

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086388.D
 Acq On : 23 Apr 2025 17:37
 Operator : JC\MD
 Sample : Q1168-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Quant Time: Apr 24 05:36:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 05:35:39 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	27238	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	164881	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	149654	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81725	31.120	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.733%			
60) 4-Bromofluorobenzene	12.841	95	82763	28.138	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.800%			
63) Toluene-d8	10.565	98	249052	30.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.833%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	4498	2.392	ug/l	94
3) Chloromethane	2.360	50	7857	2.941	ug/l	93
4) Vinyl Chloride	2.512	62	6806	2.660	ug/l	97
5) Bromomethane	2.959	94	4095	3.066	ug/l	99
6) Chloroethane	3.118	64	4709	2.761	ug/l	94
7) Trichlorofluoromethane	3.507	101	8077	2.675	ug/l	95
8) Diethyl Ether	3.965	74	3238m	2.540	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	4900	2.639	ug/l	54
10) 1,1-Dichloroethene	4.330	96	4744m	2.497	ug/l	
11) Methyl Iodide	4.589	142	6032	2.713	ug/l	96
12) Methyl Acetate	5.030	43	6929	2.573	ug/l	96
13) Acrolein	4.177	56	3315	24.282	ug/l #	67
14) Acrylonitrile	5.724	53	13295	13.263	ug/l	92
15) Acetone	4.430	58	3334	12.070	ug/l #	66
16) Carbon Disulfide	4.706	76	14167	2.829	ug/l	98
17) Allyl chloride	5.030	41	8209m	2.702	ug/l	
18) Methylene Chloride	5.283	84	5984m	2.765	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	5184m	2.560	ug/l	
20) Diisopropyl ether	6.665	45	18170	2.515	ug/l	90
21) 1,1-Dichloroethane	6.565	63	10230	2.587	ug/l	97
22) cis-1,2-Dichloroethene	7.477	96	6544	2.584	ug/l	95
23) tert-Butyl Alcohol	5.518	59	5909	15.217	ug/l #	21
24) Methyl tert-Butyl Ether	5.795	73	18083	2.576	ug/l #	90
25) Chloroform	7.965	83	10560	2.639	ug/l	92
26) Cyclohexane	8.259	56	9117	2.611	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	7443	2.561	ug/l #	55
30) 2-Butanone	7.483	43	18250	12.936	ug/l	99
31) 2,2-Dichloropropane	7.483	77	8790	2.352	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	8923	2.569	ug/l	99
33) Carbon Tetrachloride	8.359	117	7470	2.612	ug/l	89
34) Benzene	8.600	78	23841	2.579	ug/l #	72
35) Methacrylonitrile	7.777	41	4367	2.713	ug/l	84
36) 1,2-Dichloroethane	8.665	62	7912	2.636	ug/l #	80
37) Trichloroethene	9.347	130	6150	2.657	ug/l #	76
38) Methylcyclohexane	9.594	83	8403	2.503	ug/l	100
39) 1,2-Dichloropropane	9.612	63	6107	2.674	ug/l #	84
40) Dibromomethane	9.706	93	3845	2.517	ug/l	97
41) Bromodichloromethane	9.888	83	8091	2.503	ug/l	91
42) Vinyl Acetate	6.600	43	65256	13.352	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086388.D
 Acq On : 23 Apr 2025 17:37
 Operator : JC\MD
 Sample : Q1168-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

