48.5 72.7





#11
Methyl Iodide
Concen: 2.597 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

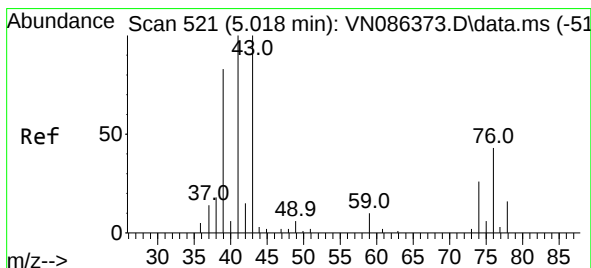
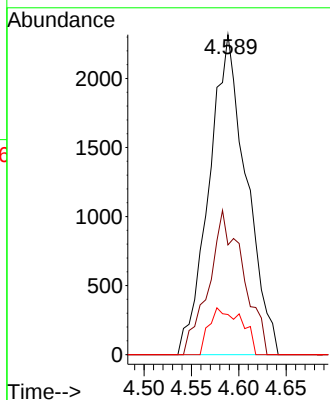
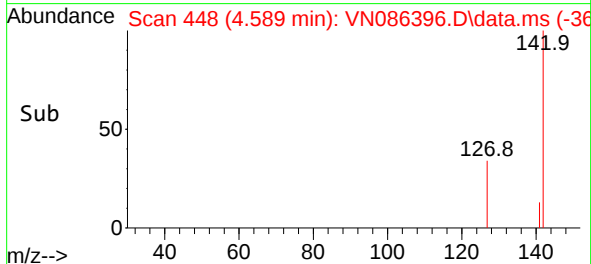
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:142 Resp: 635
Ion Ratio Lower Upper
142 100
127 34.3 19.3 57.9
141 12.5 7.1 21.3

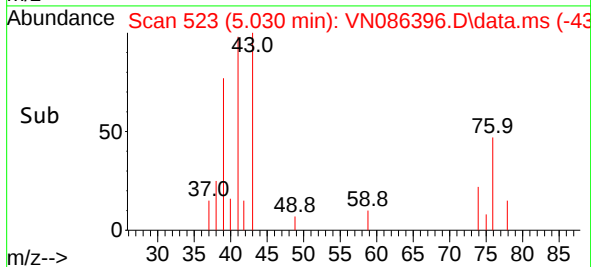
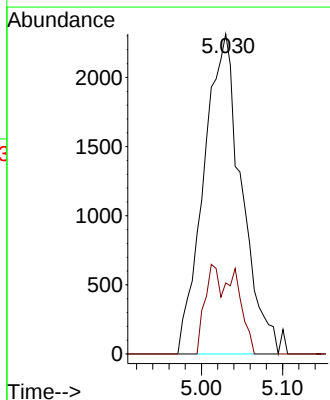
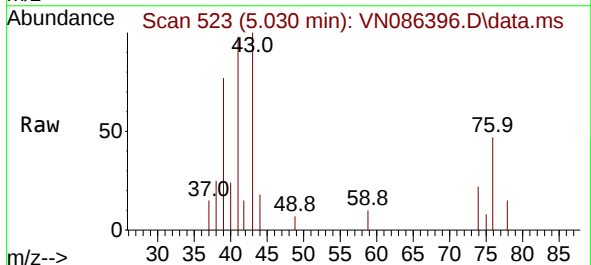
Manual Integrations
APPROVED

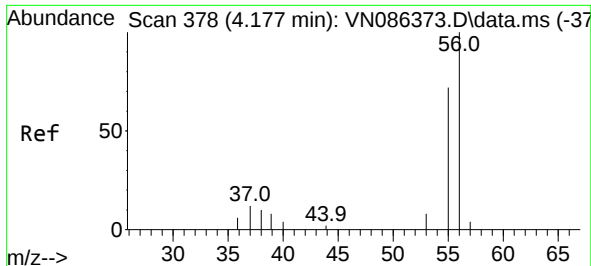
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#12
Methyl Acetate
Concen: 2.524 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

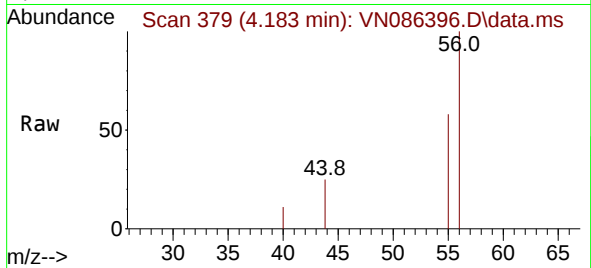
Tgt Ion: 43 Resp: 7482
Ion Ratio Lower Upper
43 100
74 22.2 20.8 31.2





#13
Acrolein
Concen: 22.247 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

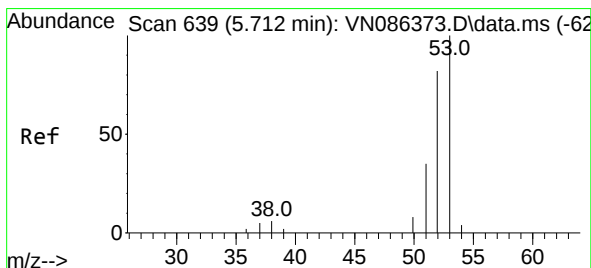
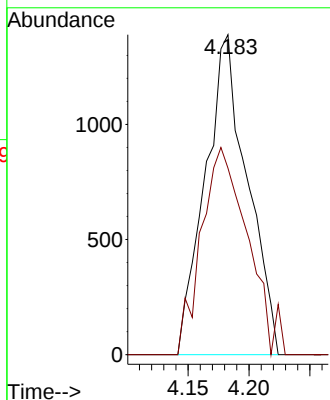
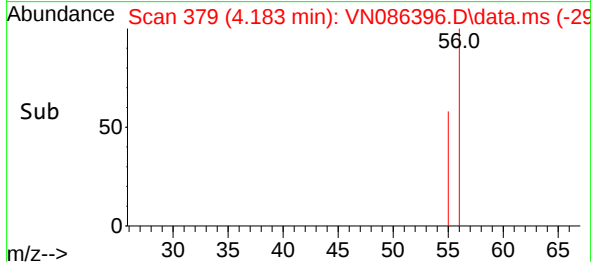
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 56 Resp: 334
Ion Ratio Lower Upper
56 100
55 68.9 56.1 84.1

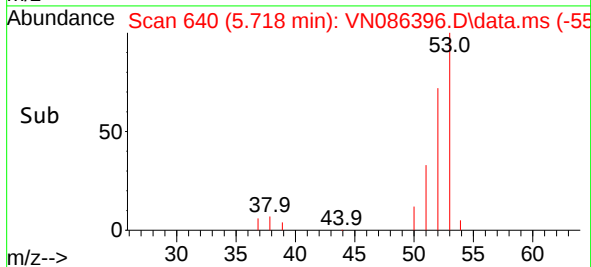
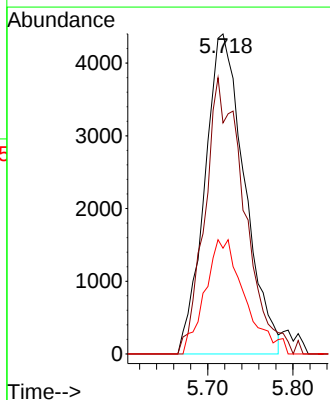
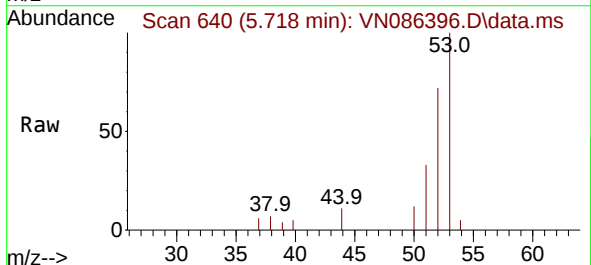
Manual Integrations
APPROVED

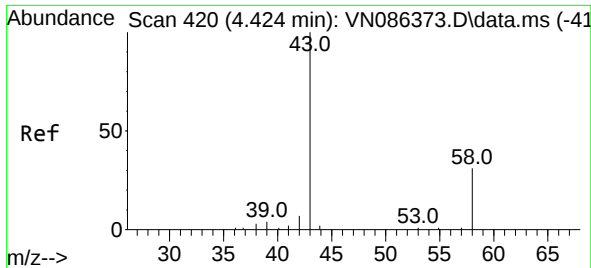
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#14
Acrylonitrile
Concen: 12.930 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

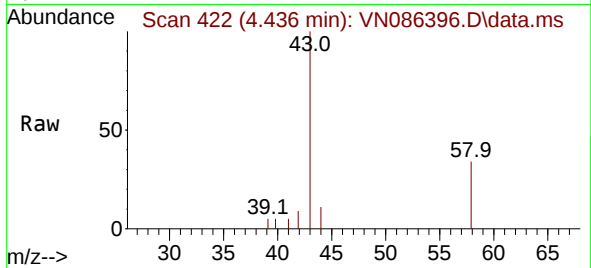
Tgt Ion: 53 Resp: 14266
Ion Ratio Lower Upper
53 100
52 41.7 41.2 123.6
51 34.9 17.6 52.8





#15
Acetone
Concen: 12.610 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

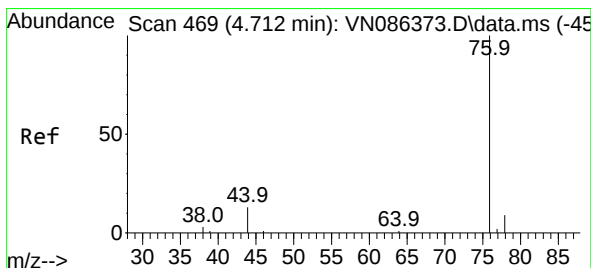
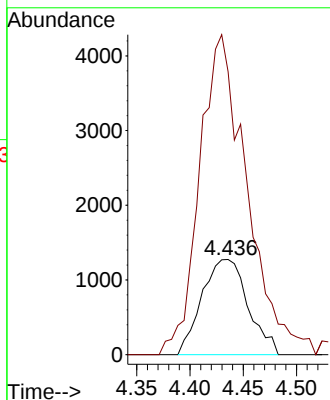
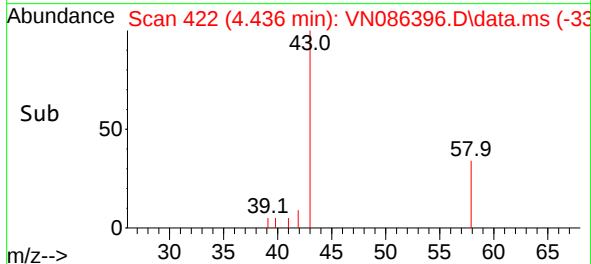
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 58 Resp: 3834
Ion Ratio Lower Upper
58 100
43 266.3 255.1 382.7

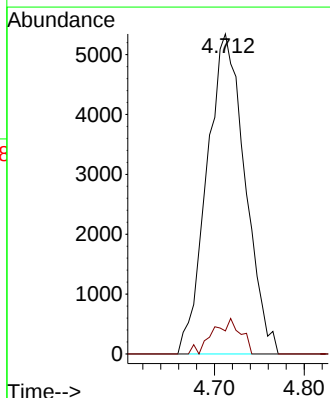
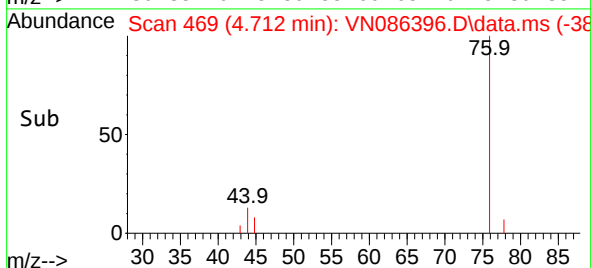
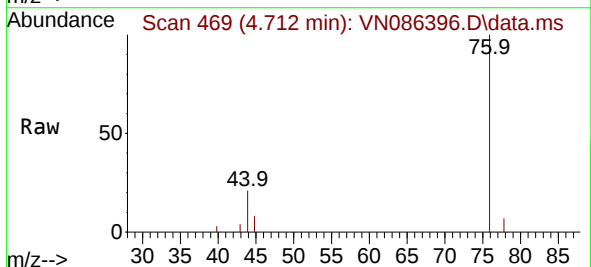
Manual Integrations
APPROVED

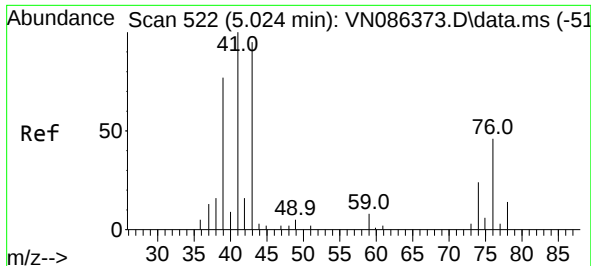
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#16
Carbon Disulfide
Concen: 2.864 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

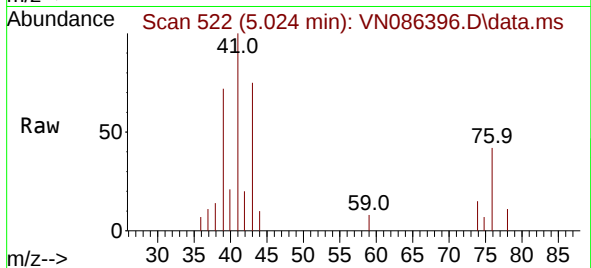
Tgt Ion: 76 Resp: 15783
Ion Ratio Lower Upper
76 100
78 7.2 7.1 10.7





#17
 Allyl chloride
 Concen: 2.738 ug/l
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

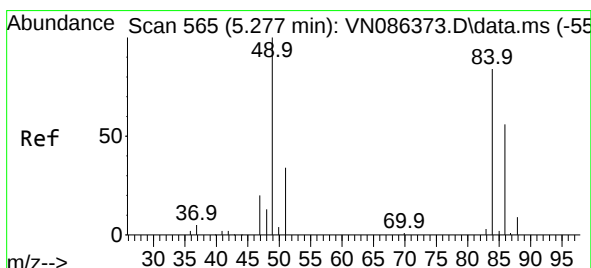
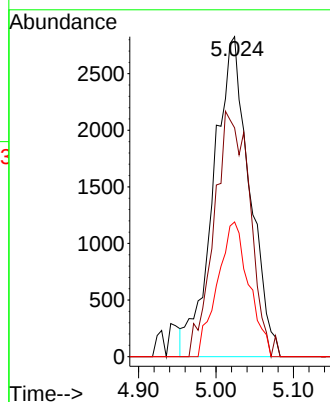
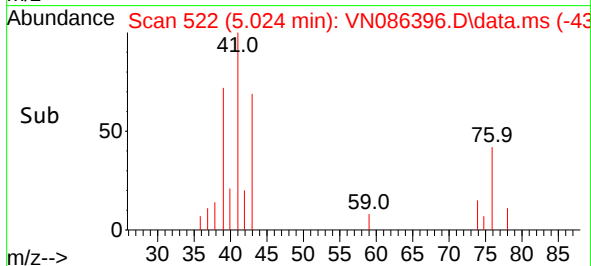
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2025



Tgt Ion: 41 Resp: 9150
 Ion Ratio Lower Upper
 41 100
 39 71.5 36.7 110.1
 76 42.1 21.8 65.4

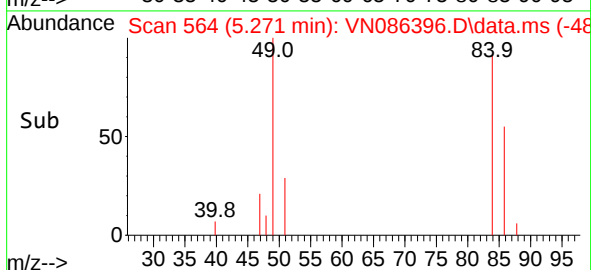
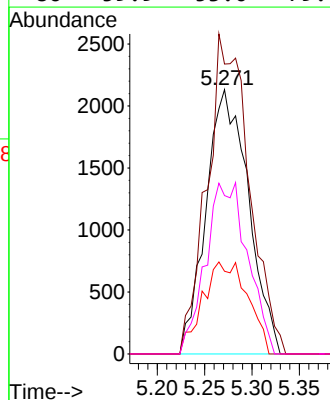
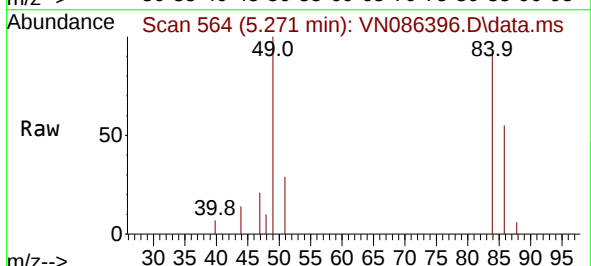
Manual Integrations
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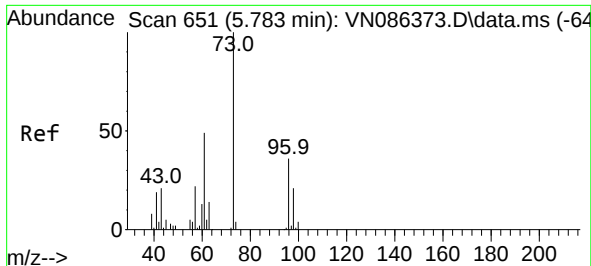
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#18
 Methylene Chloride
 Concen: 2.790 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

Tgt Ion: 84 Resp: 6645
 Ion Ratio Lower Upper
 84 100
 49 109.7 95.4 143.0
 51 31.3 32.8 49.2#
 86 59.9 53.0 79.4





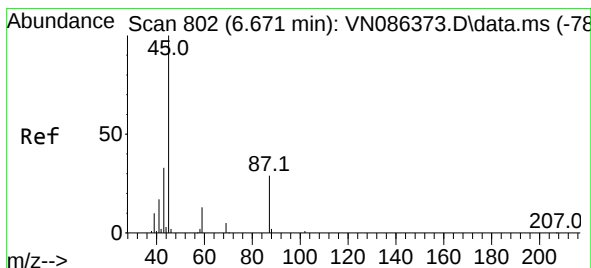
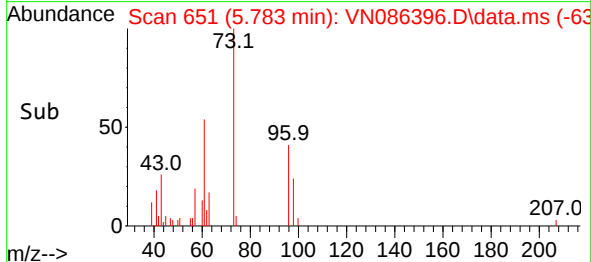
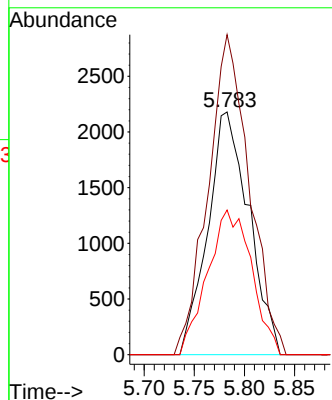
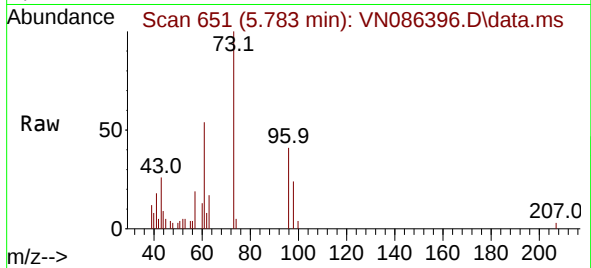
#19
trans-1,2-Dichloroethene
Concen: 2.786 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 96 Resp: 621
Ion Ratio Lower Upper
96 100
61 124.7 107.3 160.9
98 59.6 46.7 70.1

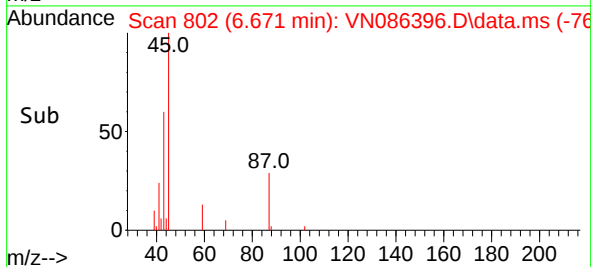
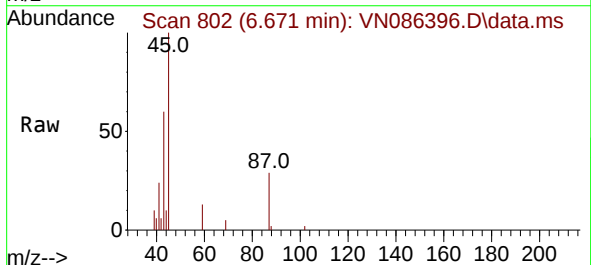
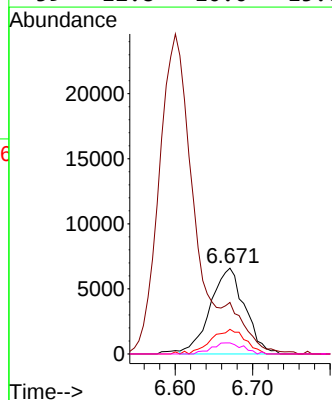
Manual Integrations
APPROVED

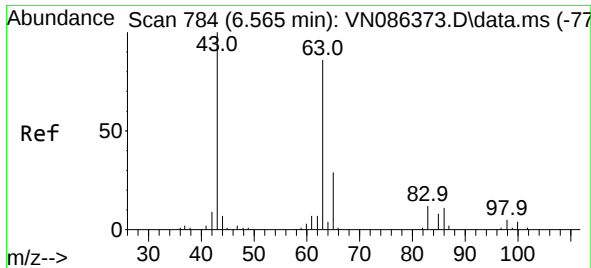
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#20
Diisopropyl ether
Concen: 2.572 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion: 45 Resp: 20454
Ion Ratio Lower Upper
45 100
43 57.3 38.8 58.2
87 28.7 23.5 35.3
59 12.8 10.0 15.0