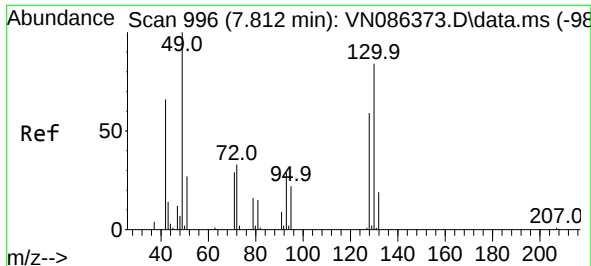
Quant Time: Apr 24 05:36:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 05:35:39 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	7476	2.678	ug/l #	74
44) Isopropyl Acetate	8.683	43	18266	3.447	ug/l #	86
45) 1,4-Dioxane	9.688	88	2472	59.791	ug/l	95
46) Methyl methacrylate	9.683	41	6460	2.643	ug/l	97
47) n-amyl Acetate	12.488	43	10794	2.390	ug/l	99
48) t-1,3-Dichloropropene	10.830	75	8865	2.453	ug/l	93
49) cis-1,3-Dichloropropene	10.306	75	9238	2.424	ug/l #	93
50) 1,1,2-Trichloroethane	11.012	97	5268	2.469	ug/l #	85
51) Ethyl methacrylate	10.871	69	8901	2.396	ug/l	97
52) 1,3-Dichloropropane	11.159	76	9407	2.495	ug/l	99
53) Dibromochloromethane	11.359	129	5776	2.411	ug/l	96
54) 1,2-Dibromoethane	11.471	107	5364	2.473	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	20582	11.782	ug/l	97
56) Bromoform	12.576	173	3378	2.173	ug/l #	97
58) 4-Methyl-2-Pentanone	10.441	43	38126	13.165	ug/l	99
59) 2-Hexanone	11.194	43	27929	13.087	ug/l	99
61) Tetrachloroethene	11.100	164	5818	2.549	ug/l	89
62) Toluene	10.624	91	26164	2.612	ug/l	100
64) Chlorobenzene	11.882	112	16073	2.575	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	5463	2.618	ug/l	99
66) Ethyl Benzene	11.959	91	28341	2.514	ug/l	100
67) m/p-Xylenes	12.065	106	20195	4.720	ug/l	98
68) o-Xylene	12.394	106	10048	2.399	ug/l	99
69) Styrene	12.412	104	16256	2.290	ug/l	98
70) Isopropylbenzene	12.688	105	24554	2.348	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	7424	2.696	ug/l	93
72) 1,2,3-Trichloropropane	12.988	75	6293m	2.622	ug/l	
73) Bromobenzene	12.976	156	6014	2.502	ug/l	96
74) n-propylbenzene	13.029	91	28332	2.280	ug/l	97
75) 2-Chlorotoluene	13.118	91	18636	2.403	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	20295	2.365	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	2749	2.257	ug/l	84
78) 4-Chlorotoluene	13.218	91	17804	2.296	ug/l	94
79) tert-butylbenzene	13.435	119	18072	2.459	ug/l	94
80) 1,2,4-Trimethylbenzene	13.476	105	19789	2.258	ug/l	99
81) sec-Butylbenzene	13.612	105	23010	2.194	ug/l	99
82) p-Isopropyltoluene	13.723	119	18456	2.103	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	10481	2.306	ug/l	96
84) 1,4-Dichlorobenzene	13.806	146	10548	2.349	ug/l	96
85) n-Butylbenzene	14.053	91	15250	1.947	ug/l	99
86) Hexachloroethane	14.329	117	3120	2.174	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	10195	2.358	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	1503	2.686	ug/l #	84
89) 1,2,4-Trichlorobenzene	15.835	180	4022	2.041	ug/l	95
90) Hexachlorobutadiene	15.494	225	1843	2.322	ug/l	98
91) Naphthalene	15.635	128	14900	2.112	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	4022	2.041	ug/l	95

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



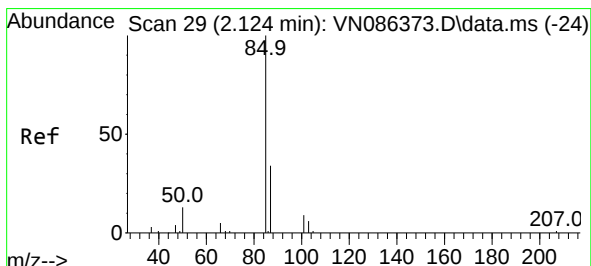
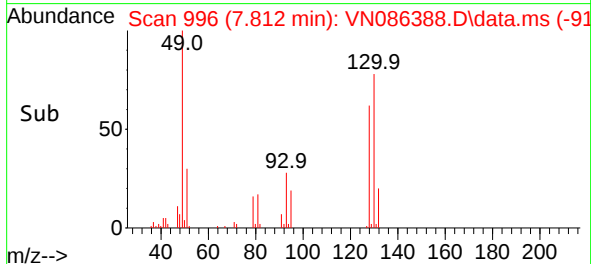
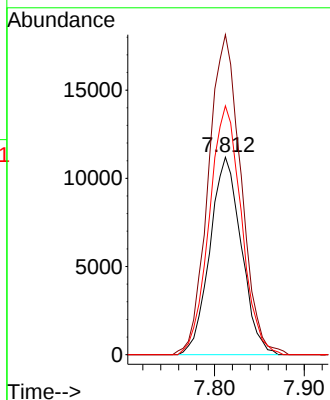
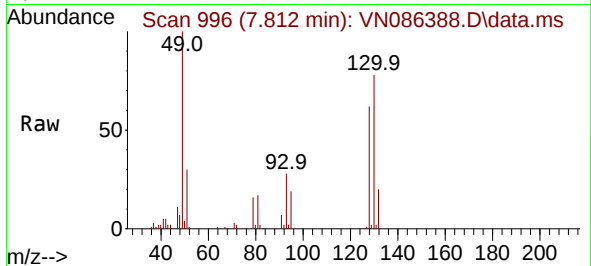
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 128 Resp: 27238
Ion Ratio Lower Upper
128 100
49 168.4 0.0 433.8
130 129.0 0.0 325.0

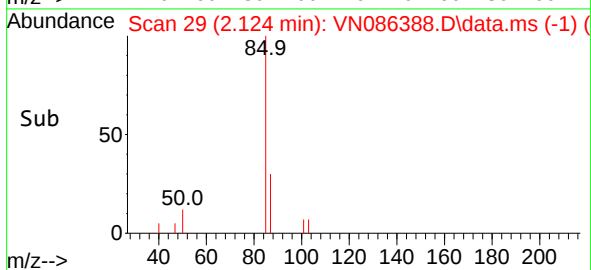
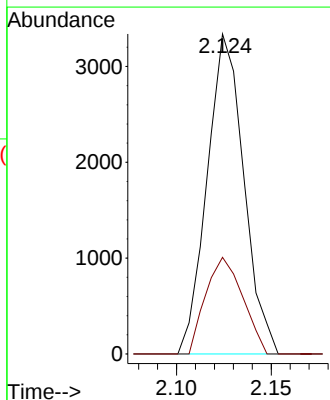
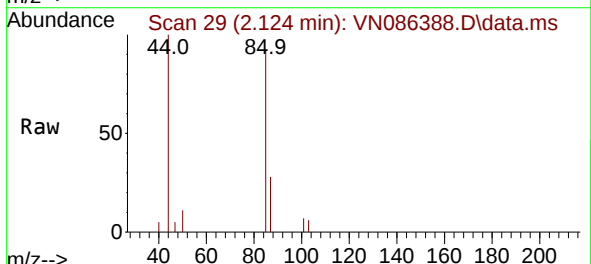
Manual Integrations
APPROVED

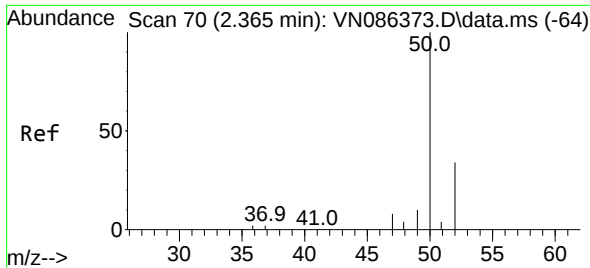
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 2.392 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 85 Resp: 4498
Ion Ratio Lower Upper
85 100
87 30.2 17.0 50.9





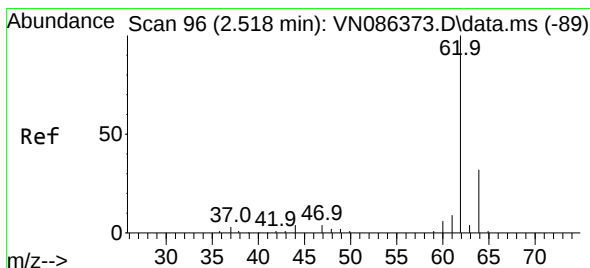
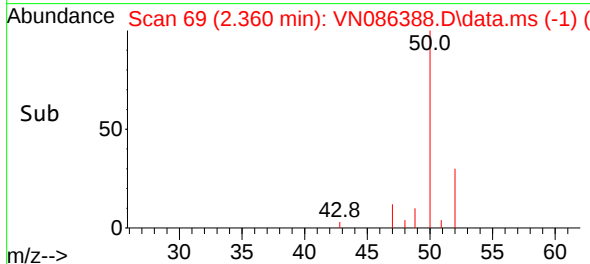
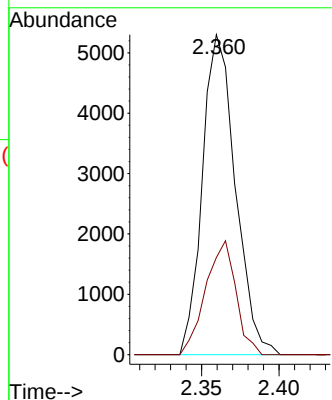
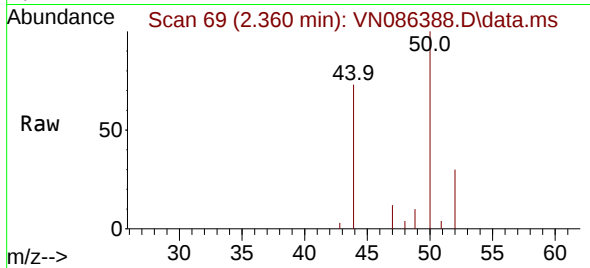
#3
Chloromethane
Concen: 2.941 ug/l
RT: 2.360 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 50 Resp: 785
Ion Ratio Lower Upper
50 100
52 30.4 27.3 40.9