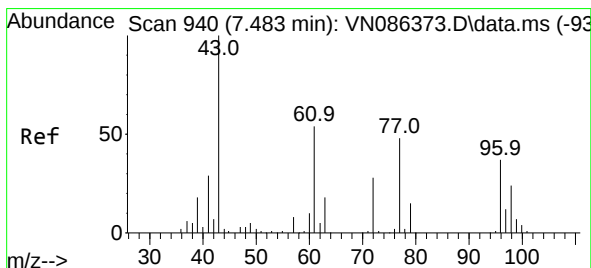
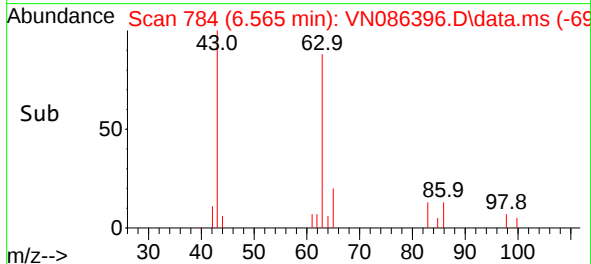
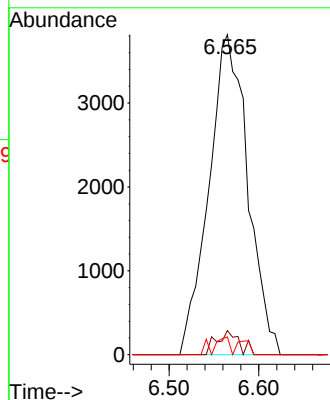
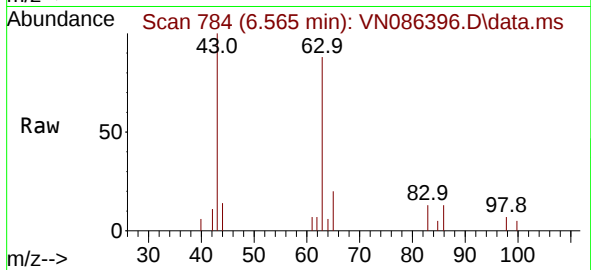
#21
1,1-Dichloroethane
Concen: 2.639 ug/l
RT: 6.565 min Scan# 714
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2025

Tgt Ion: 63 Resp: 1148
Ion Ratio Lower Upper
63 100
98 7.6 3.0 9.2
100 5.6 2.3 6.8

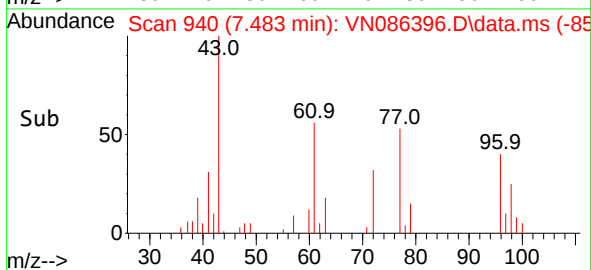
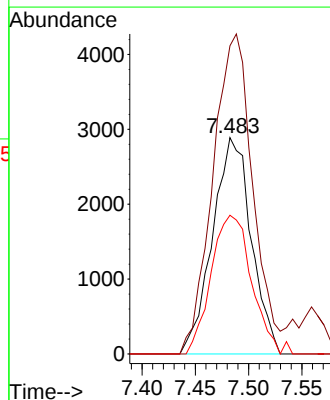
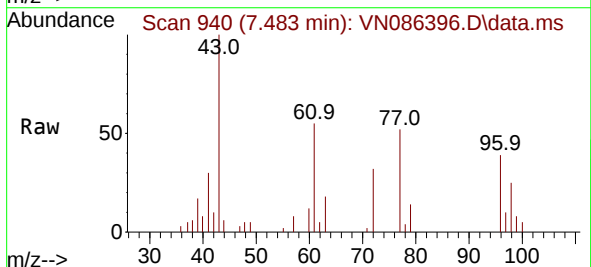
Manual Integrations
APPROVED

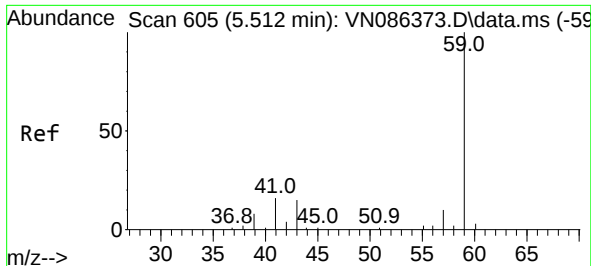
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 2.620 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

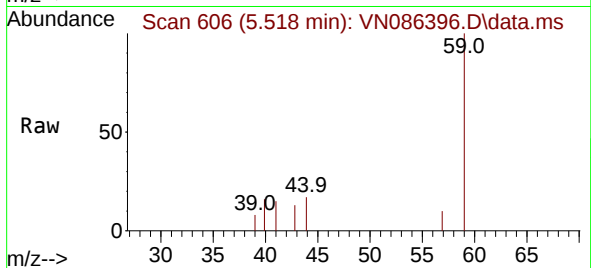
Tgt Ion: 96 Resp: 7303
Ion Ratio Lower Upper
96 100
61 152.4 120.6 181.0
98 66.5 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 15.278 ug/l m
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

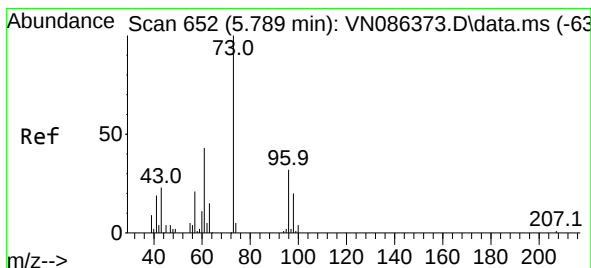
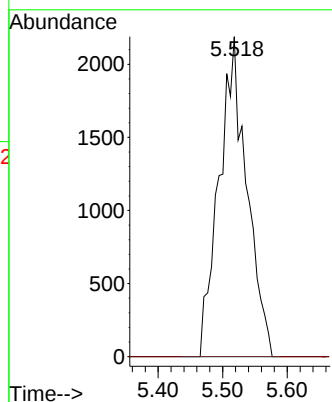
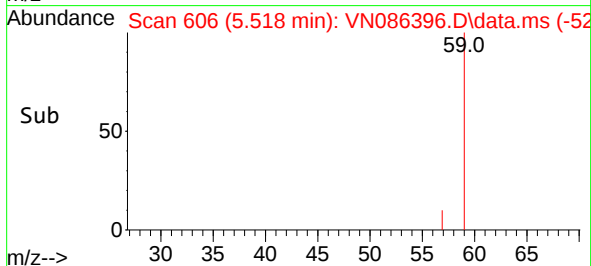
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



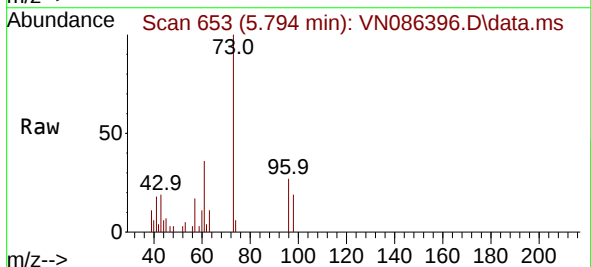
Tgt Ion: 59 Resp: 6530
Ion Ratio Lower Upper
59 100
52 91.0 0.1 0.1

Manual Integrations
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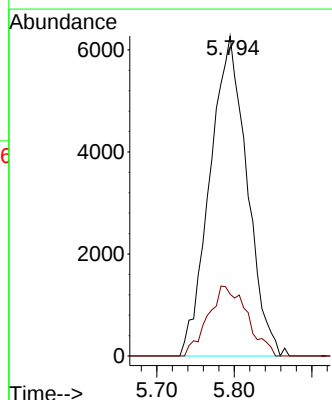
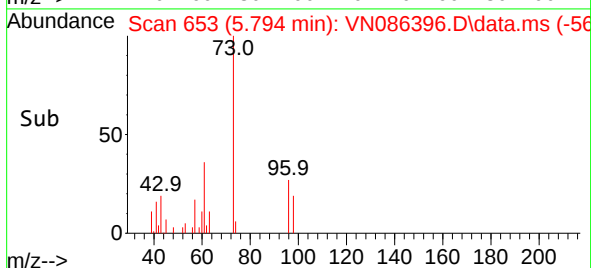
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

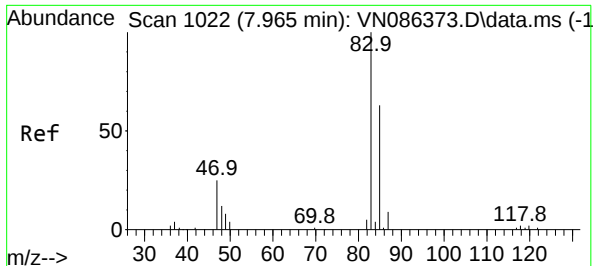


#24
Methyl tert-Butyl Ether
Concen: 2.696 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



Tgt Ion: 73 Resp: 20831
Ion Ratio Lower Upper
73 100
43 10.4 17.1 25.7





#25

Chloroform

Concen: 2.712 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2025

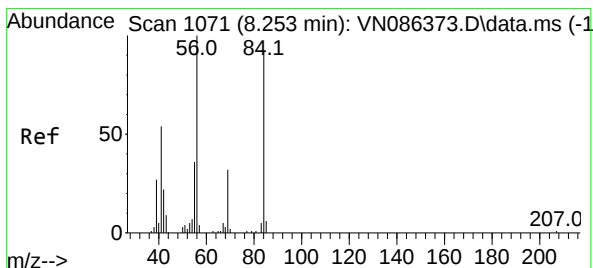
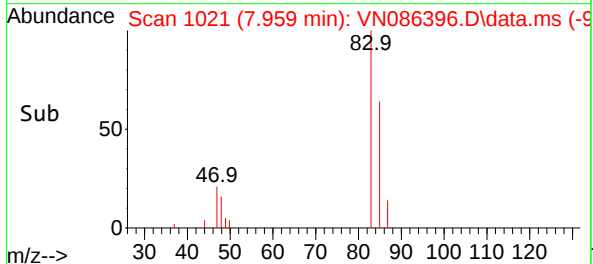
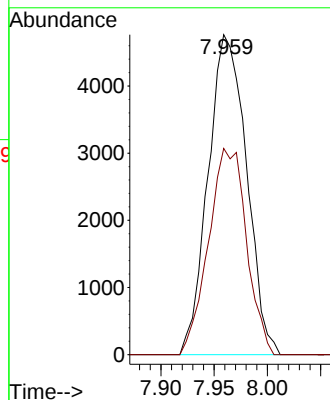
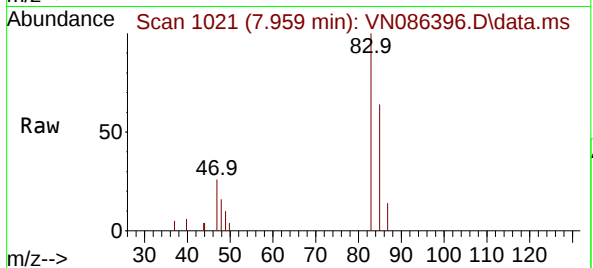
Tgt Ion: 83 Resp: 1194
 Ion Ratio Lower Upper
 83 100
 85 64.4 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 2.669 ug/l

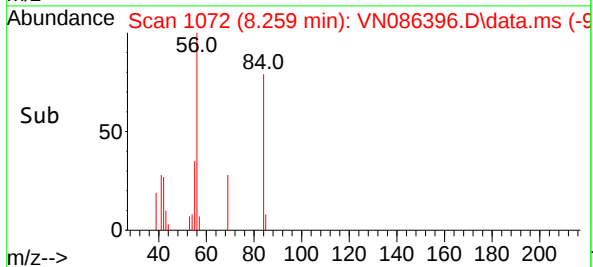
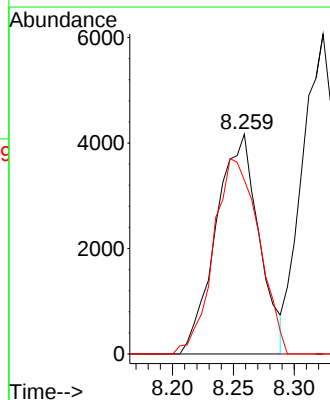
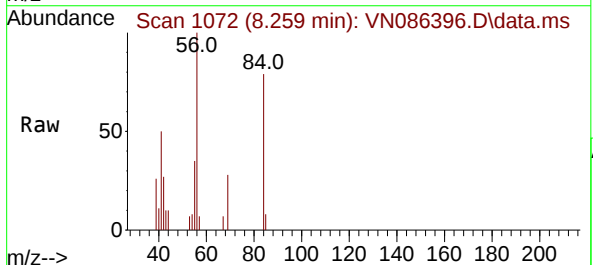
RT: 8.259 min Scan# 1072

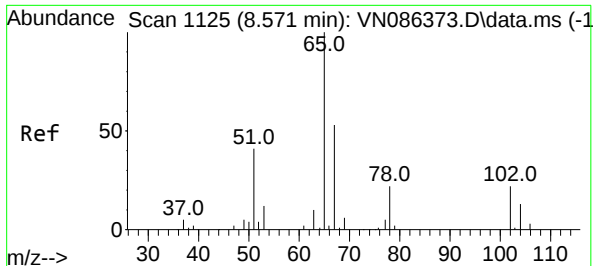
Delta R.T. 0.006 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

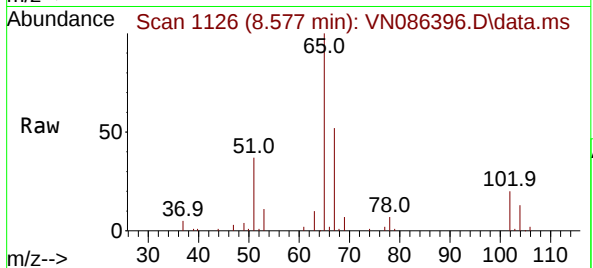
Tgt Ion: 56 Resp: 10258
 Ion Ratio Lower Upper
 56 100
 89 0.0 0.0 0.0
 84 93.5 71.5 107.3





#27
1,2-Dichloroethane-d4
Concen: 31.476 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

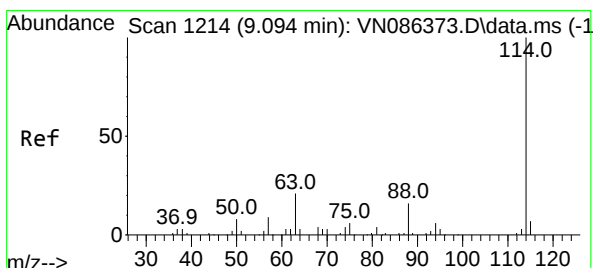
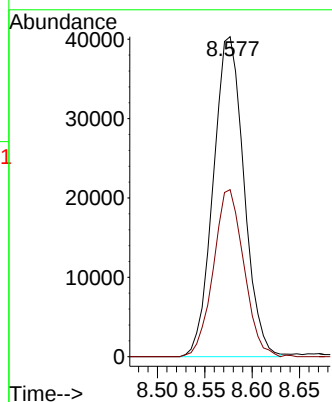
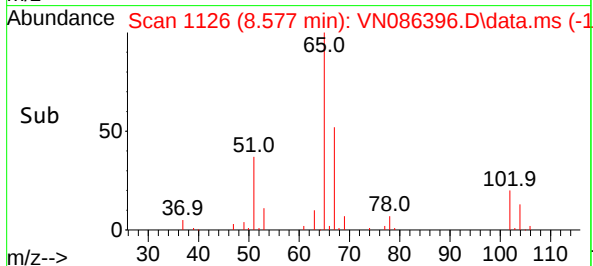
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



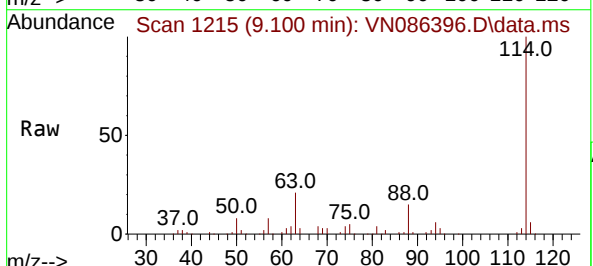
Tgt Ion: 65 Resp: 9098
Ion Ratio Lower Upper
65 100
67 51.7 42.5 63.7

Manual Integrations
APPROVED

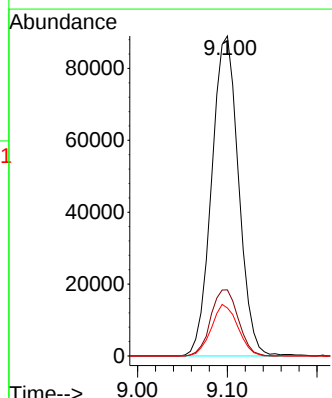
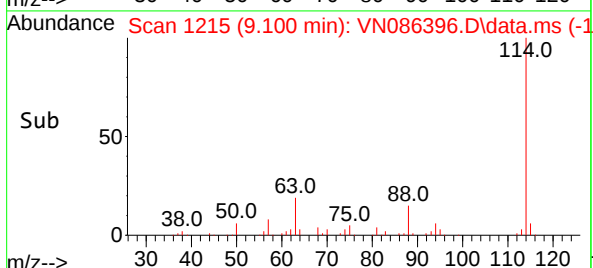
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

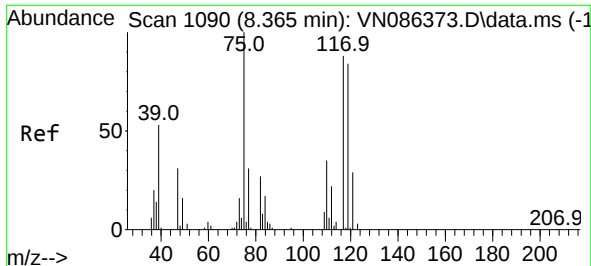


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



Tgt Ion:114 Resp: 185390
Ion Ratio Lower Upper
114 100
63 21.2 16.7 25.1
88 15.8 12.6 19.0





#29

1,1-Dichloropropene

Concen: 2.469 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2025

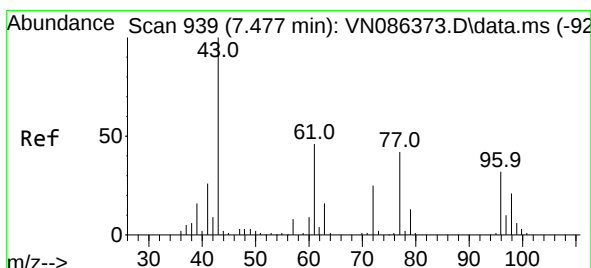
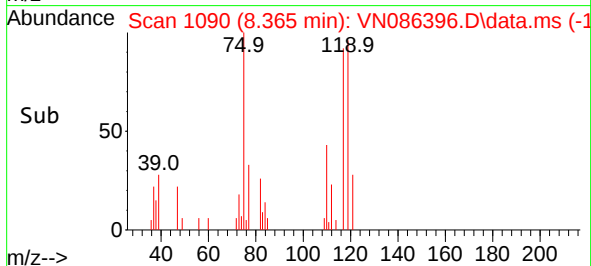
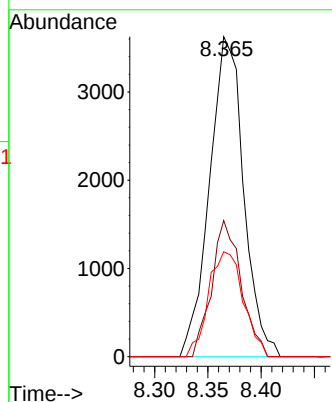
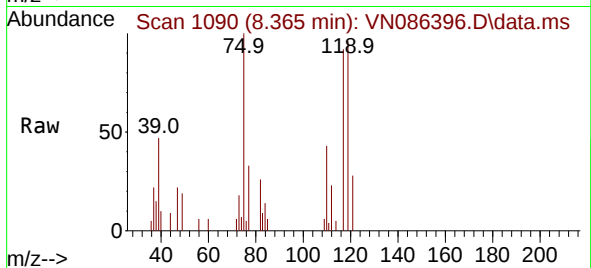
Tgt Ion: 75	Resp: 807
Ion Ratio	Lower Upper
75 100	
110 36.8	0.0 68.0
77 33.5	0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 12.869 ug/l

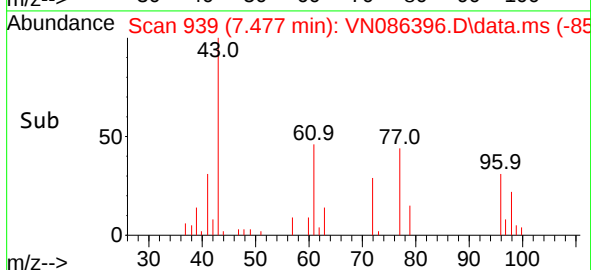
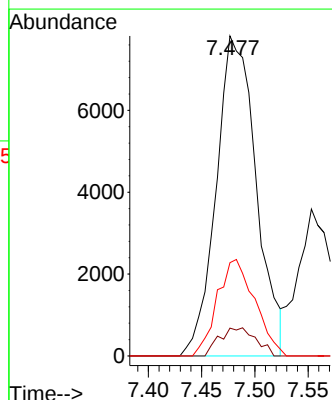
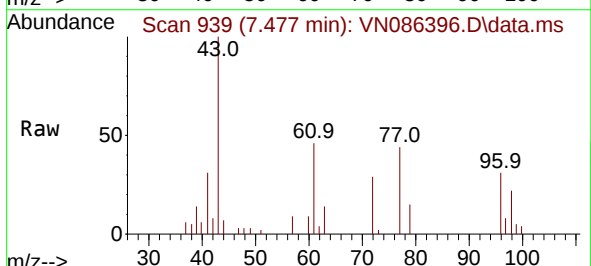
RT: 7.477 min Scan# 939

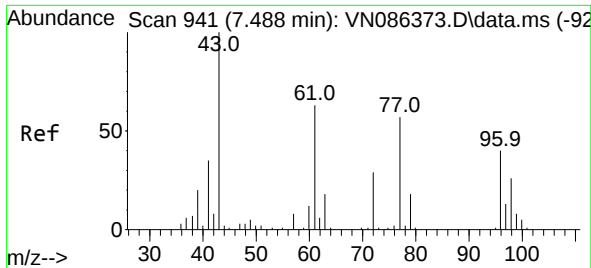
Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

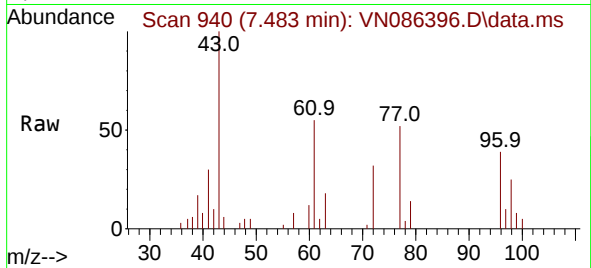
Tgt Ion: 43	Resp: 20414
Ion Ratio	Lower Upper
43 100	
57 8.0	6.6 10.0
72 28.3	22.2 33.4





#31
2,2-Dichloropropane
Concen: 2.520 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