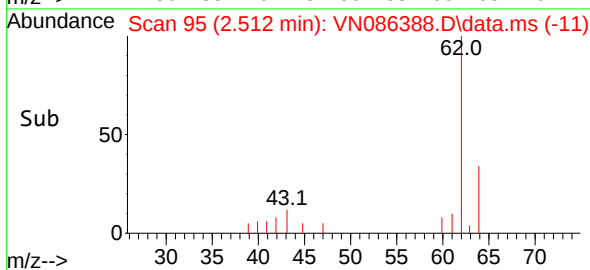
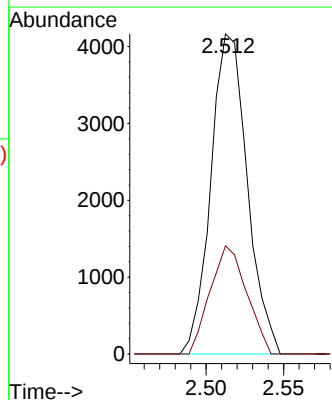
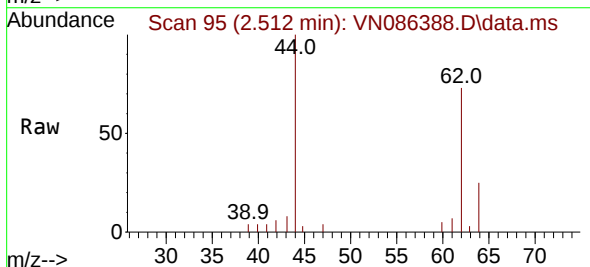
Manual Integrations
APPROVED

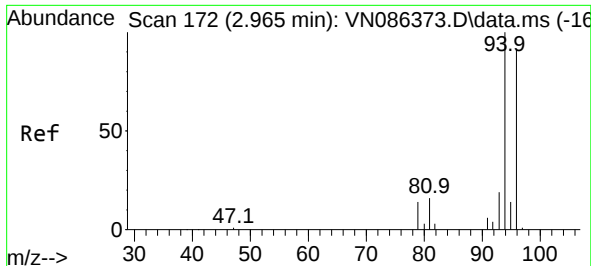
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 2.660 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

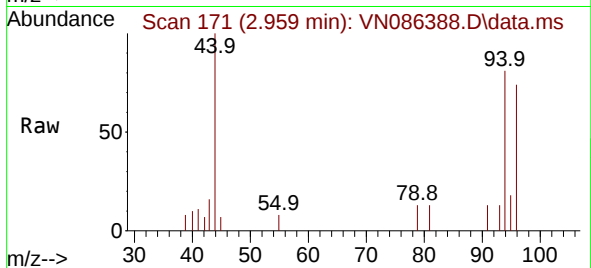
Tgt Ion: 62 Resp: 6806
Ion Ratio Lower Upper
62 100
64 33.8 25.8 38.8





#5
Bromomethane
Concen: 3.066 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

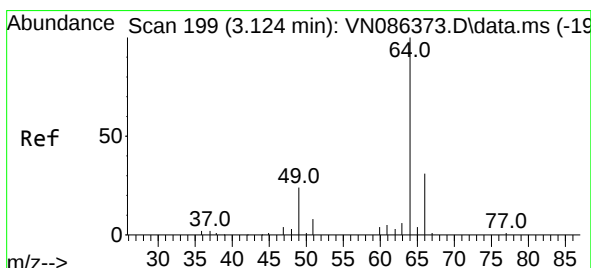
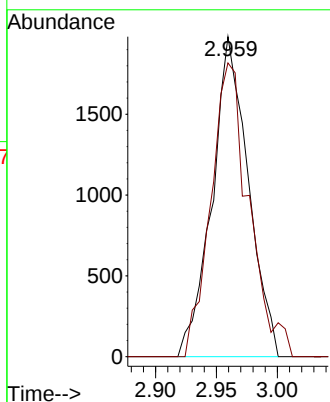
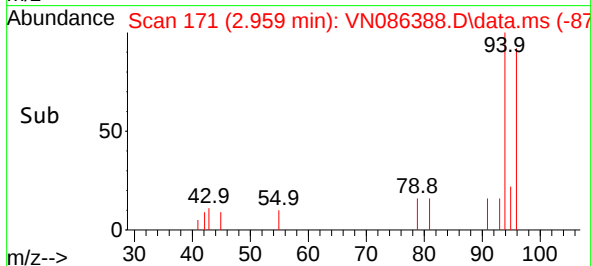
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 91.8 72.4 108.6

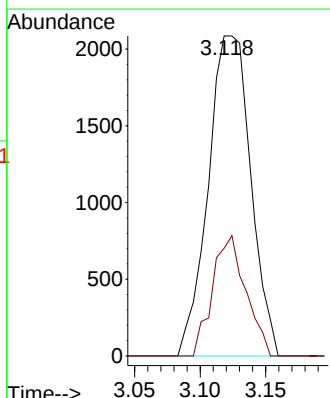
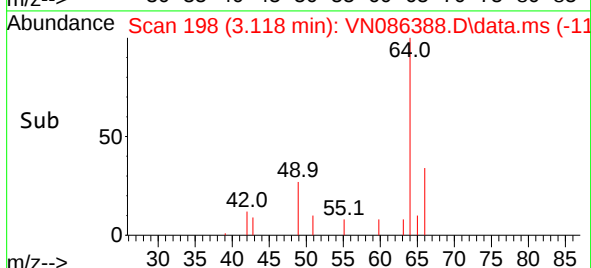
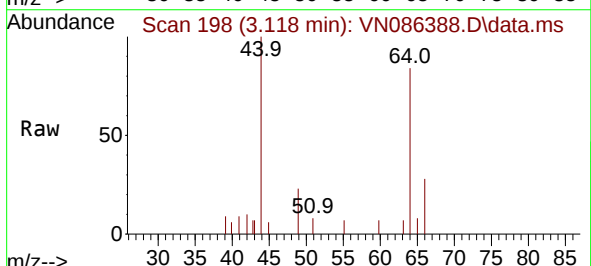
Manual Integrations
APPROVED

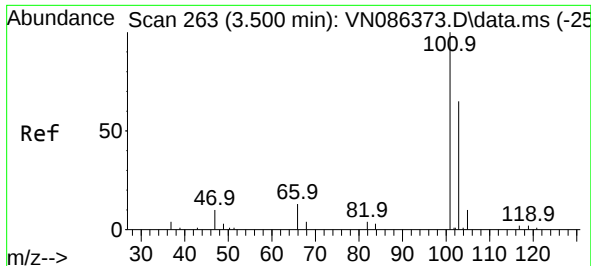
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#6
Chloroethane
Concen: 2.761 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 64 Resp: 4709
Ion Ratio Lower Upper
64 100
66 33.7 24.5 36.7