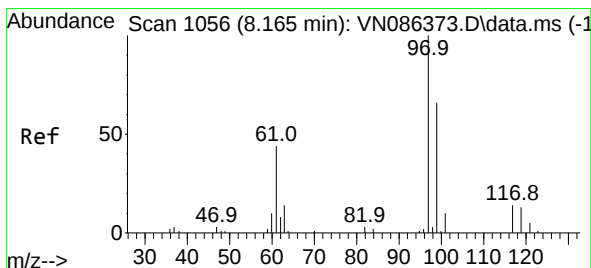
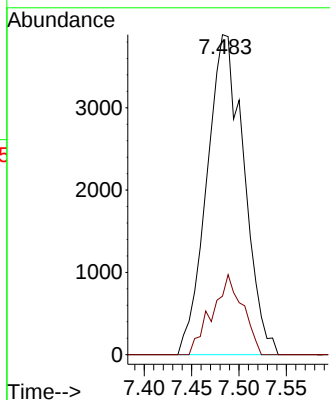
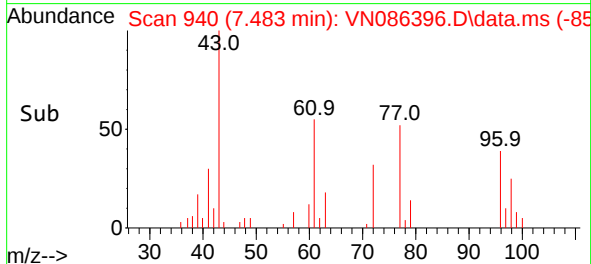
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



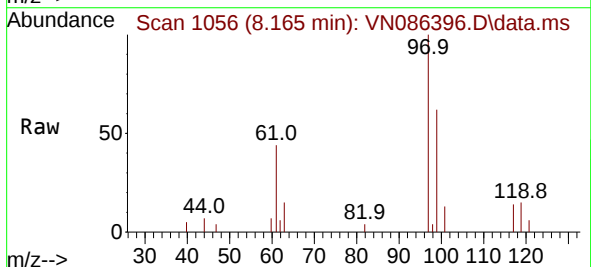
Tgt Ion: 77 Resp: 10589
Ion Ratio Lower Upper
77 100
97 20.6 18.2 27.2

Manual Integrations
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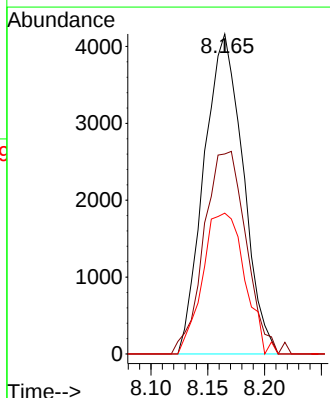
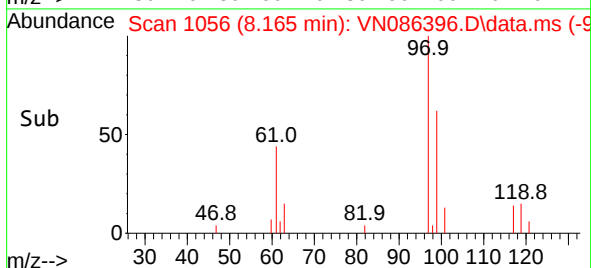
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

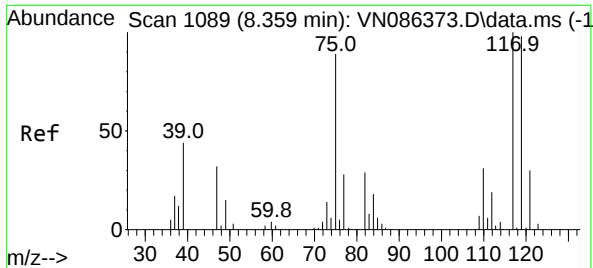


#32
1,1,1-Trichloroethane
Concen: 2.549 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



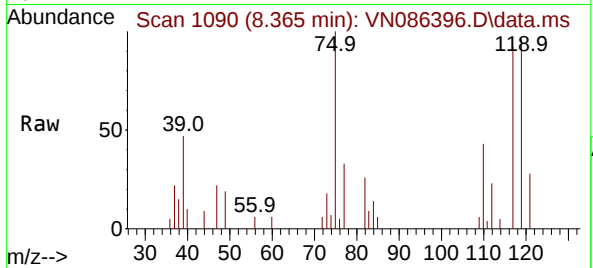
Tgt Ion: 97 Resp: 9954
Ion Ratio Lower Upper
97 100
99 68.0 52.6 79.0
61 46.8 36.4 54.6





#33
Carbon Tetrachloride
Concen: 2.521 ug/l
RT: 8.365 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

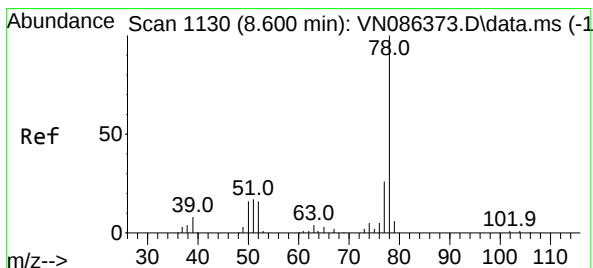
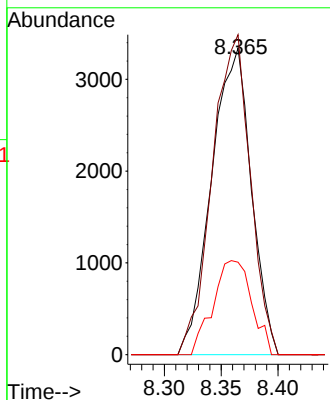
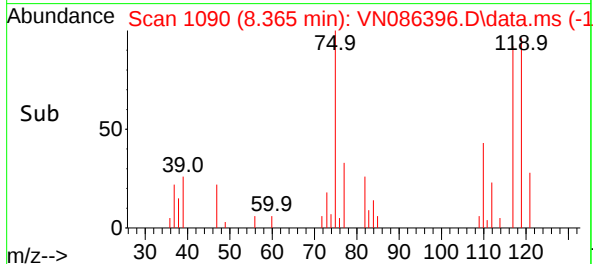
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2025



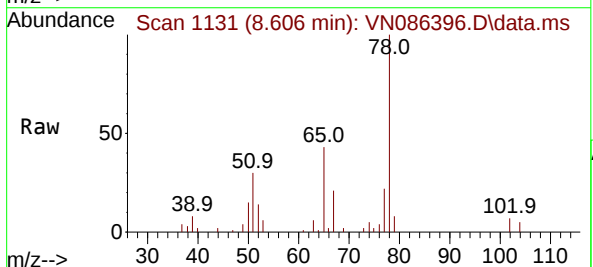
Tgt Ion: 117 Resp: 810
Ion Ratio Lower Upper
117 100
119 104.4 78.6 117.8
121 30.1 24.0 36.0

Manual Integrations
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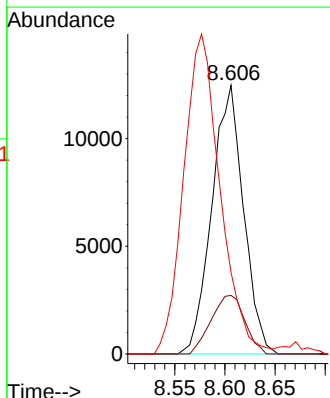
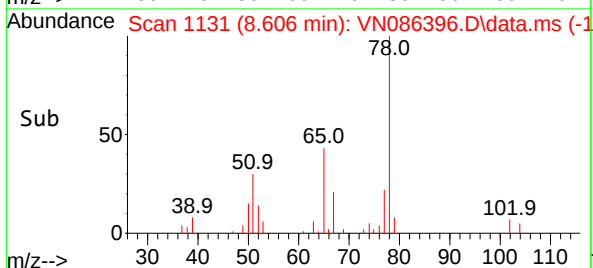
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

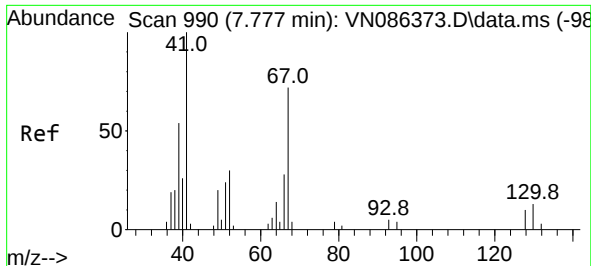


#34
Benzene
Concen: 2.636 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



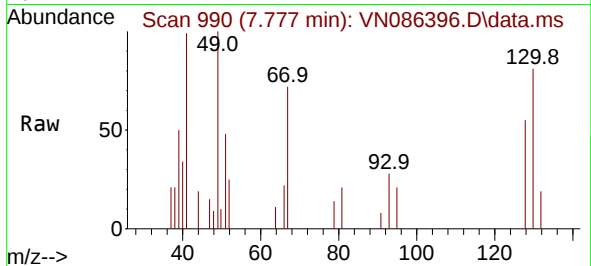
Tgt Ion: 78 Resp: 27399
Ion Ratio Lower Upper
78 100
77 21.8 20.8 31.2
51 27.9 14.0 21.0#





#35
Methacrylonitrile
Concen: 2.816 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

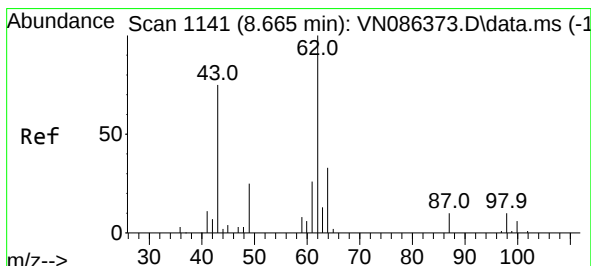
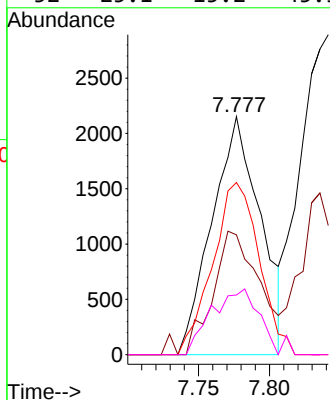
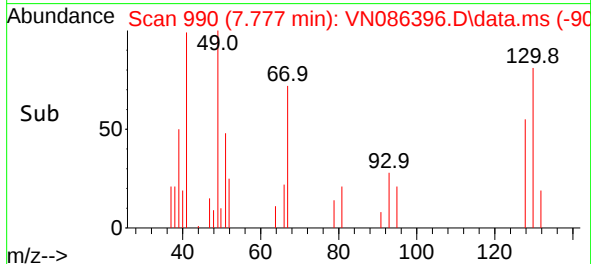
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:	41	Resp:	509
Ion Ratio	100	Lower	Upper
39	50.3	27.0	80.8
67	72.3	35.8	107.3
52	25.1	15.2	45.5

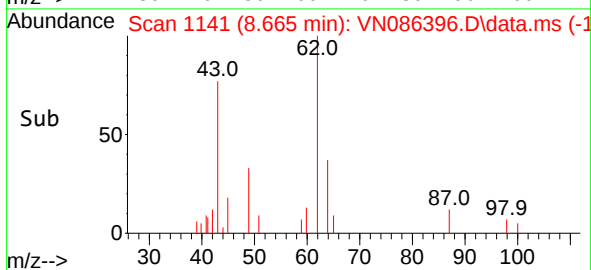
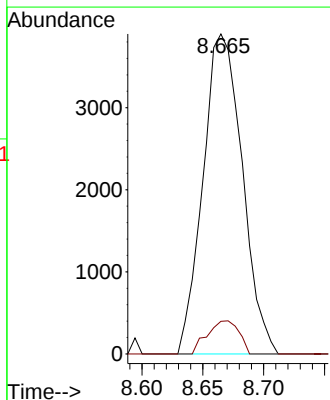
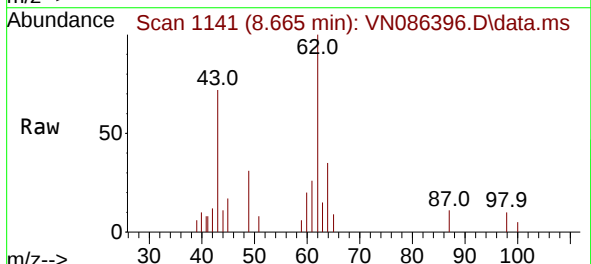
Manual Integrations
APPROVED

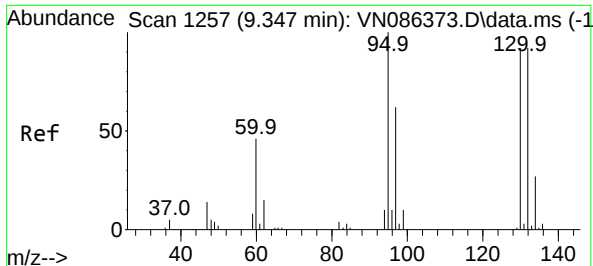
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#36
1,2-Dichloroethane
Concen: 2.595 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

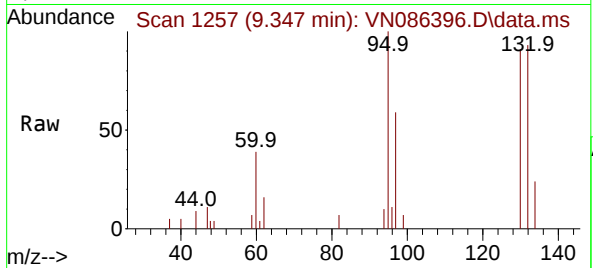
Tgt Ion:	62	Resp:	8759
Ion Ratio	100	Lower	Upper
98	8.3	7.6	11.4





#37
Trichloroethene
Concen: 2.528 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

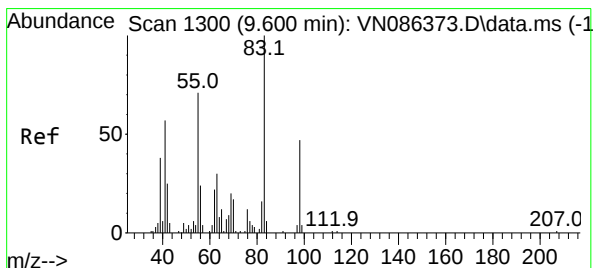
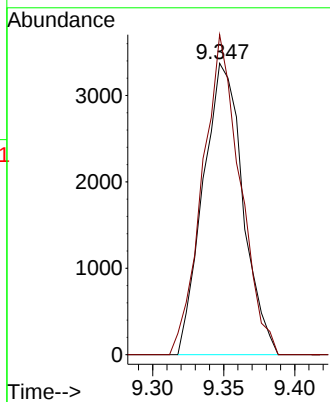
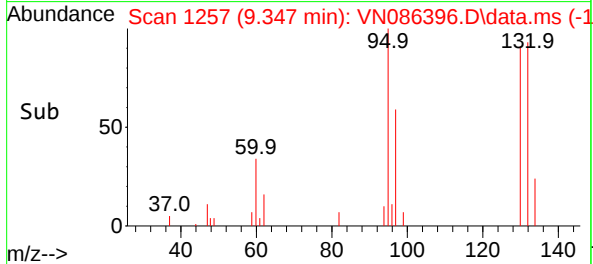
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



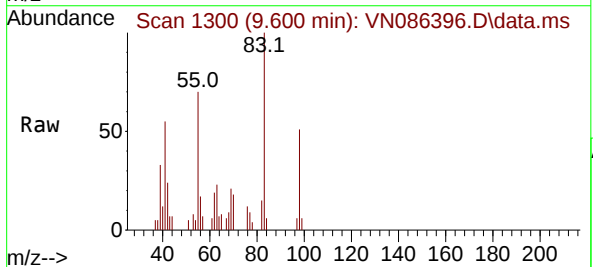
Tgt Ion:130 Resp: 6579
Ion Ratio Lower Upper
130 100
95 109.8 86.6 130.0

Manual Integrations
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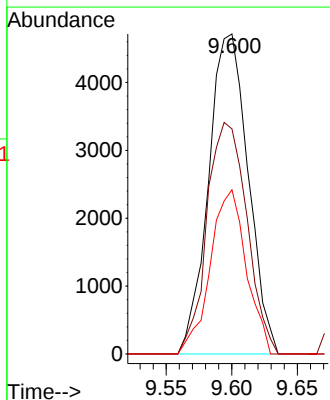
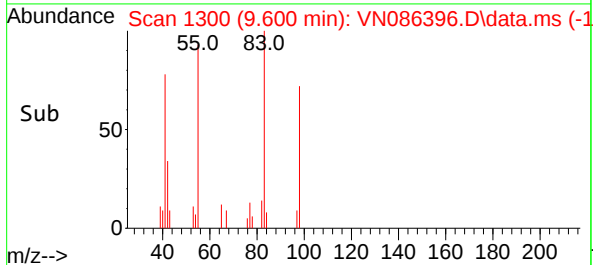
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

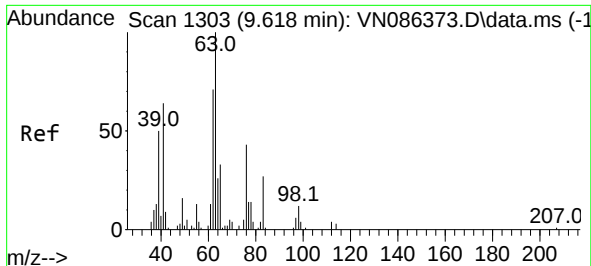


#38
Methylcyclohexane
Concen: 2.627 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



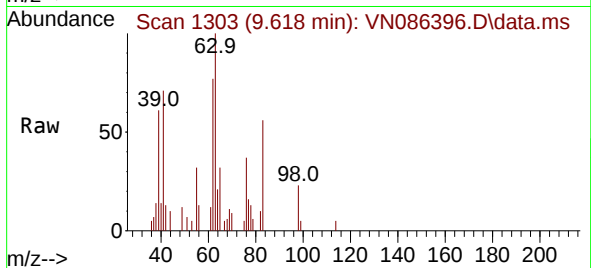
Tgt Ion: 83 Resp: 9917
Ion Ratio Lower Upper
83 100
55 73.0 37.3 111.9
98 46.7 23.8 71.5





#39
1,2-Dichloropropane
Concen: 2.473 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

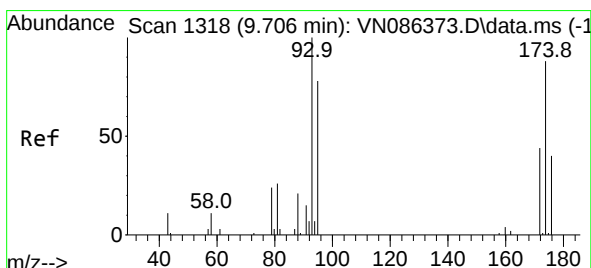
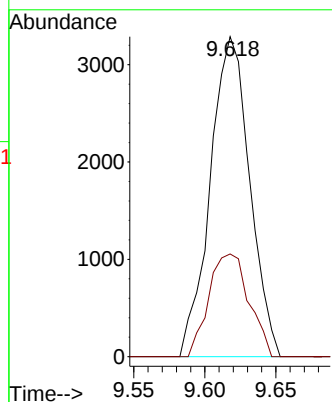
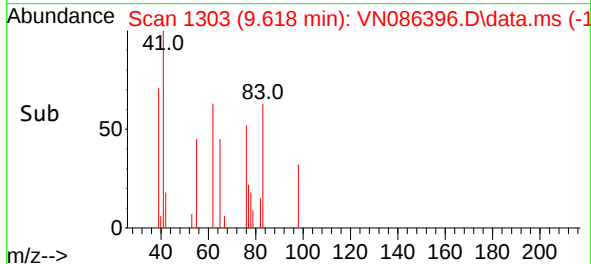
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 63 Resp: 6350
Ion Ratio Lower Upper
63 100
65 32.1 26.7 40.1

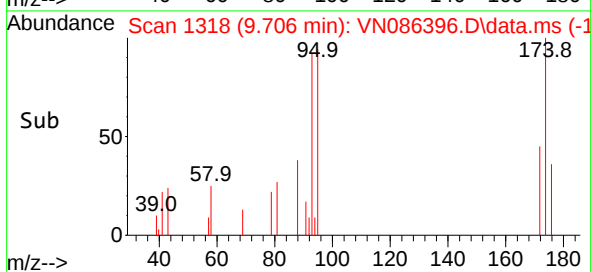
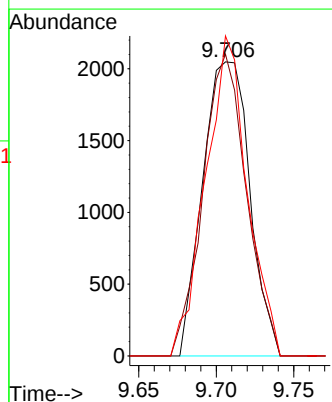
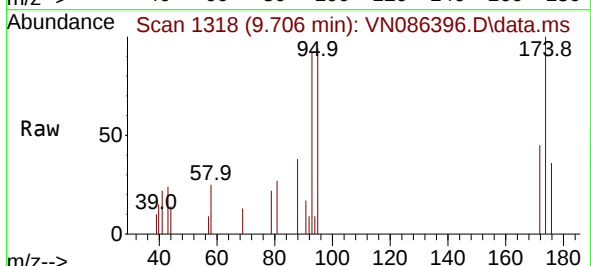
Manual Integrations
APPROVED

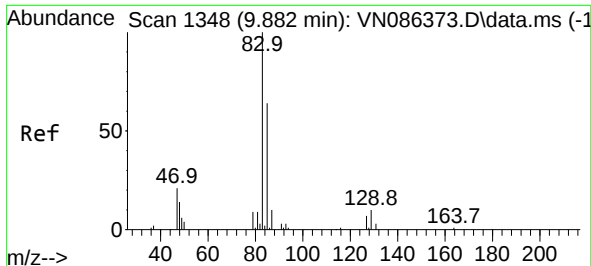
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#40
Dibromomethane
Concen: 2.522 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion: 93 Resp: 4331
Ion Ratio Lower Upper
93 100
95 94.9 0.0 159.2
174 96.5 0.0 171.4