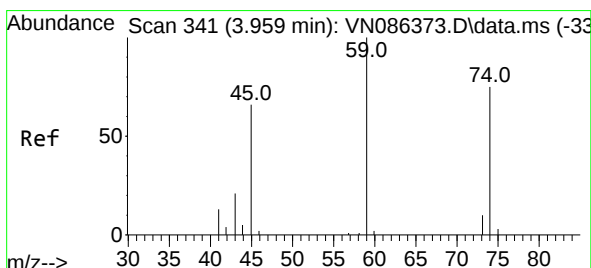
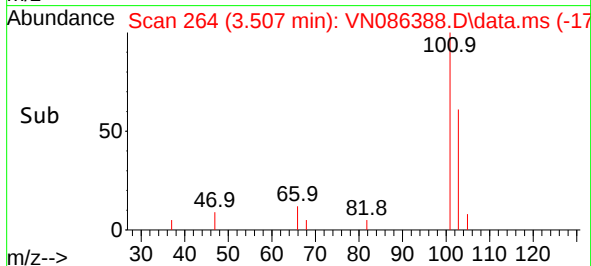
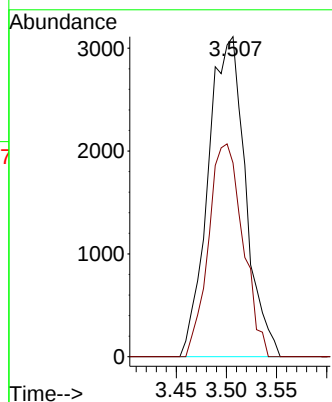
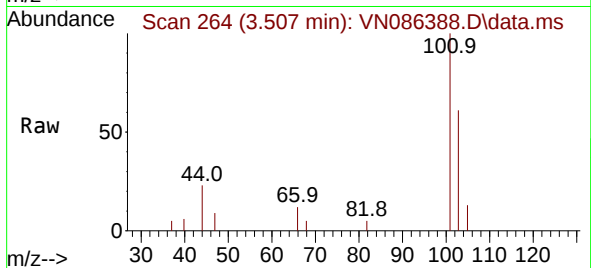
#7
 Trichlorofluoromethane
 Concen: 2.675 ug/l
 RT: 3.507 min Scan# 207
 Delta R.T. 0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Tgt Ion:101 Resp: 807
 Ion Ratio Lower Upper
 101 100
 103 60.6 51.8 77.6

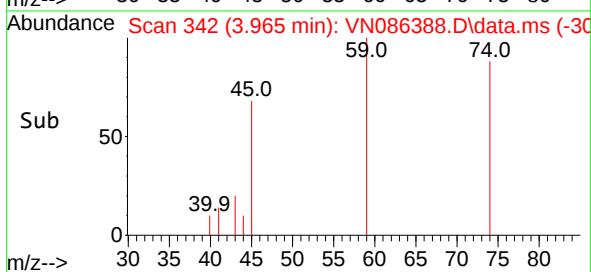
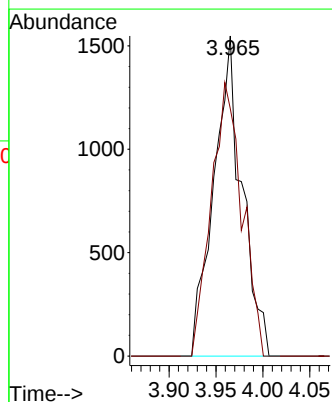
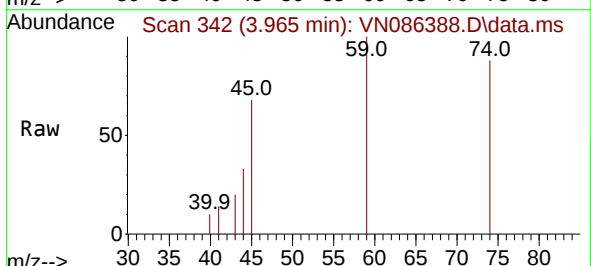
Manual Integrations
 APPROVED

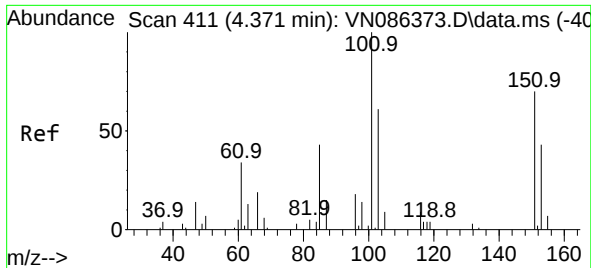
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#8
 Diethyl Ether
 Concen: 2.540 ug/l m
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

Tgt Ion: 74 Resp: 3238
 Ion Ratio Lower Upper
 74 100
 45 93.9 18.5 166.3





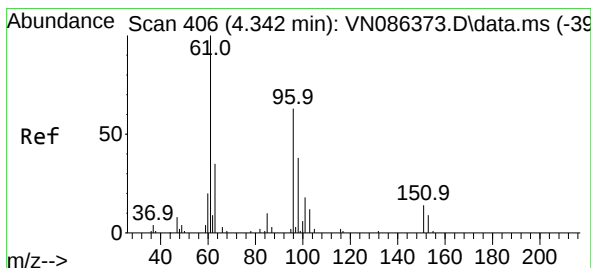
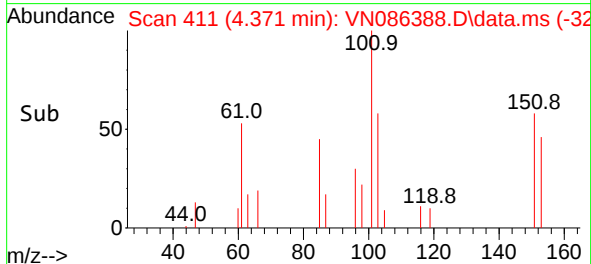
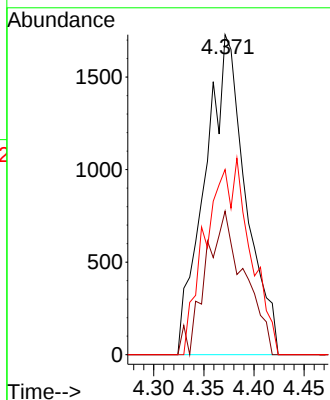
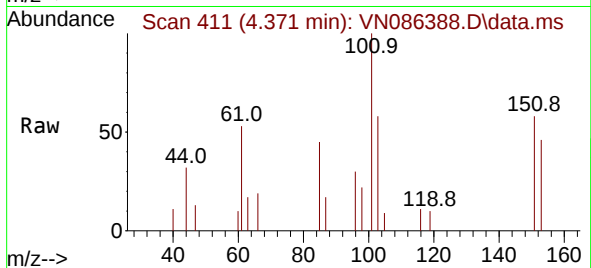
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.639 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 101 Resp: 4900
 Ion Ratio Lower Upper
 101 100
 85 7.7 0.0 84.4
 151 39.0 0.0 145.8

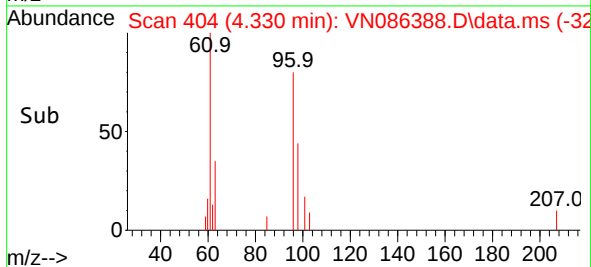
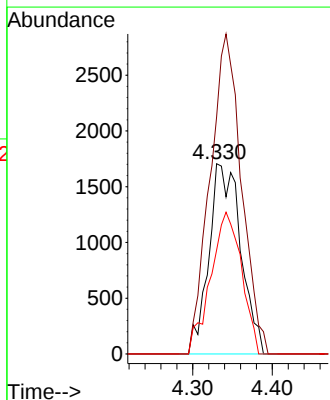
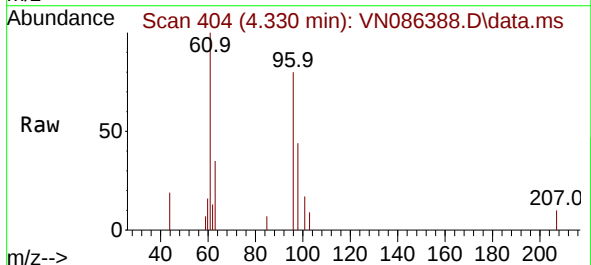
Manual Integrations
 APPROVED

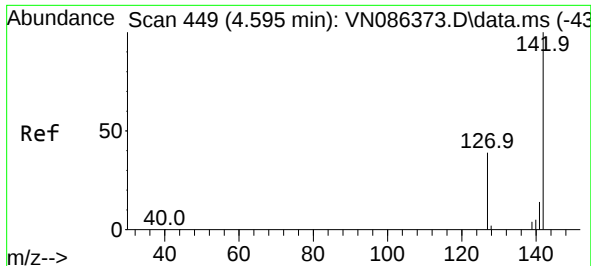
Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025



#10
 1,1-Dichloroethene
 Concen: 2.497 ug/l m
 RT: 4.330 min Scan# 404
 Delta R.T. -0.012 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