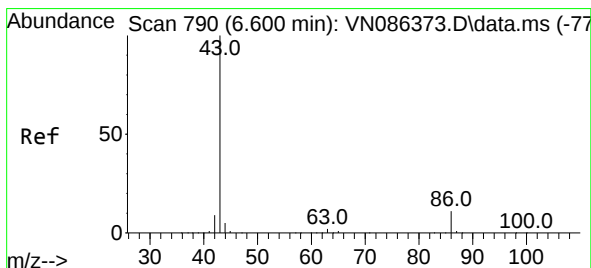
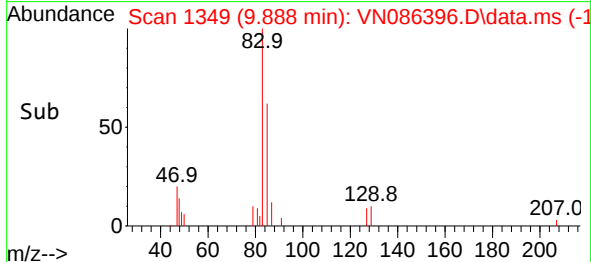
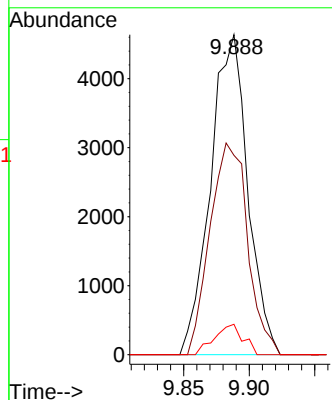
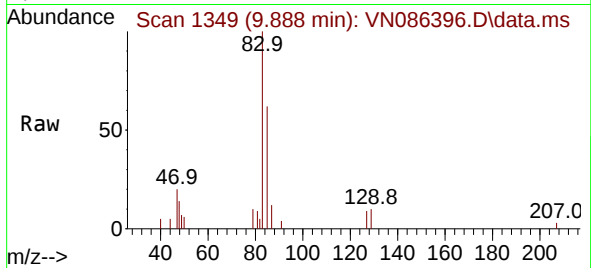
#41
Bromodichloromethane
Concen: 2.517 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 83 Resp: 914
Ion Ratio Lower Upper
83 100
85 62.3 51.1 76.7
127 9.5 5.9 8.9

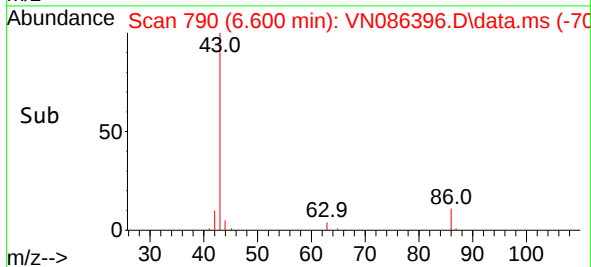
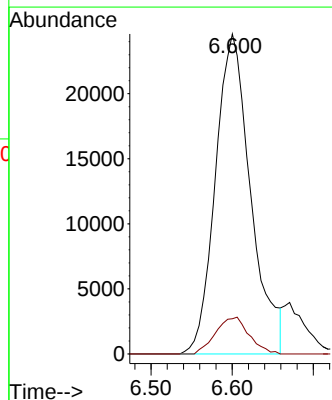
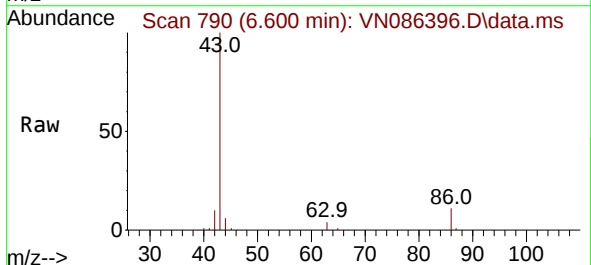
Manual Integrations
APPROVED

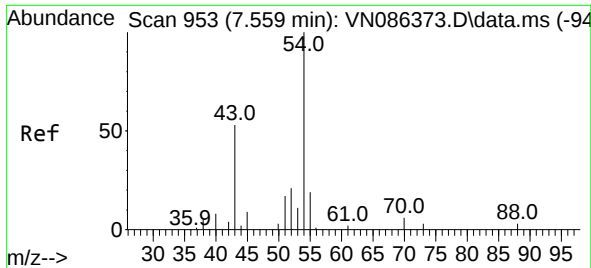
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 13.522 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

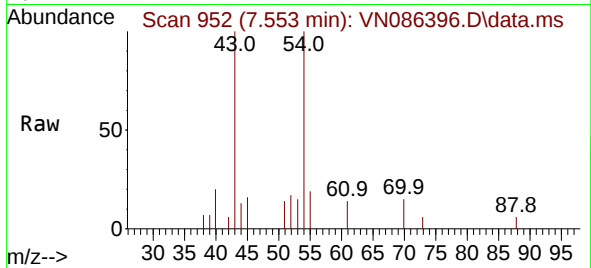
Tgt Ion: 43 Resp: 74306
Ion Ratio Lower Upper
43 100
86 10.9 8.9 13.3





#43
Ethyl Acetate
Concen: 2.684 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

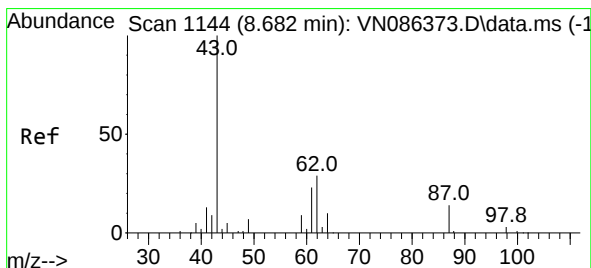
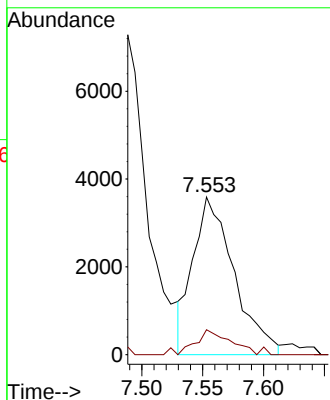
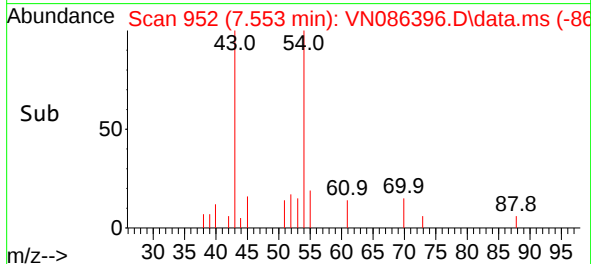
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
45 13.0 11.4 17.2

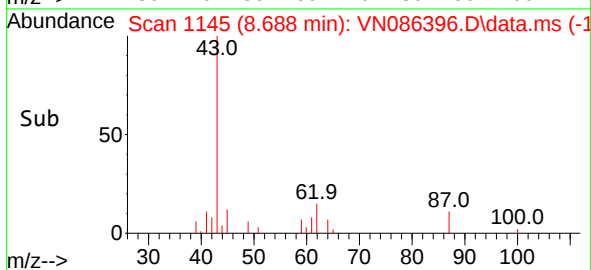
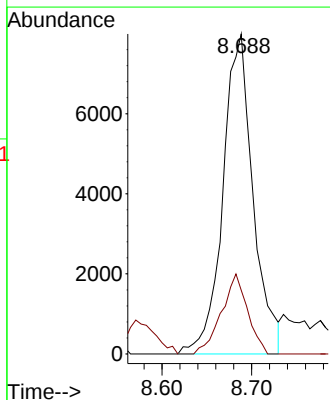
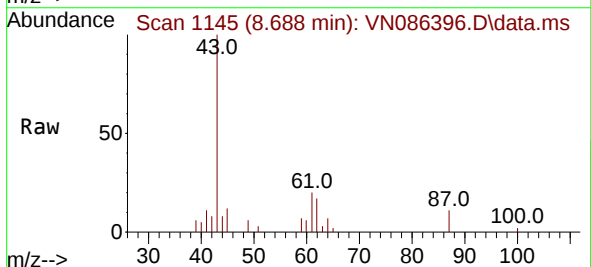
Manual Integrations
APPROVED

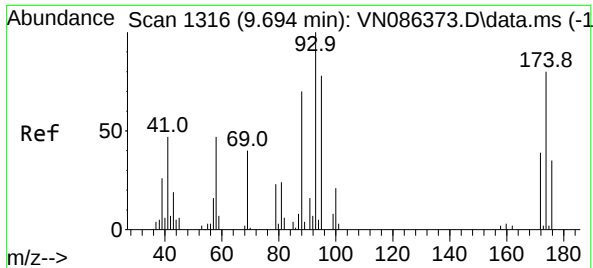
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#44
Isopropyl Acetate
Concen: 3.135 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion: 43 Resp: 18681
Ion Ratio Lower Upper
43 100
61 21.6 21.0 31.4





#45

1,4-Dioxane

Concen: 59.888 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2025

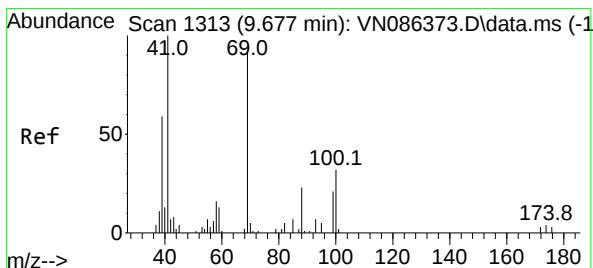
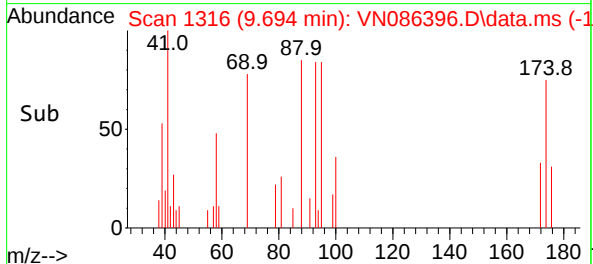
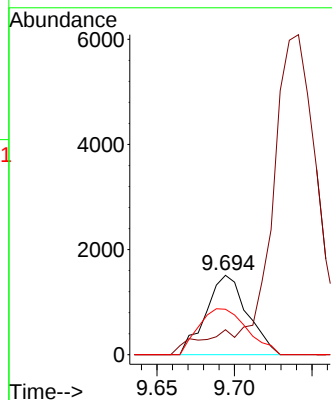
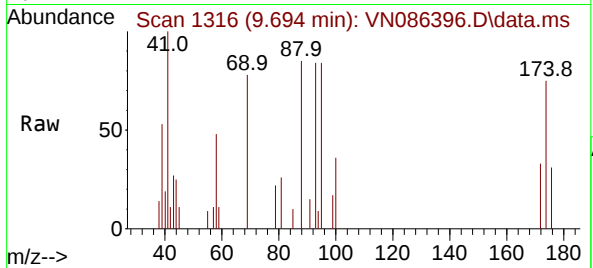
Tgt Ion: 88	Resp: 2784
Ion Ratio	Lower Upper
88	100
43	12.4 24.9 37.3
58	68.3 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#46

Methyl methacrylate

Concen: 2.650 ug/l

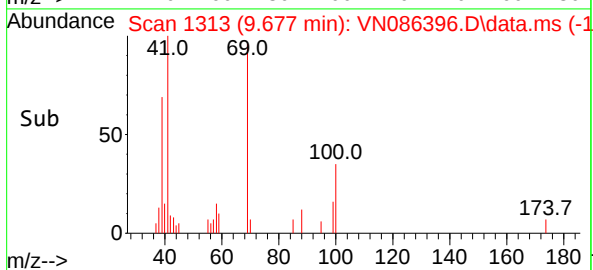
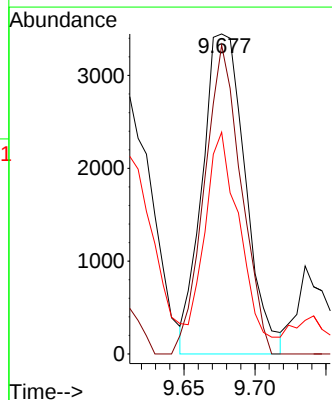
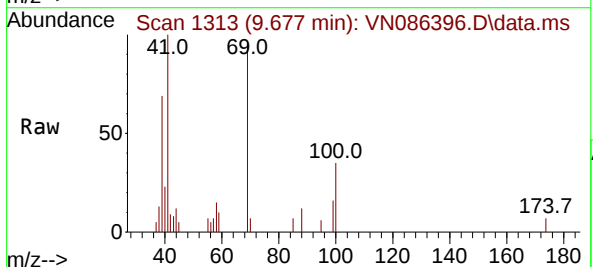
RT: 9.677 min Scan# 1313

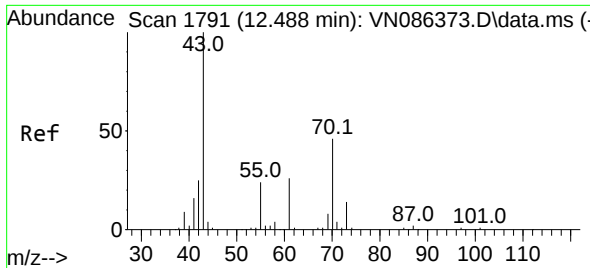
Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Tgt Ion: 41	Resp: 7283
Ion Ratio	Lower Upper
41	100
69	103.4 44.1 132.3
39	68.6 30.0 90.1





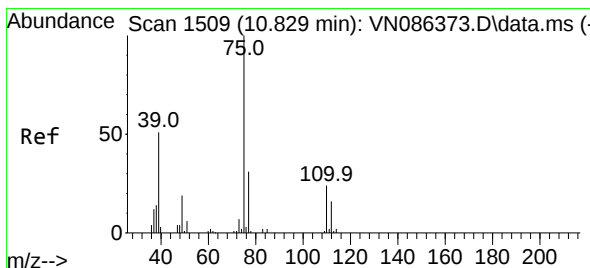
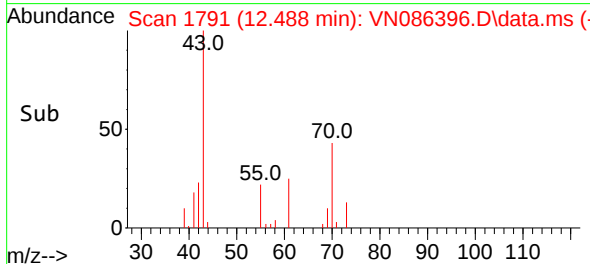
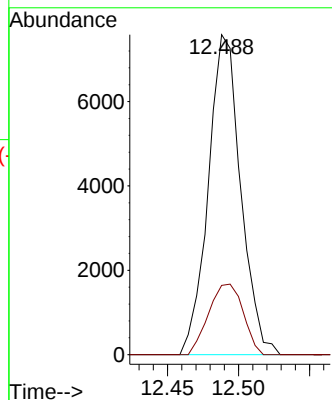
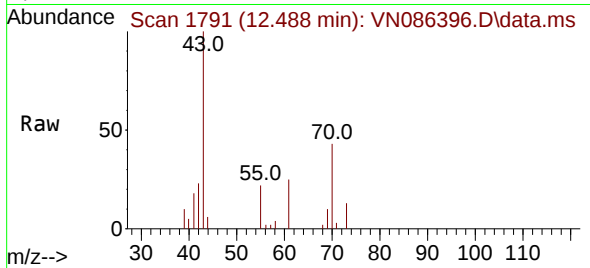
#47
n-amyl acetate
Concen: 2.371 ug/l
RT: 12.488 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 43 Resp: 12040
Ion Ratio Lower Upper
43 100
55 23.5 19.4 29.0

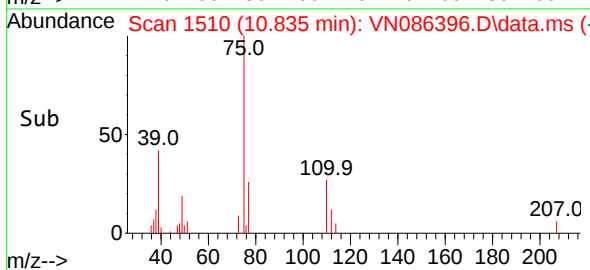
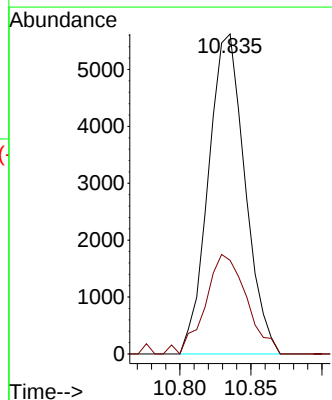
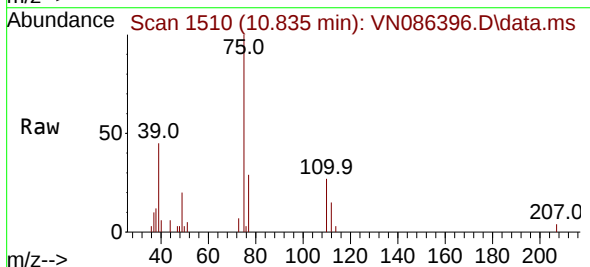
Manual Integrations
APPROVED

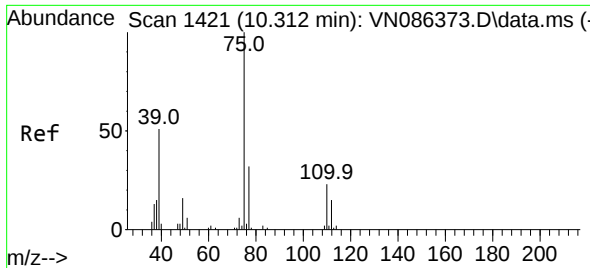
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#48
t-1,3-Dichloropropene
Concen: 2.482 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

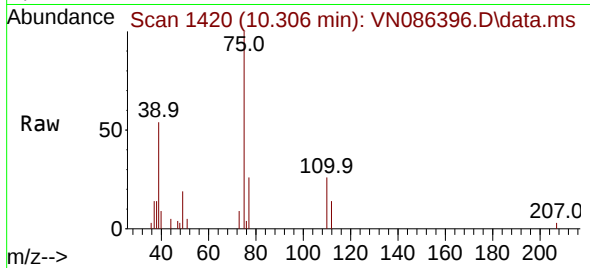
Tgt Ion: 75 Resp: 10083
Ion Ratio Lower Upper
75 100
77 29.2 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 2.475 ug/l
 RT: 10.306 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

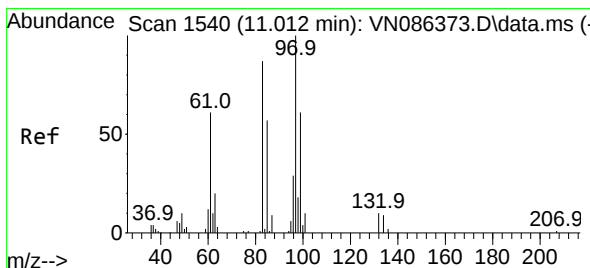
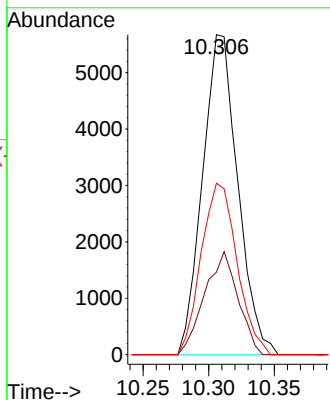
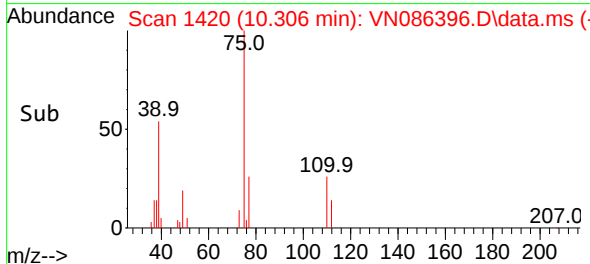
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 75 Resp: 1060
 Ion Ratio Lower Upper
 75 100
 77 25.8 25.6 38.4
 39 53.6 40.6 60.8

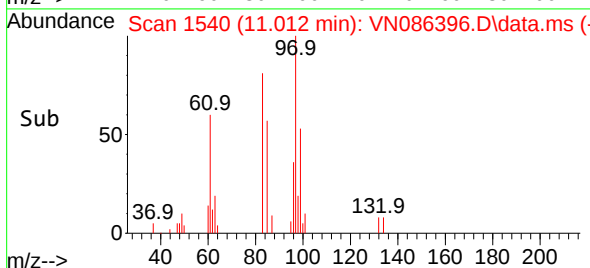
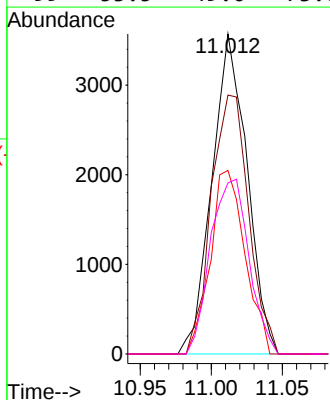
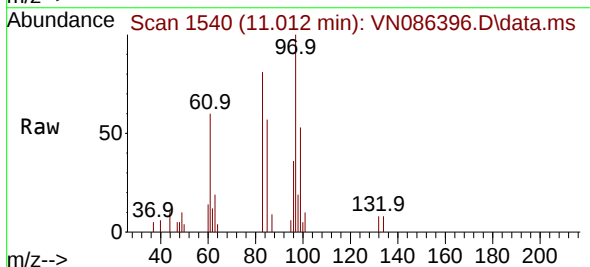
Manual Integrations
 APPROVED

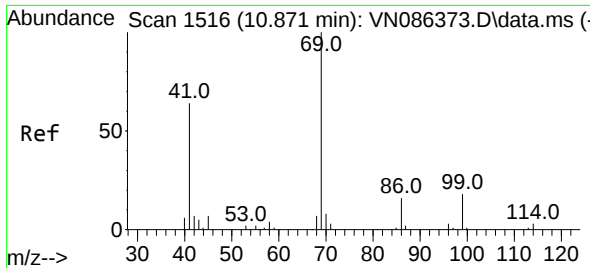
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 2.561 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

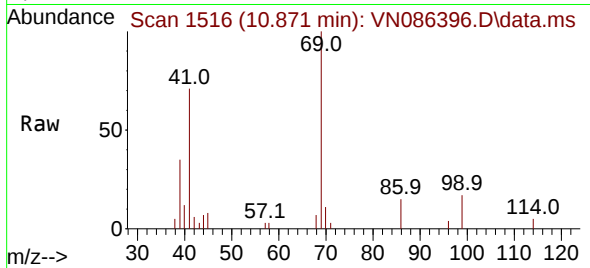
Tgt Ion: 97 Resp: 6144
 Ion Ratio Lower Upper
 97 100
 83 80.9 69.3 103.9
 85 57.4 45.5 68.3
 99 53.5 49.0 73.6





#51
Ethyl methacrylate
Concen: 2.360 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

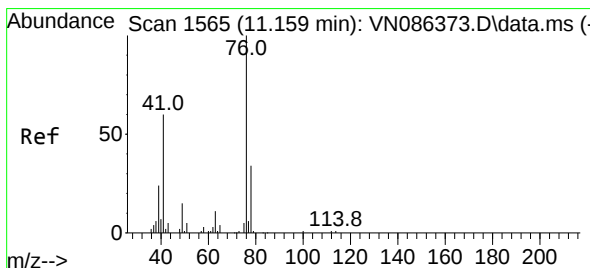
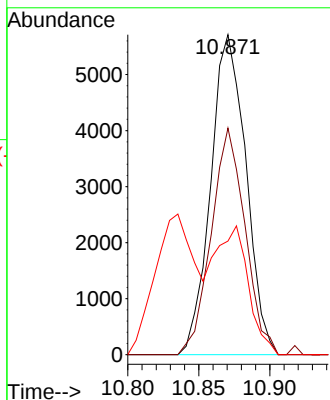
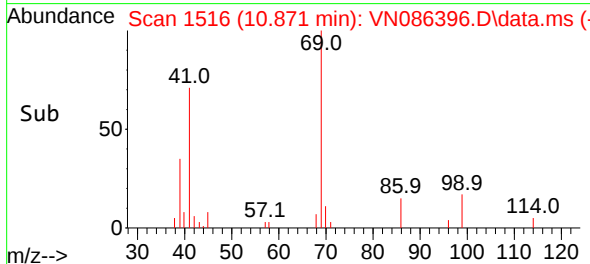
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 69 Resp: 985
Ion Ratio Lower Upper
69 100
41 70.8 32.3 96.8
39 35.5 19.1 57.1

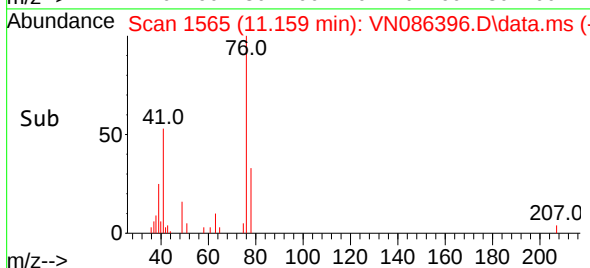
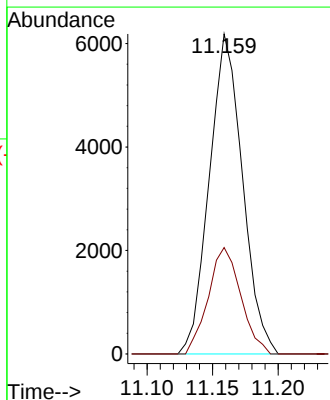
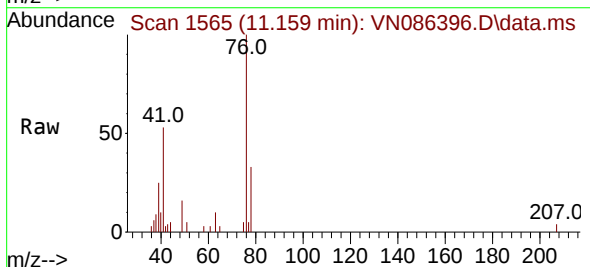
Manual Integrations
APPROVED

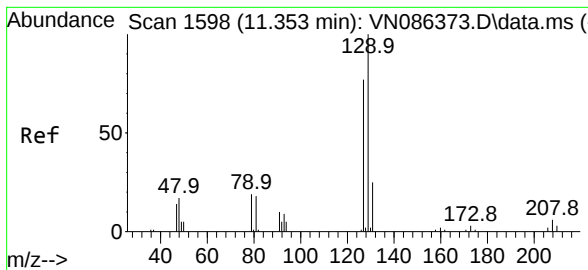
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 2.564 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion: 76 Resp: 10870
Ion Ratio Lower Upper
76 100
78 32.6 0.0 65.6





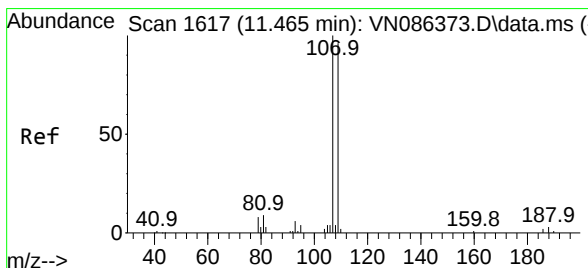
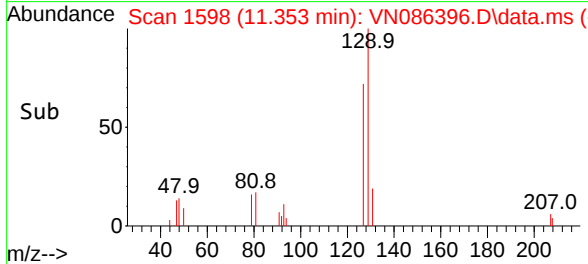
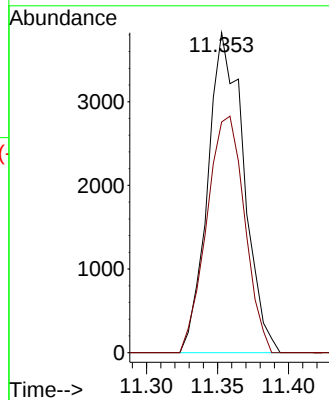
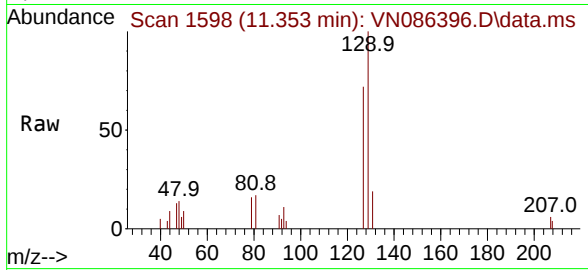
#53
Dibromochloromethane
Concen: 2.505 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2025

Tgt Ion:129 Resp: 6748
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3

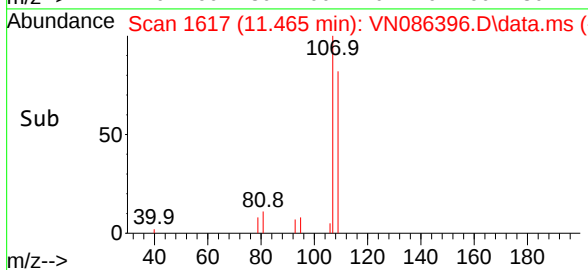
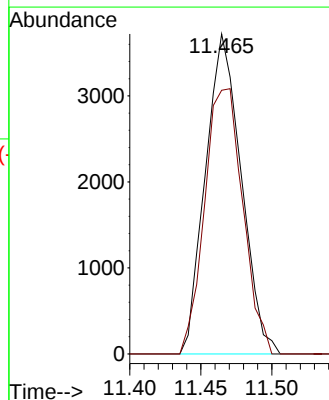
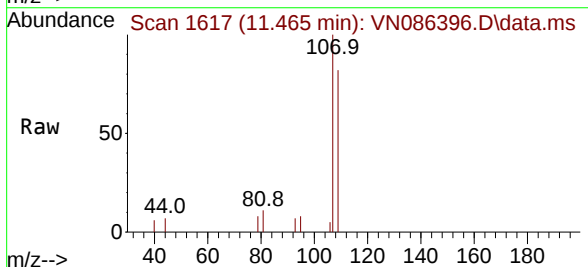
Manual Integrations
APPROVED

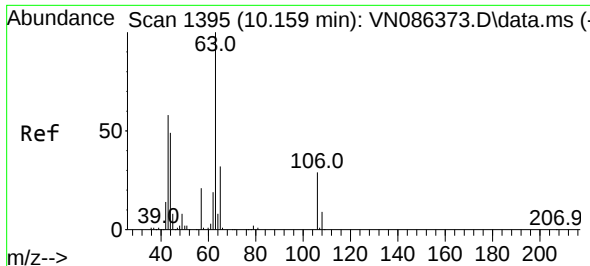
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#54
1,2-Dibromoethane
Concen: 2.666 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

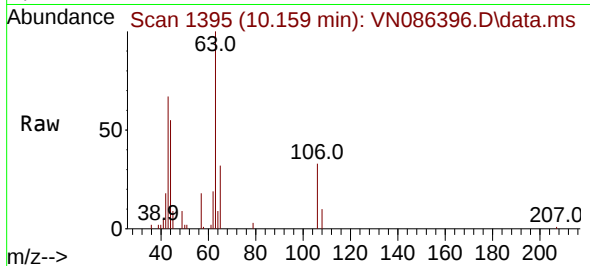
Tgt Ion:107 Resp: 6502
Ion Ratio Lower Upper
107 100
109 88.7 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 10.514 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

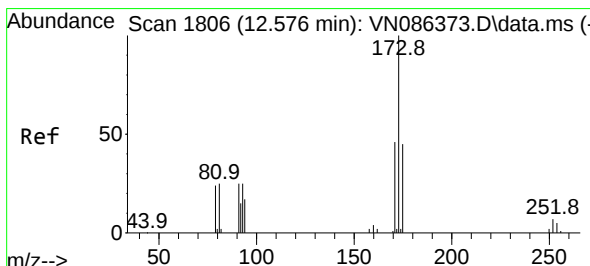
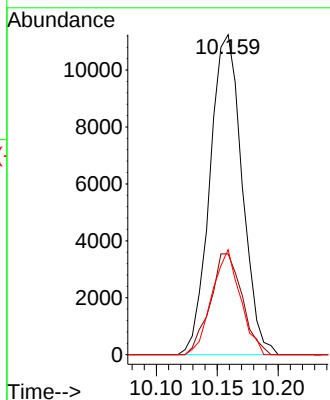
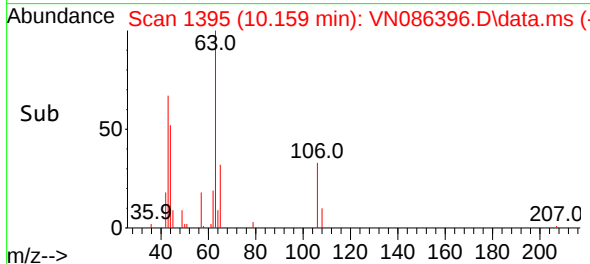
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 63 Resp: 2065
Ion Ratio Lower Upper
63 100
65 31.4 25.7 38.5
106 29.0 22.3 33.5

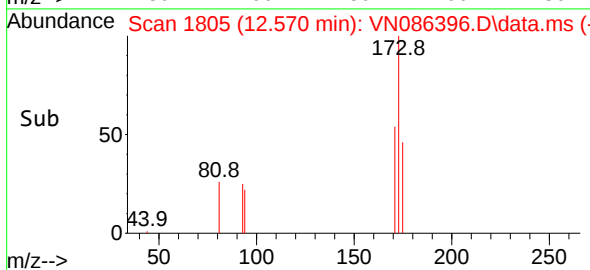
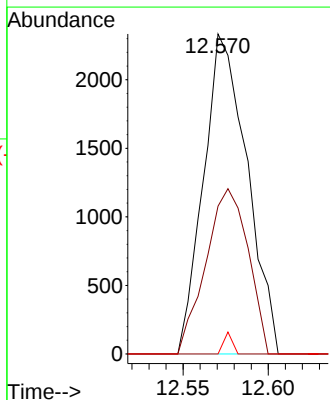
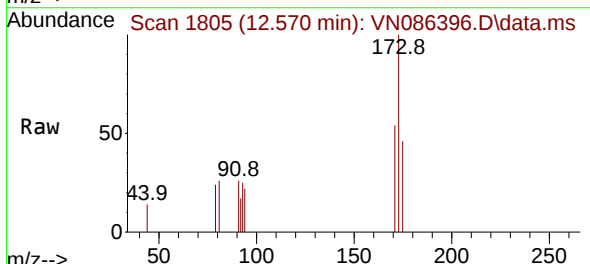
Manual Integrations
APPROVED

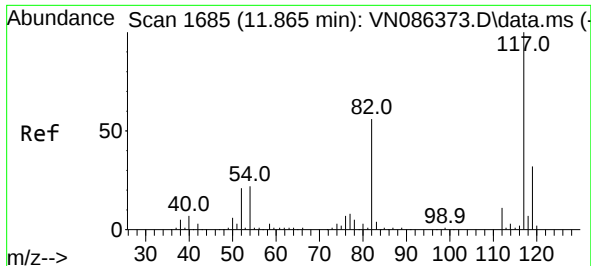
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 2.367 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion:173 Resp: 4137
Ion Ratio Lower Upper
173 100
175 50.4 39.0 58.6
254 0.0 3.8 5.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2025

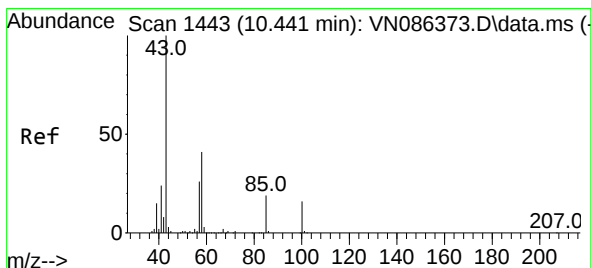
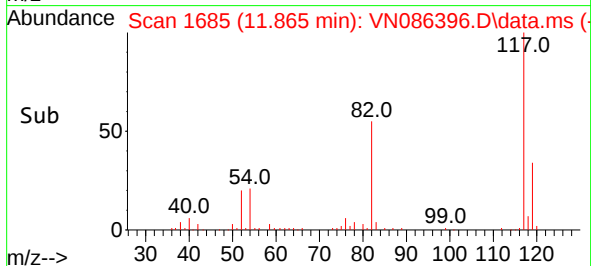
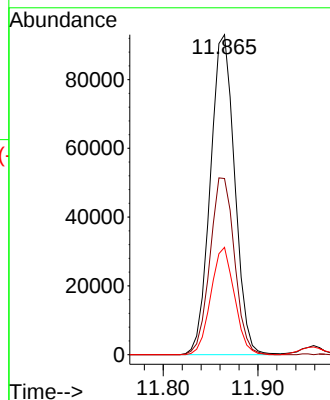
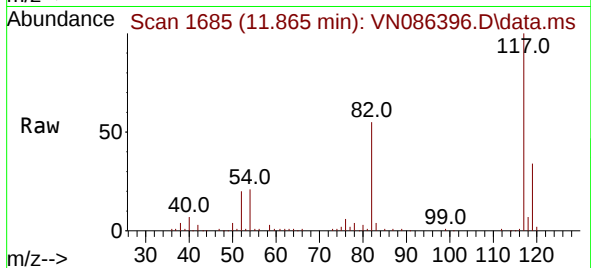
Tgt Ion:	117	Resp:	16621
Ion Ratio	Lower	Upper	
117	100		
82	55.9	45.5	68.3
119	32.5	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#58

4-Methyl-2-Pentanone

Concen: 13.123 ug/l

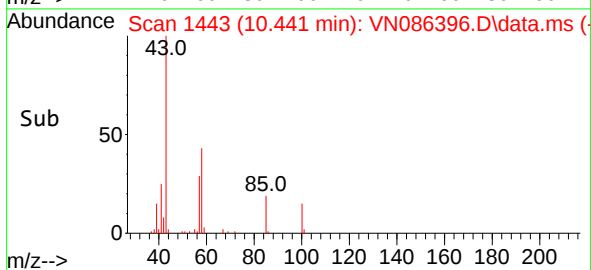
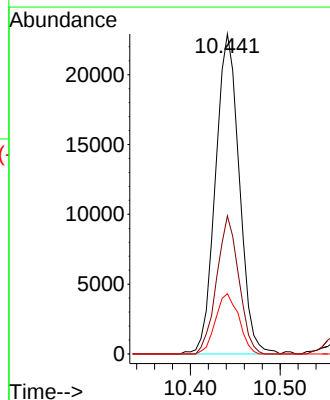
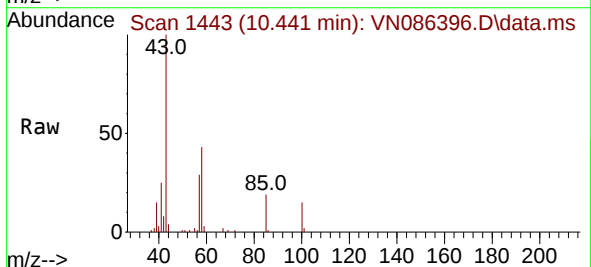
RT: 10.441 min Scan# 1443

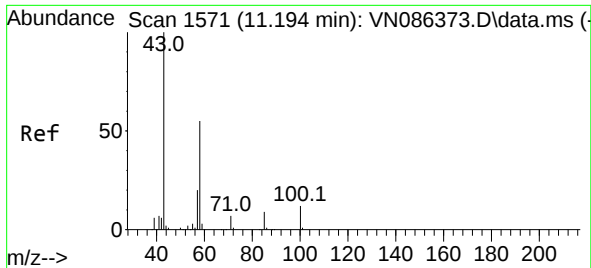
Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

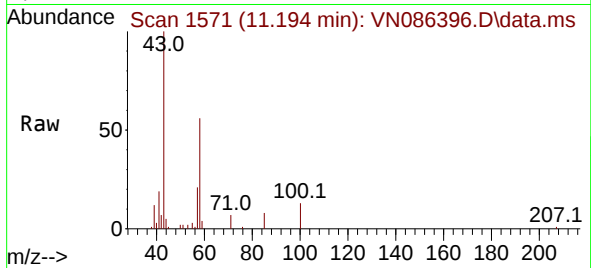
Tgt Ion:	43	Resp:	42211
Ion Ratio	Lower	Upper	
43	100		
58	40.0	33.0	49.6
85	18.4	14.9	22.3





#59
2-Hexanone
Concen: 12.779 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

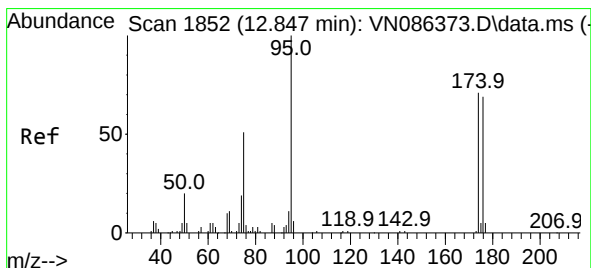
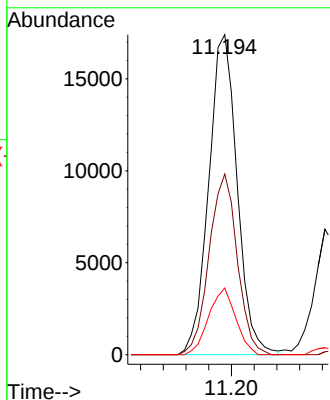
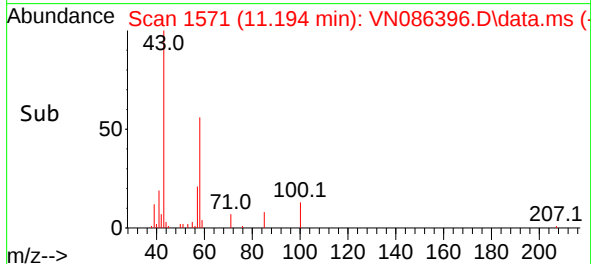
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



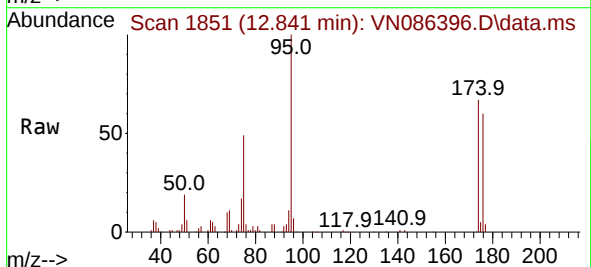
Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
58 55.7 45.0 67.6
57 19.7 15.5 23.3

Manual Integrations
APPROVED

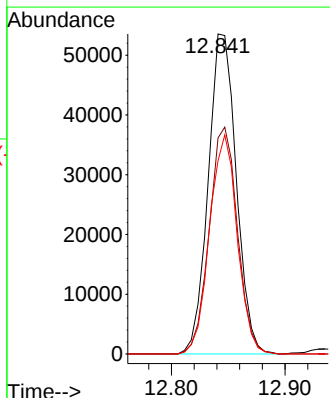
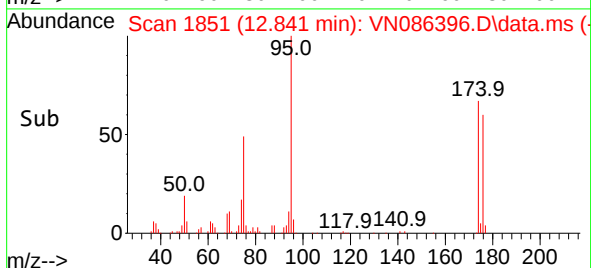
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

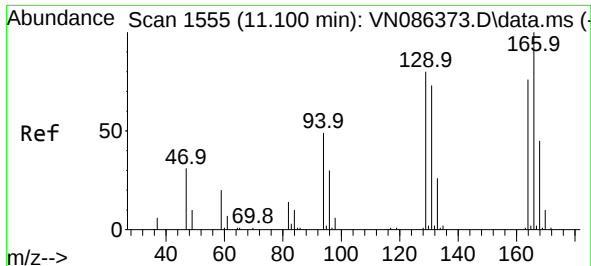


#60
4-Bromofluorobenzene
Concen: 28.197 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



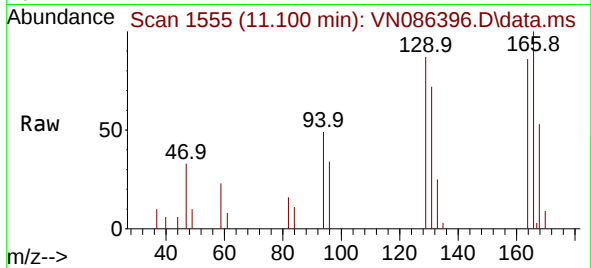
Tgt Ion: 95 Resp: 92114
Ion Ratio Lower Upper
95 100
174 71.2 56.6 84.8
176 67.4 53.3 79.9





#61
Tetrachloroethene
Concen: 2.693 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

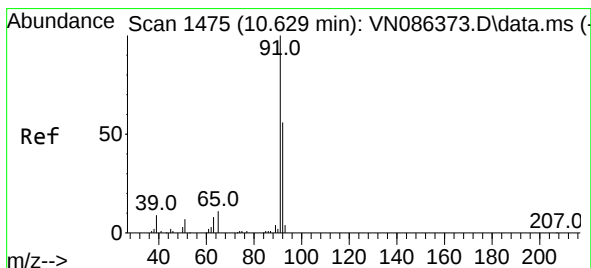
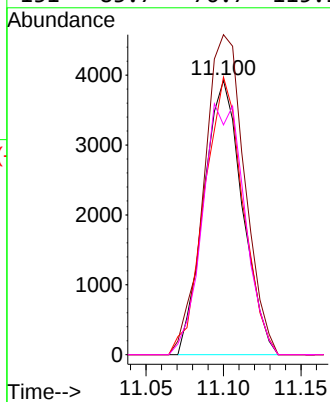
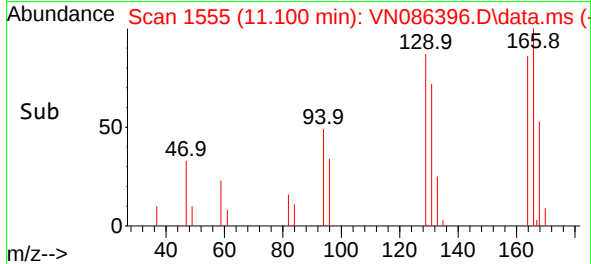
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:164 Resp: 6820
Ion Ratio Lower Upper
164 100
166 116.7 105.0 157.4
129 101.2 83.9 125.9
131 83.7 76.7 115.1

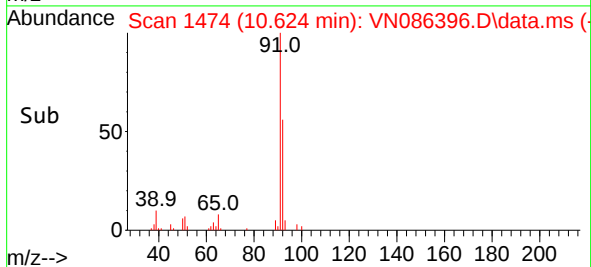
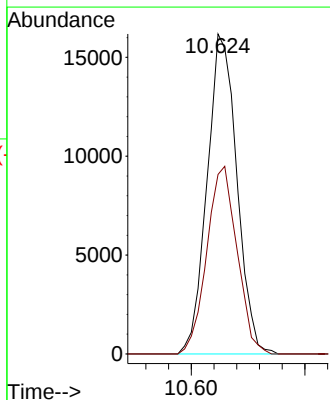
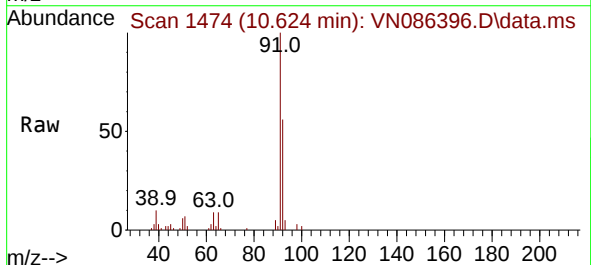
Manual Integrations
APPROVED

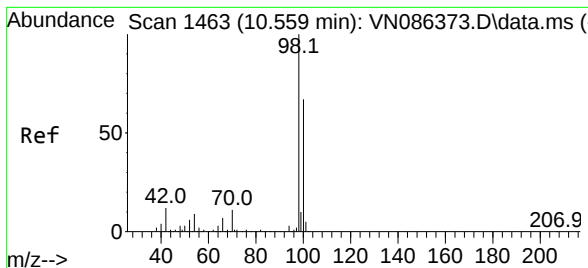
Reviewed By :John Carbone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#62
Toluene
Concen: 2.645 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

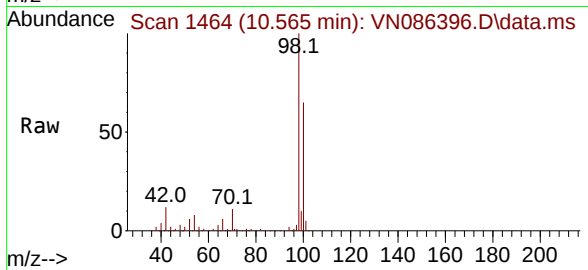
Tgt Ion: 91 Resp: 29423
Ion Ratio Lower Upper
91 100
92 59.6 45.7 68.5





#63
Toluene-d8
Concen: 30.319 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

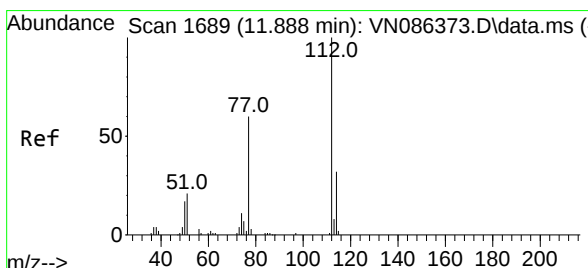
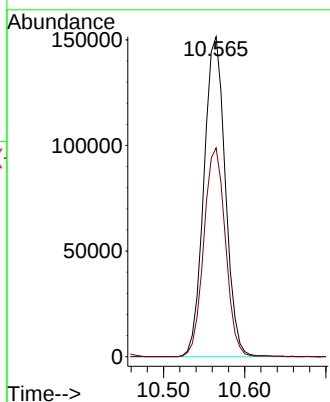
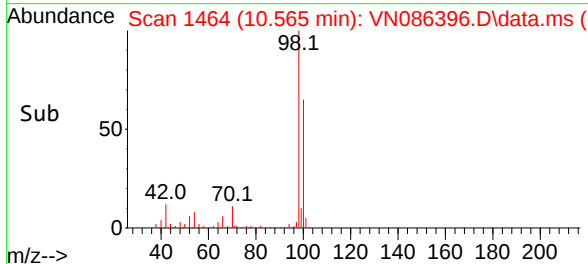
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion: 98 Resp: 277248
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

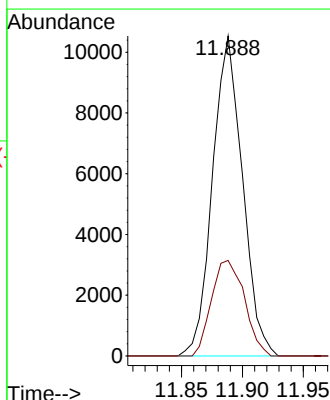
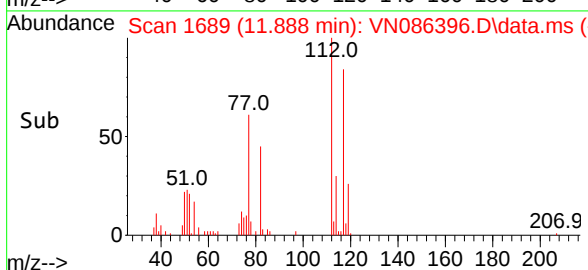
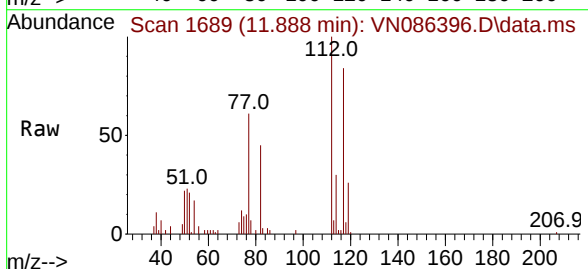
Manual Integrations
APPROVED

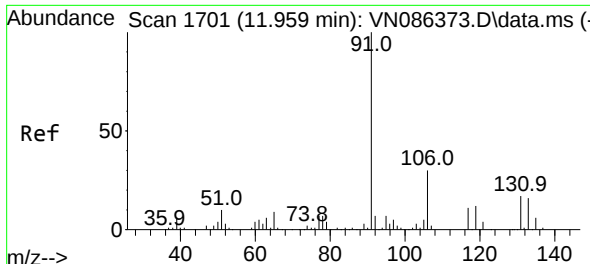
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 2.596 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion:112 Resp: 17997
Ion Ratio Lower Upper
112 100
114 29.9 25.6 38.4





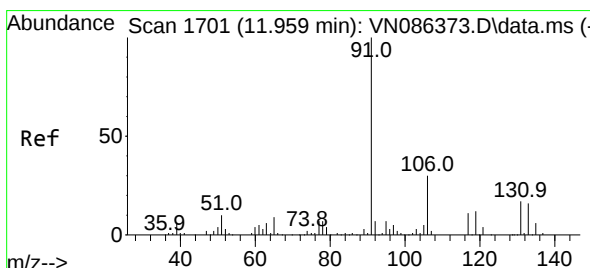
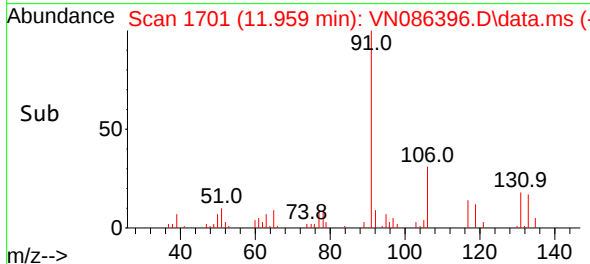
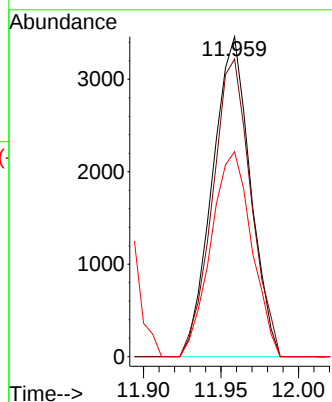
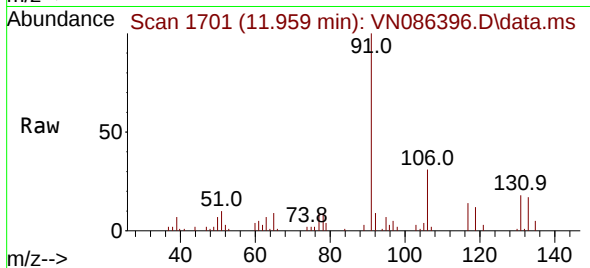
#65
1,1,1,2-Tetrachloroethane
Concen: 2.541 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2025

Tgt Ion:131 Resp: 589
Ion Ratio Lower Upper
131 100
133 94.2 0.0 191.4
119 68.7 0.0 133.6

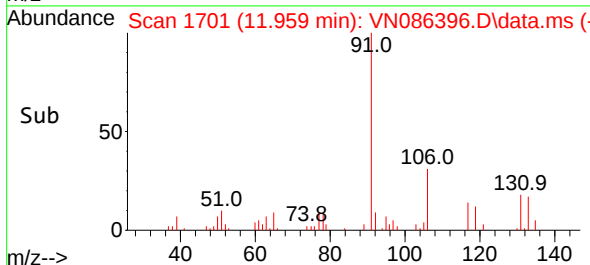
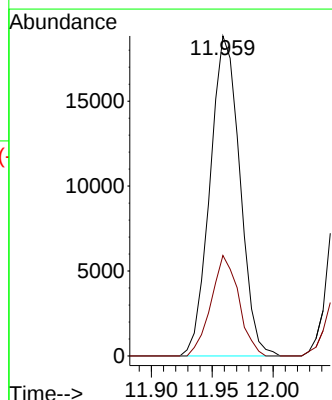
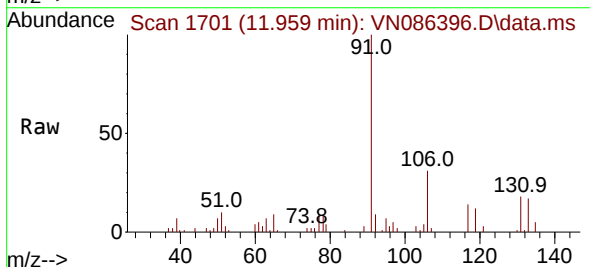
Manual Integrations
APPROVED

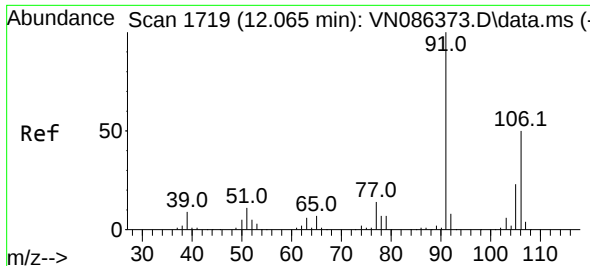
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 2.562 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion: 91 Resp: 32081
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5





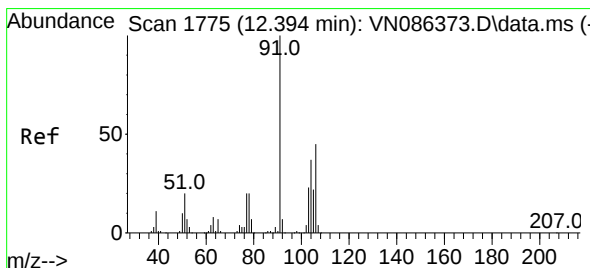
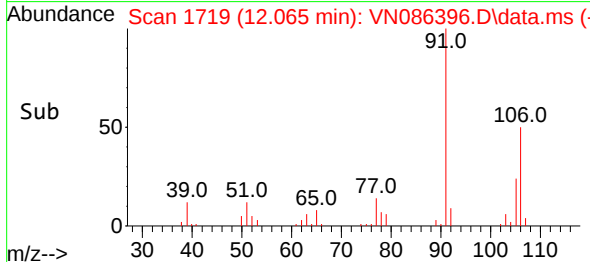
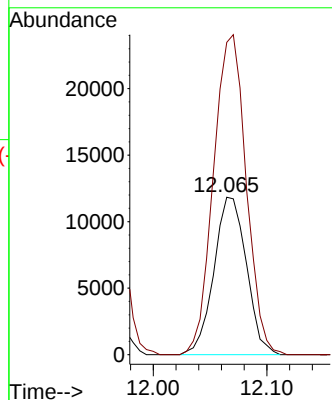
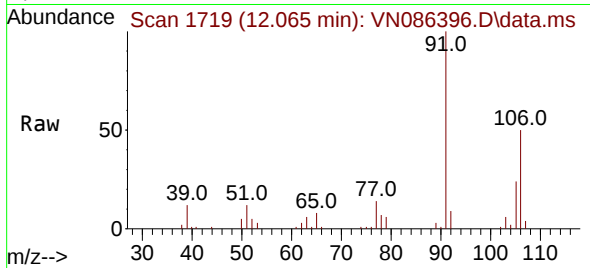
#67
m/p-Xylenes
Concen: 4.955 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:106 Resp: 23544
Ion Ratio Lower Upper
106 100
91 204.4 162.6 243.8

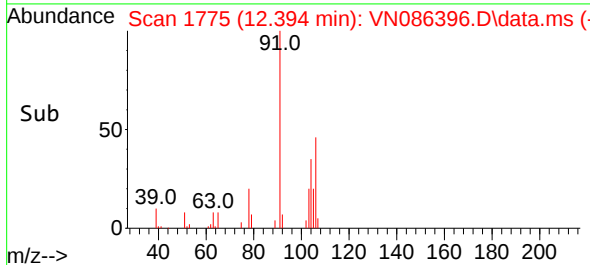
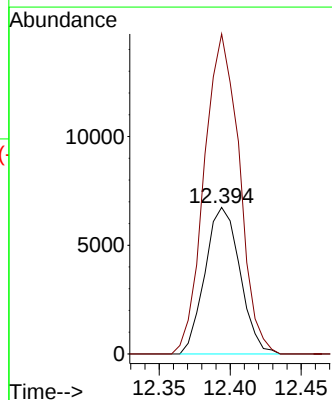
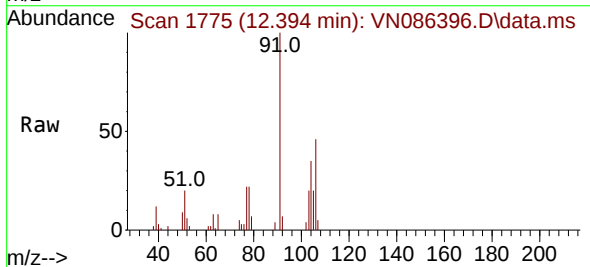
Manual Integrations
APPROVED

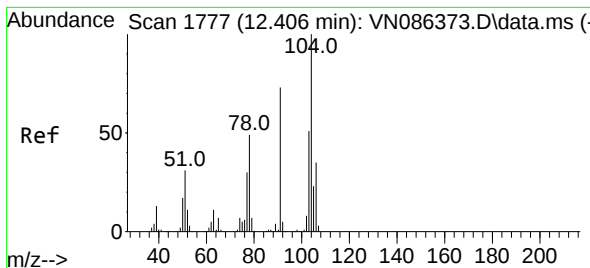
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 2.481 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion:106 Resp: 11542
Ion Ratio Lower Upper
106 100
91 219.3 110.6 331.6





#69

Styrene

Concen: 2.334 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2025

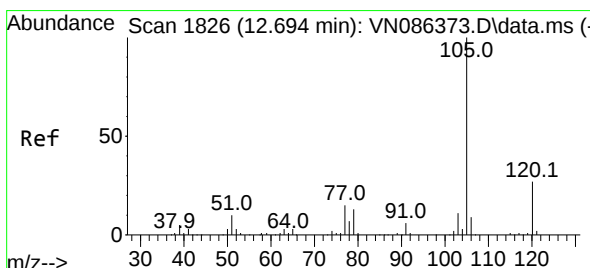
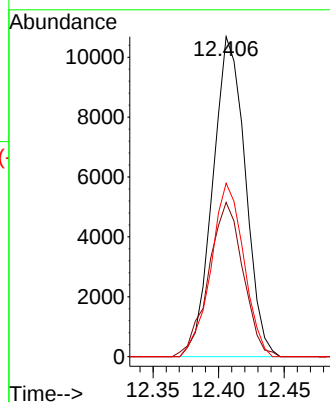
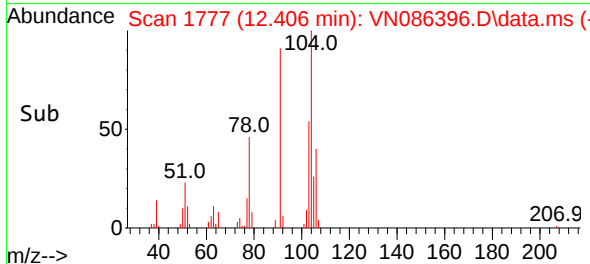
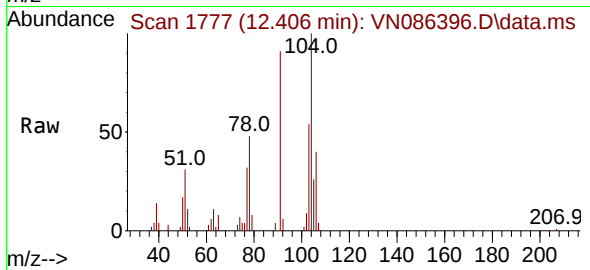
Tgt Ion:104	Resp:	18408
Ion Ratio	Lower	Upper
104	100	
78	51.2	40.2 60.4
103	54.6	43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#70

Isopropylbenzene

Concen: 2.458 ug/l

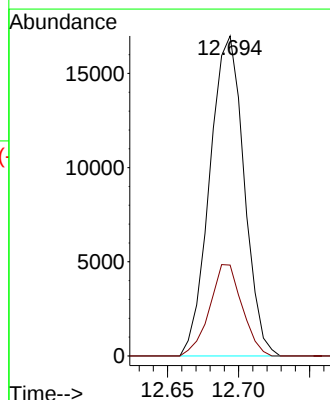
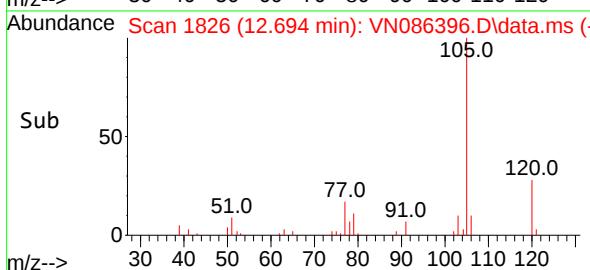
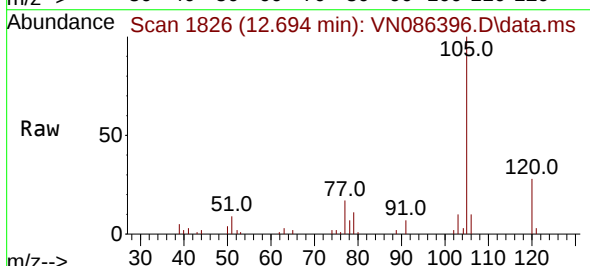
RT: 12.694 min Scan# 1826

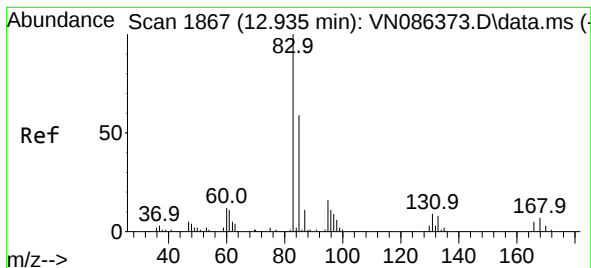
Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

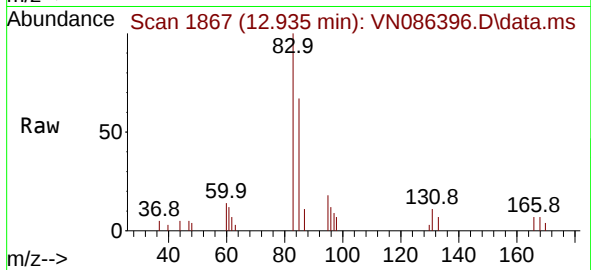
Tgt Ion:105	Resp:	28550
Ion Ratio	Lower	Upper
105	100	
120	27.0	18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 2.661 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

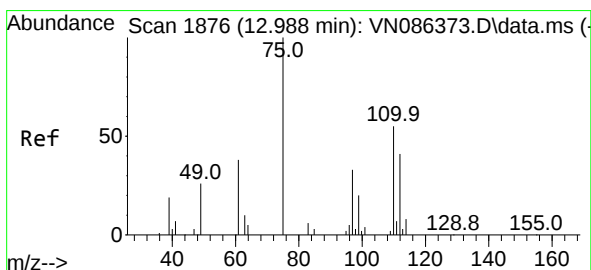
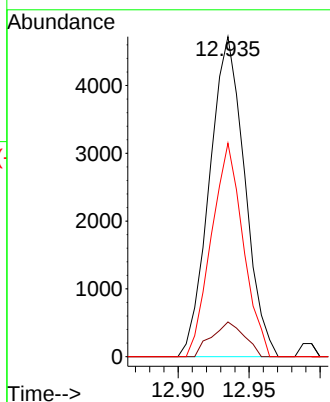
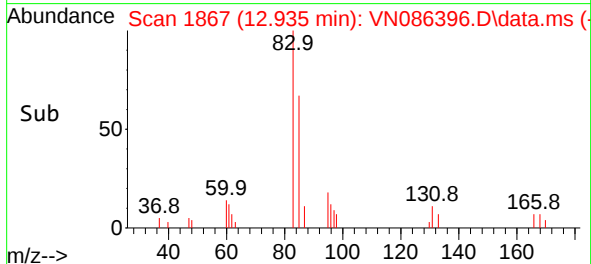
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2025



Tgt Ion: 83 Resp: 8130
Ion Ratio Lower Upper
83 100
131 10.0 4.5 13.7
85 60.2 31.7 95.1

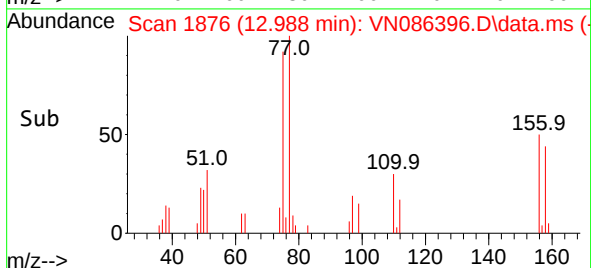
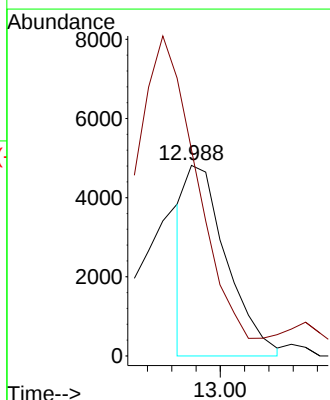
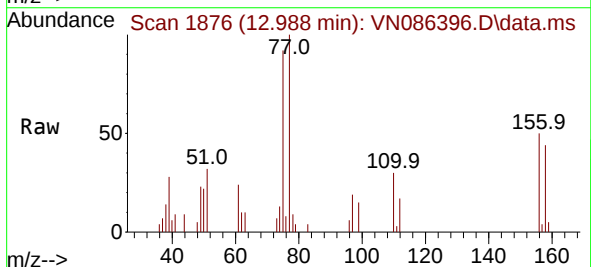
Manual Integrations
APPROVED

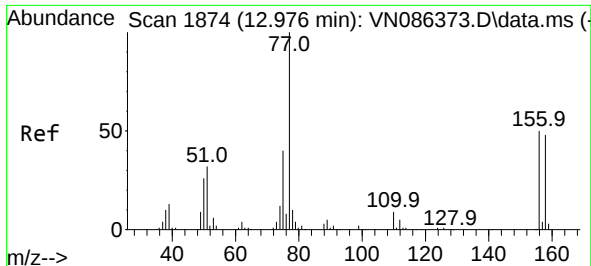
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 2.109 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

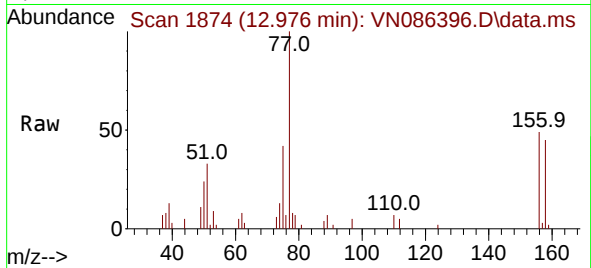
Tgt Ion: 75 Resp: 5622
Ion Ratio Lower Upper
75 100
77 268.6 0.0 464.4





#73
Bromobenzene
Concen: 2.527 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

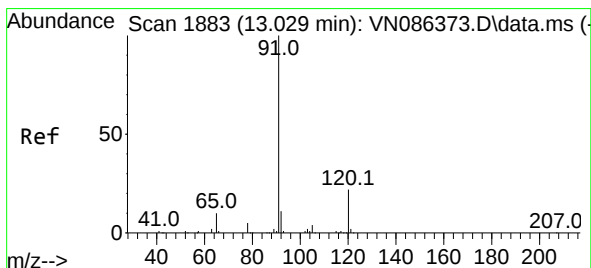
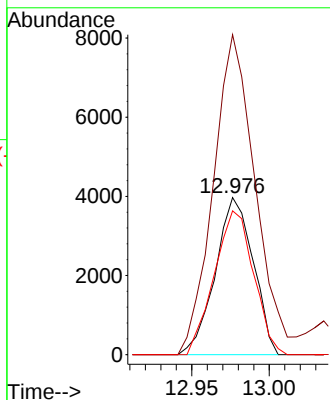
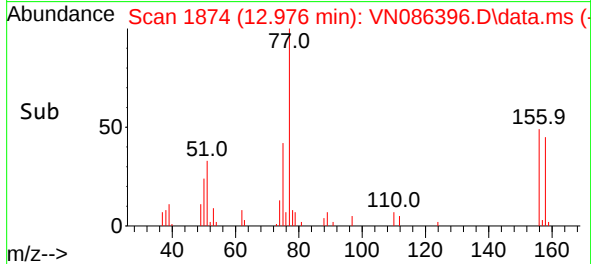
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



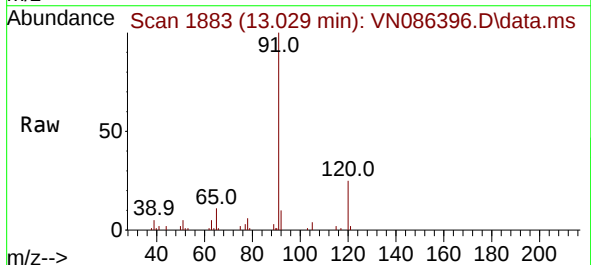
Tgt Ion:156 Resp: 6748
Ion Ratio Lower Upper
156 100
77 223.8 0.0 463.4
158 94.9 0.0 191.8

Manual Integrations
APPROVED

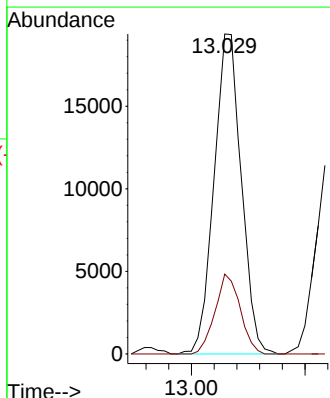
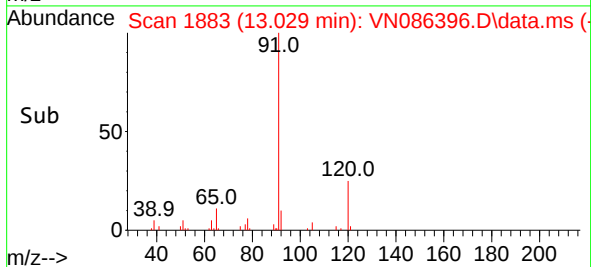
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

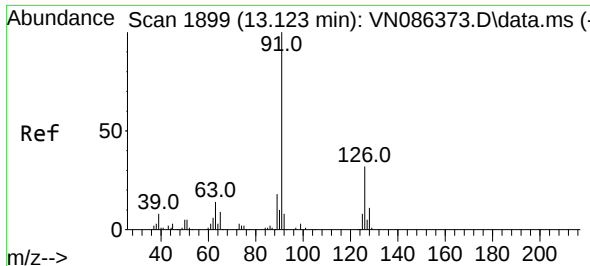


#74
n-propylbenzene
Concen: 2.339 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



Tgt Ion: 91 Resp: 32278
Ion Ratio Lower Upper
91 100
120 23.0 0.0 43.8





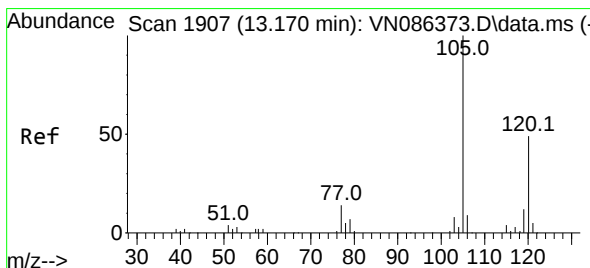
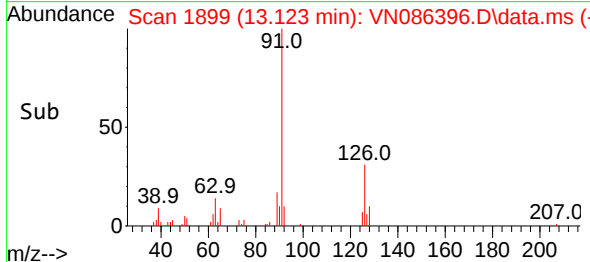
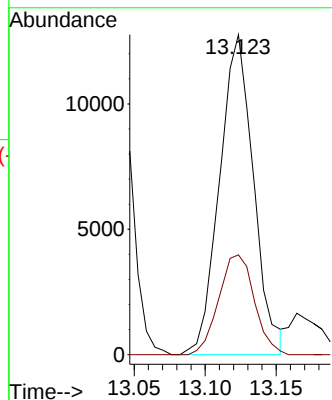
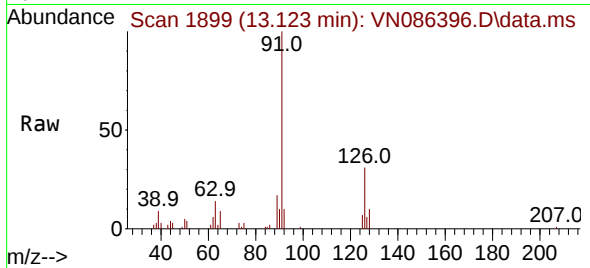
#75
2-Chlorotoluene
Concen: 2.461 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 91 Resp: 21204
Ion Ratio Lower Upper
91 100
126 32.7 0.0 65.0

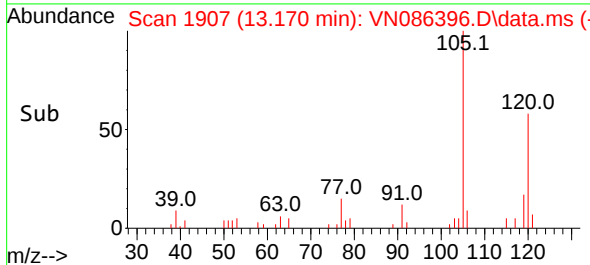
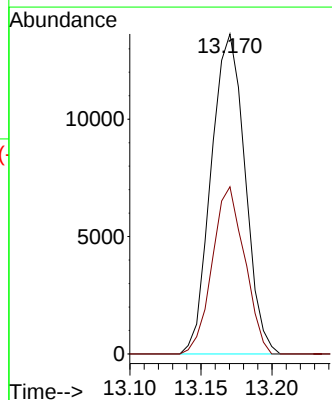
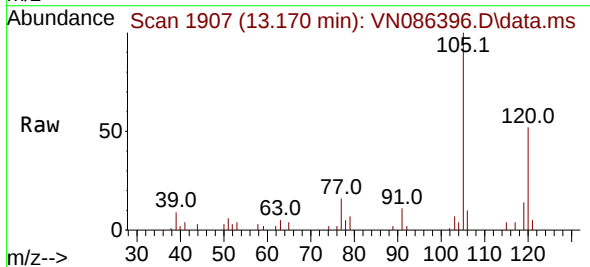
Manual Integrations
APPROVED

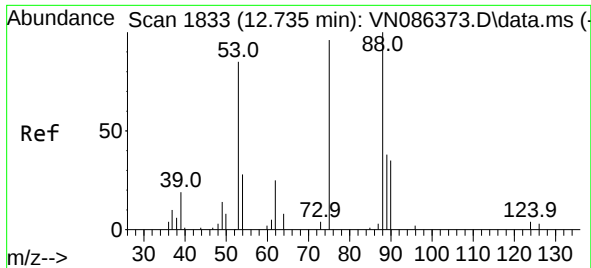
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.368 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

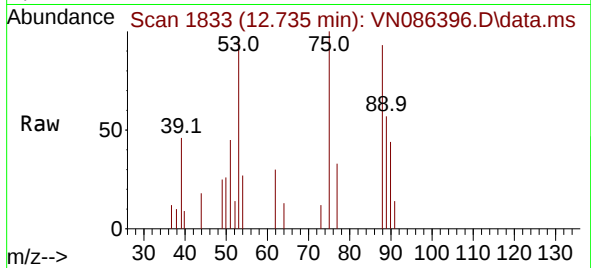
Tgt Ion:105 Resp: 22565
Ion Ratio Lower Upper
105 100
120 50.0 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 2.190 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

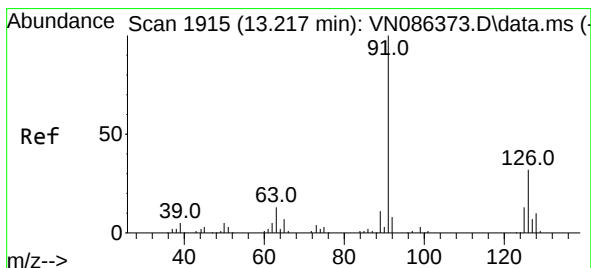
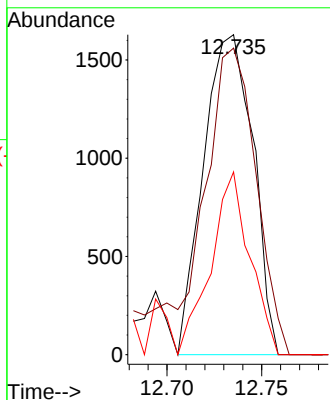
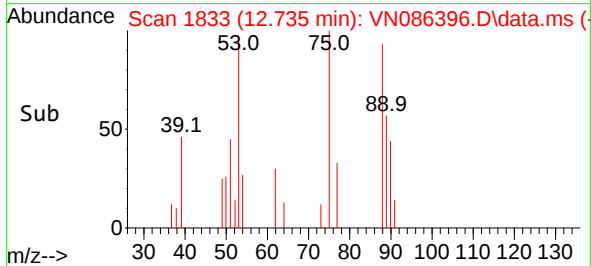
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2025



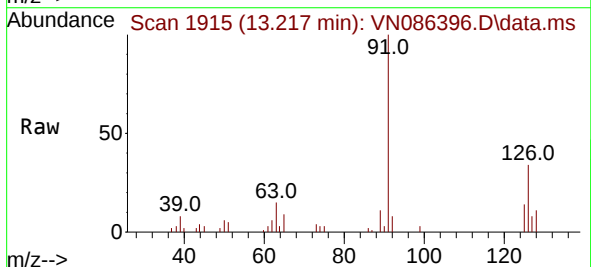
Tgt Ion: 75 Resp: 296
Ion Ratio Lower Upper
75 100
53 84.5 46.0 138.0
89 57.1 21.6 64.6

Manual Integrations
APPROVED

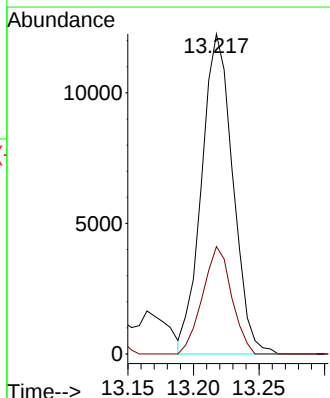
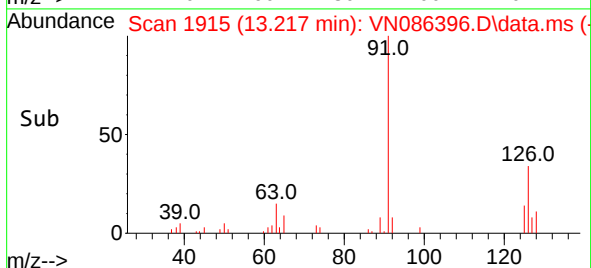
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025

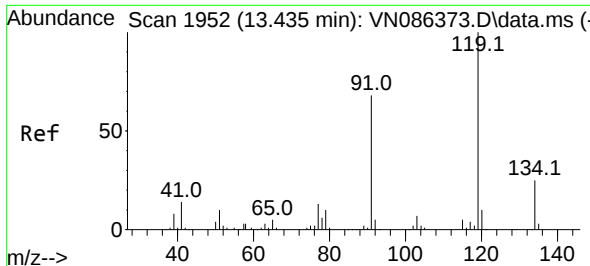


#78
4-Chlorotoluene
Concen: 2.364 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



Tgt Ion: 91 Resp: 20363
Ion Ratio Lower Upper
91 100
126 31.1 0.0 65.4





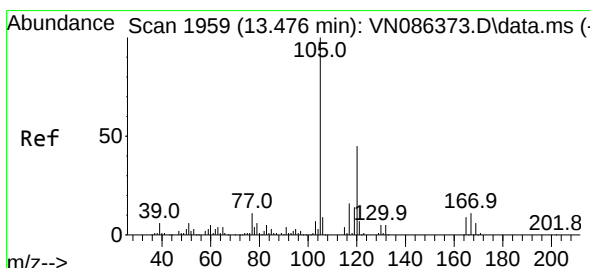
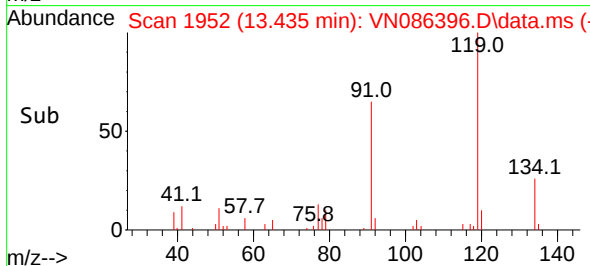
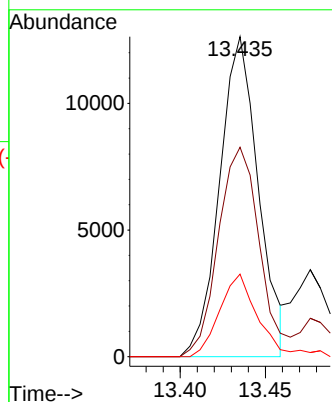
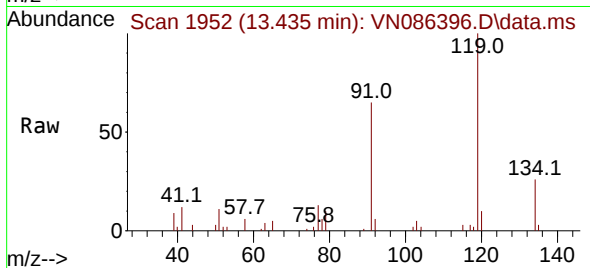
#79
tert-butylbenzene
Concen: 2.452 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion:119 Resp: 2001
Ion Ratio Lower Upper
119 100
91 69.6 0.0 137.4
134 24.7 0.0 49.2

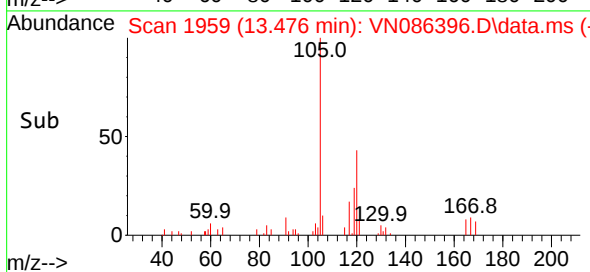
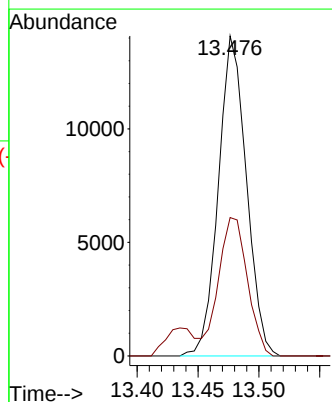
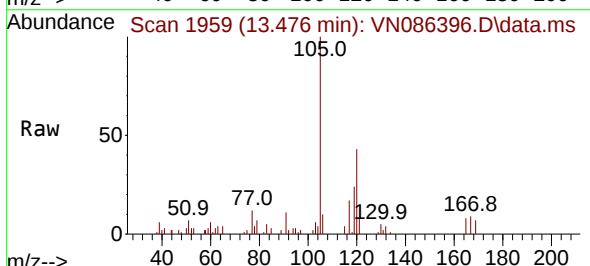
Manual Integrations
APPROVED

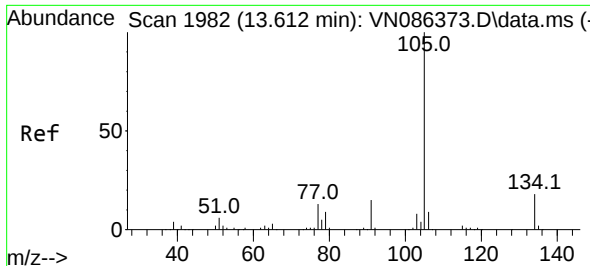
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 2.315 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

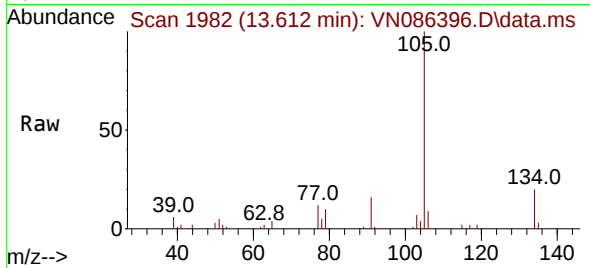
Tgt Ion:105 Resp: 22534
Ion Ratio Lower Upper
105 100
120 44.4 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 2.256 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

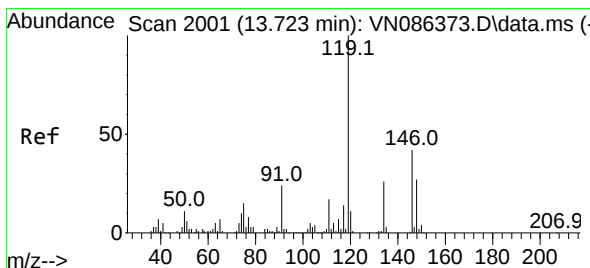
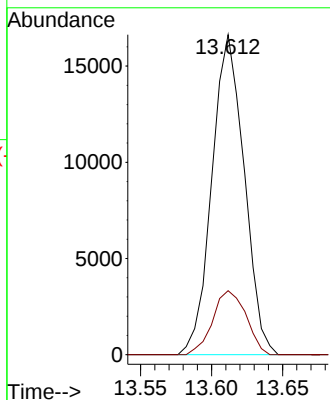
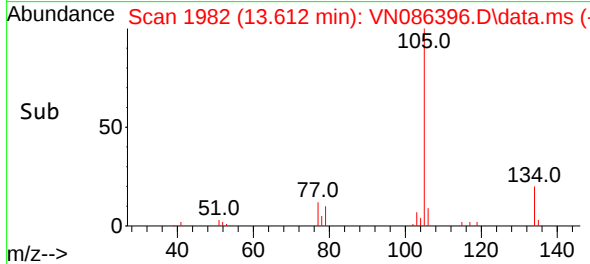
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2025



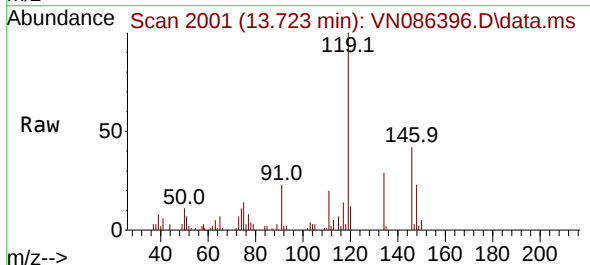
Tgt Ion:105 Resp: 2628
 Ion Ratio Lower Upper
 105 100
 134 20.7 0.0 38.4

Manual Integrations
 APPROVED

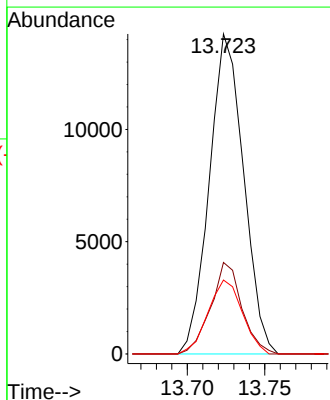
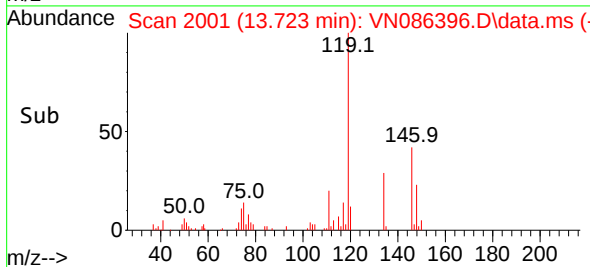
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025

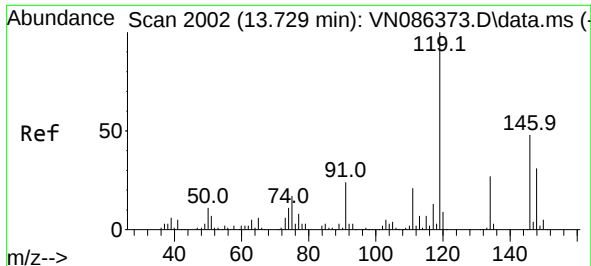


#82
 p-Isopropyltoluene
 Concen: 2.247 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20



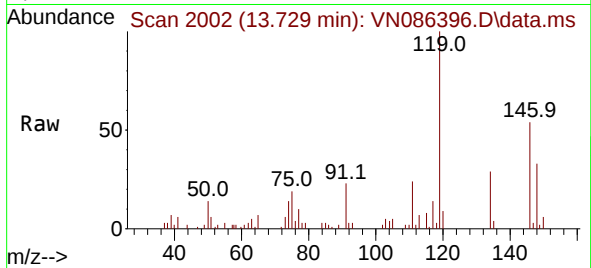
Tgt Ion:119 Resp: 21902
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 52.2
 91 23.1 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 2.307 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

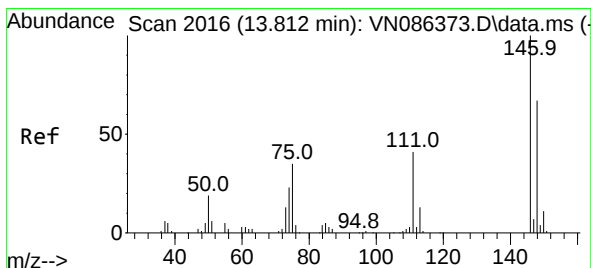
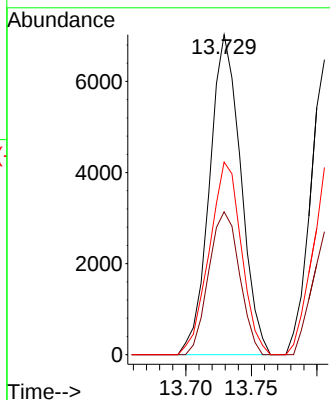
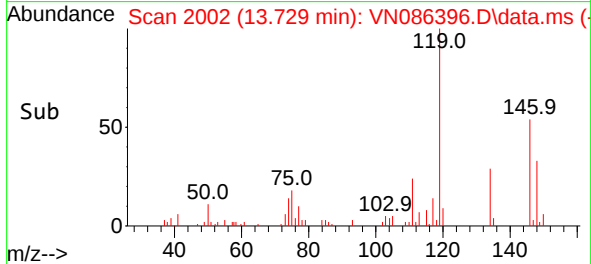
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



Tgt Ion:146 Resp: 1164
Ion Ratio Lower Upper
146 100
111 43.9 20.7 62.1
148 61.8 32.3 96.8

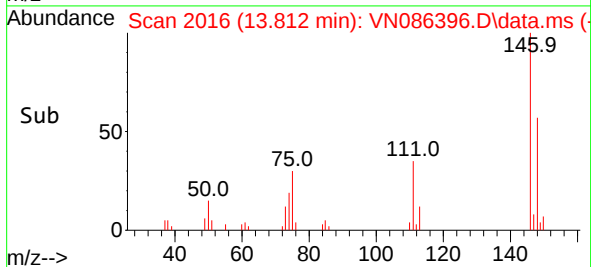
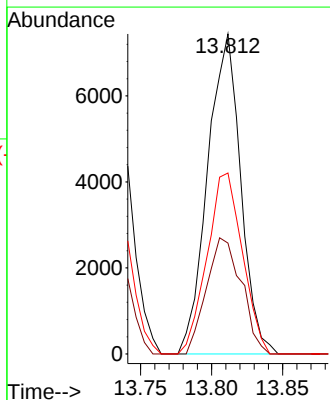
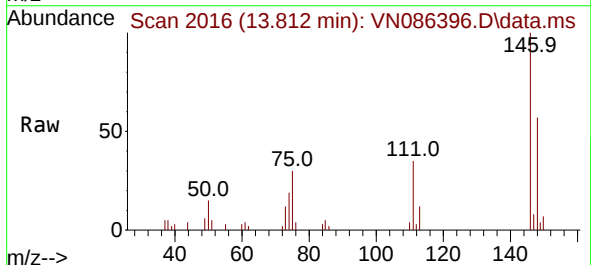
Manual Integrations
APPROVED

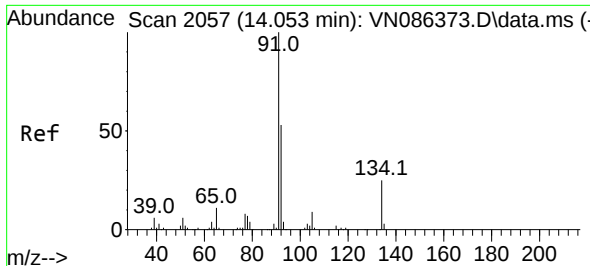
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#84
1,4-Dichlorobenzene
Concen: 2.419 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Tgt Ion:146 Resp: 12063
Ion Ratio Lower Upper
146 100
111 38.3 20.3 60.8
148 60.4 32.4 97.2





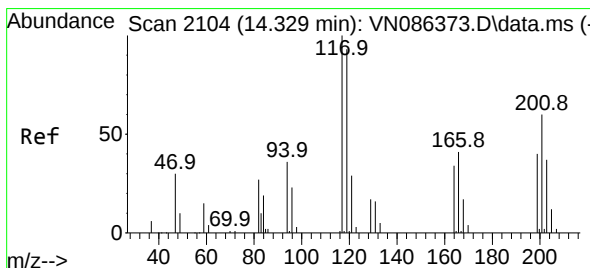
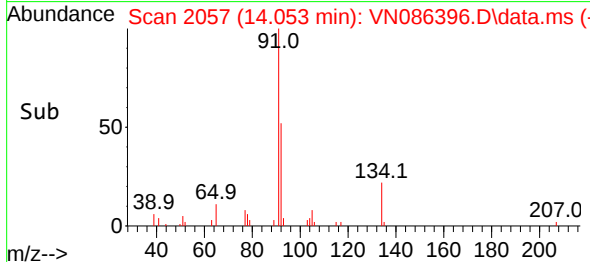
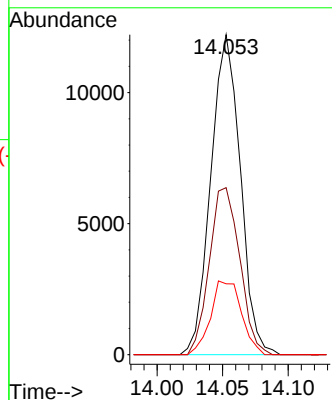
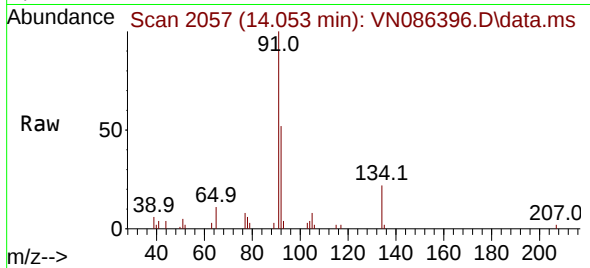
#85
n-Butylbenzene
Concen: 2.197 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025

Tgt Ion: 91 Resp: 19110
Ion Ratio Lower Upper
91 100
92 53.8 0.0 107.2
134 24.1 0.0 48.2

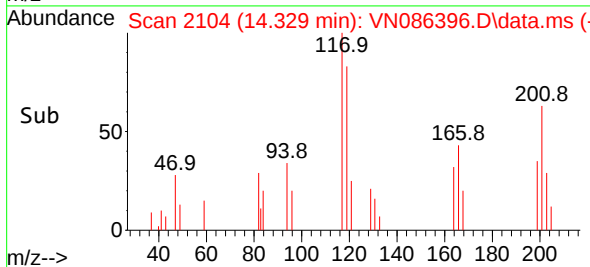
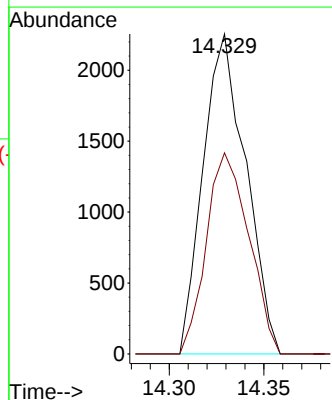
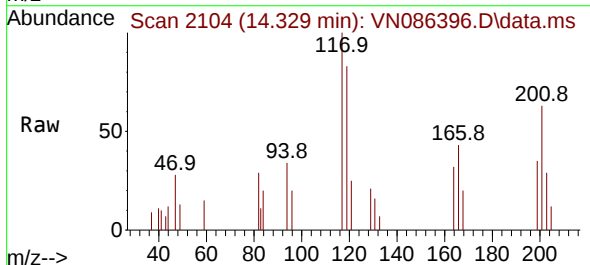
Manual Integrations
APPROVED

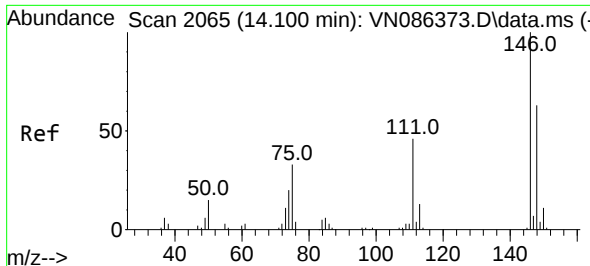
Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 2.220 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

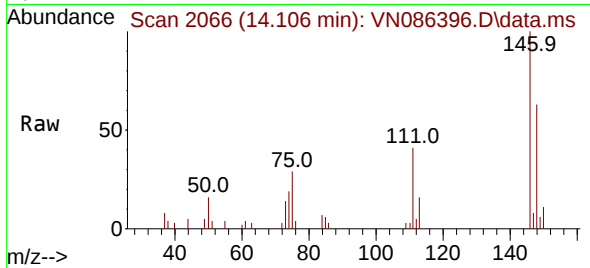
Tgt Ion:117 Resp: 3538
Ion Ratio Lower Upper
117 100
201 62.5 31.7 95.1





#87
 1,2-Dichlorobenzene
 Concen: 2.384 ug/l
 RT: 14.106 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

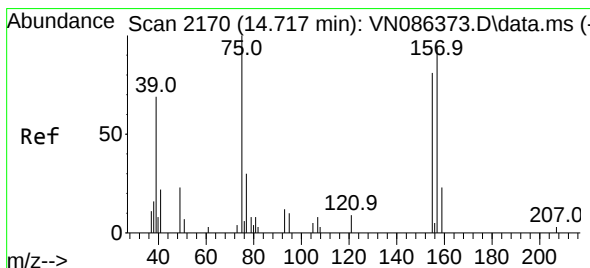
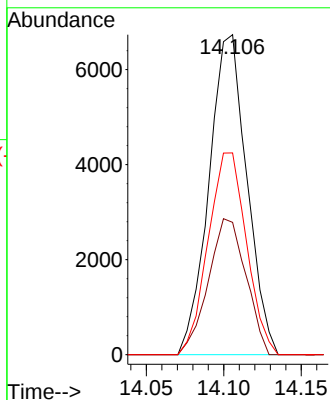
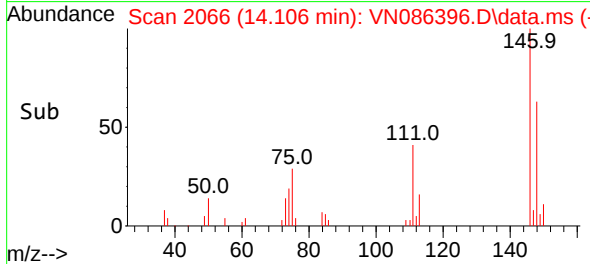
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2025



Tgt Ion:146 Resp: 1144
 Ion Ratio Lower Upper
 146 100
 111 42.2 22.1 66.3
 148 63.9 32.0 96.0

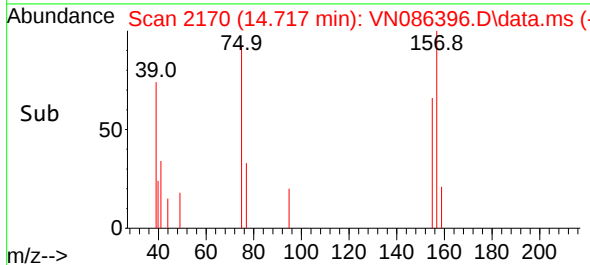
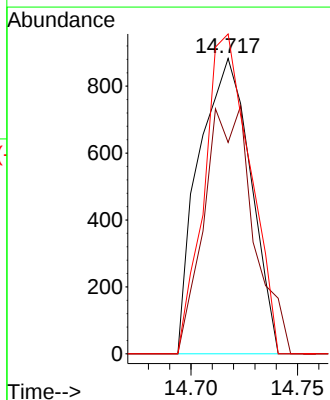
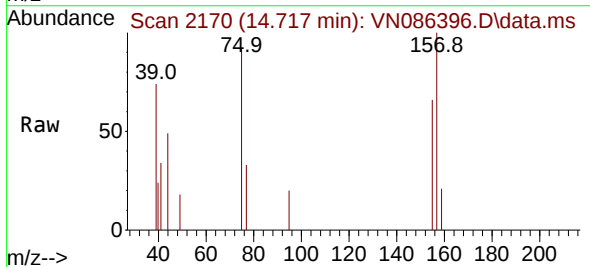
Manual Integrations
 APPROVED

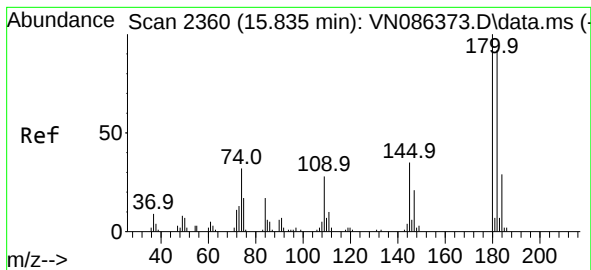
Reviewed By :John Carlone 04/25/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.405 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. 0.000 min
 Lab File: VN086396.D
 Acq: 24 Apr 2025 13:20

Tgt Ion: 75 Resp: 1495
 Ion Ratio Lower Upper
 75 100
 155 79.4 64.0 96.0
 157 95.7 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 2.296 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2025

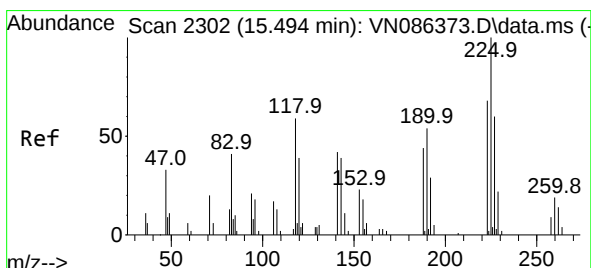
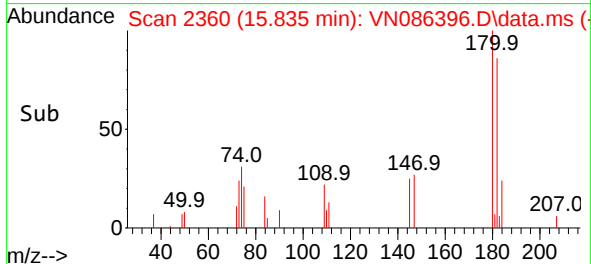
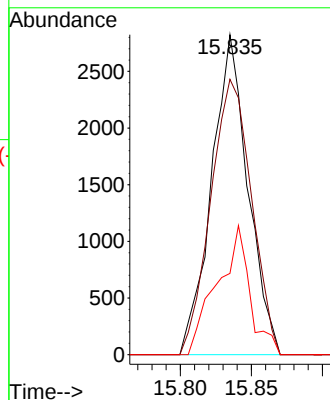
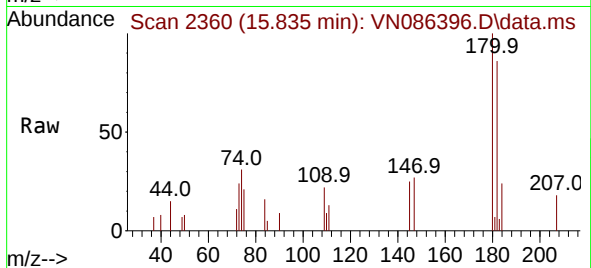
Tgt Ion:180	Resp:	5020
Ion Ratio	Lower	Upper
180	100	
182	96.6	74.8 112.2
145	33.6	26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/25/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 2.819 ug/l

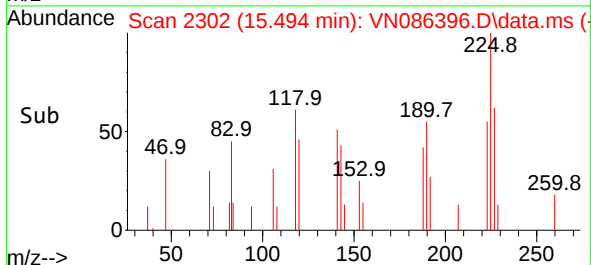
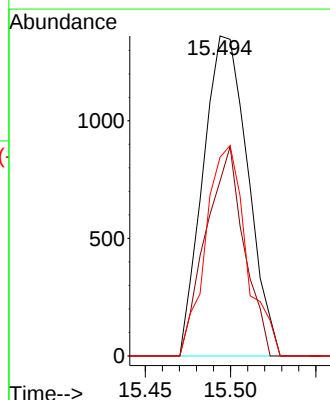
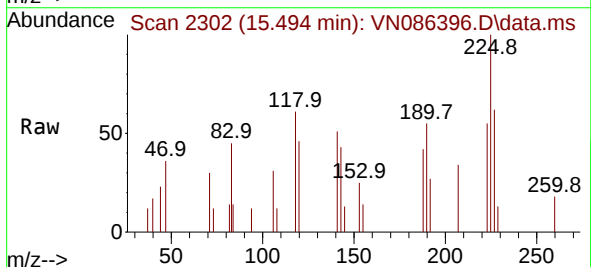
RT: 15.494 min Scan# 2302

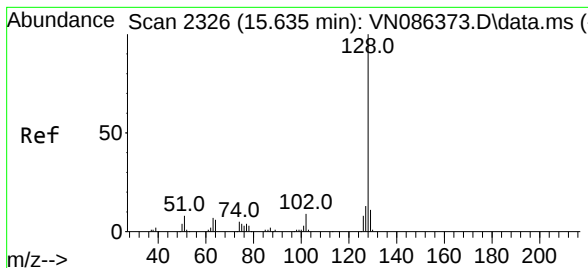
Delta R.T. 0.000 min

Lab File: VN086396.D

Acq: 24 Apr 2025 13:20

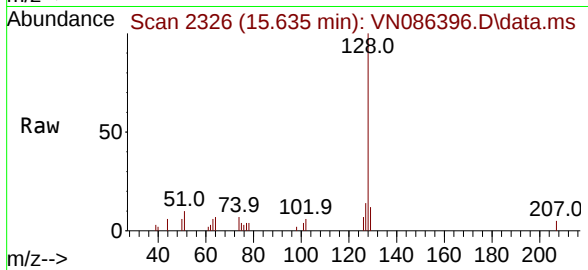
Tgt Ion:225	Resp:	2485
Ion Ratio	Lower	Upper
225	100	
223	55.7	0.0 128.8
227	59.4	0.0 120.2





#91
Naphthalene
Concen: 2.367 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20

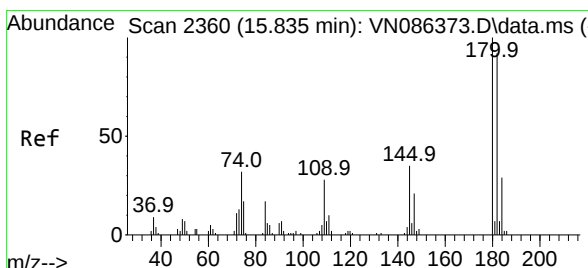
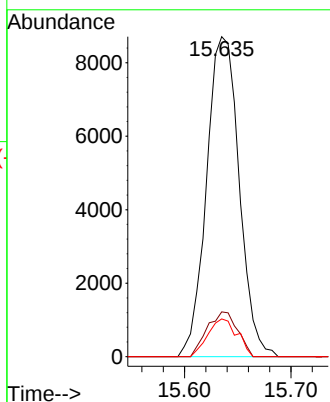
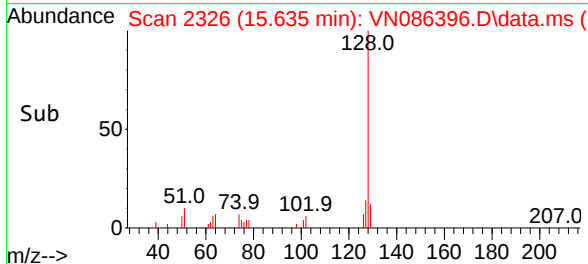
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2025



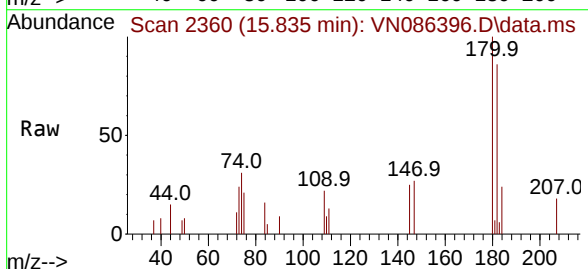
Tgt Ion:128 Resp: 1854
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.6 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/25/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.296 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086396.D
Acq: 24 Apr 2025 13:20



Tgt Ion:180 Resp: 5026
Ion Ratio Lower Upper
180 100
182 96.6 0.0 187.0
145 33.6 0.0 67.2