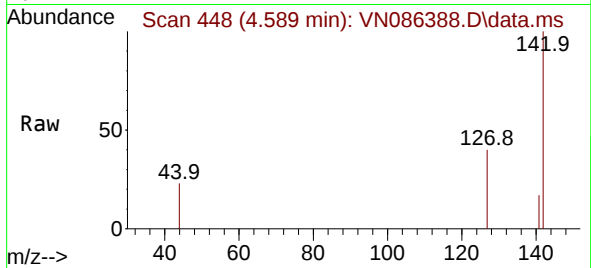
Tgt Ion: 96 Resp: 4744
 Ion Ratio Lower Upper
 96 100
 61 124.5 126.2 189.4#
 98 54.6 48.5 72.7





#11
Methyl Iodide
Concen: 2.713 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

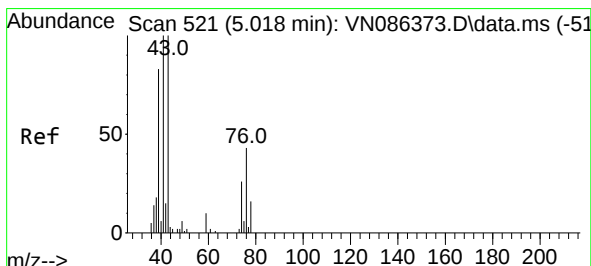
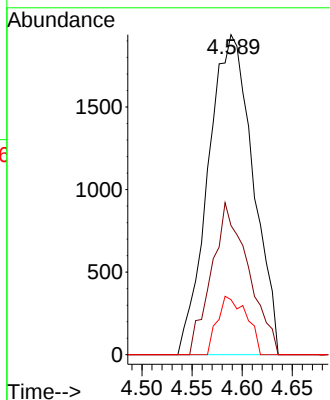
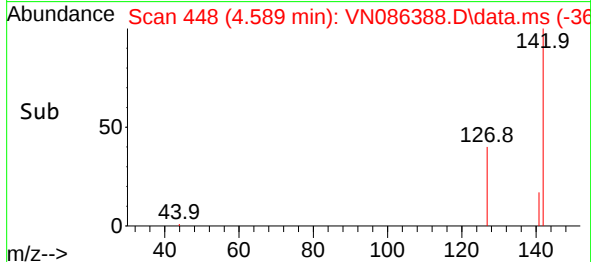
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion:142 Resp: 6032
Ion Ratio Lower Upper
142 100
127 40.4 19.3 57.9
141 17.2 7.1 21.3

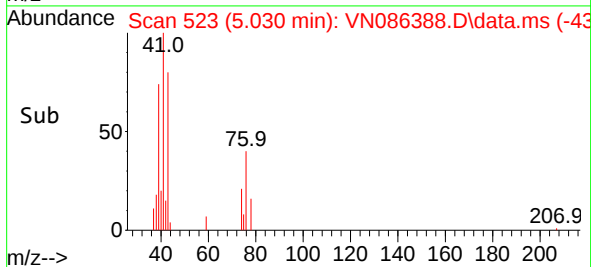
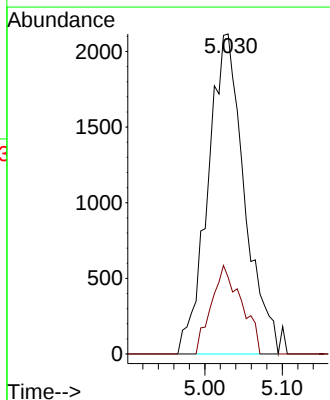
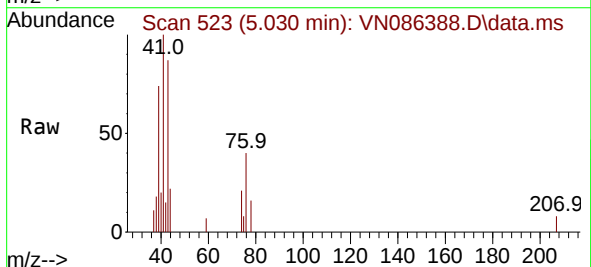
Manual Integrations
APPROVED

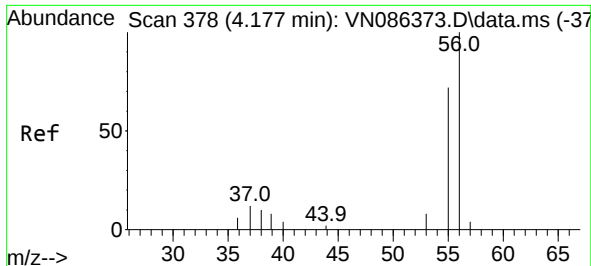
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#12
Methyl Acetate
Concen: 2.573 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

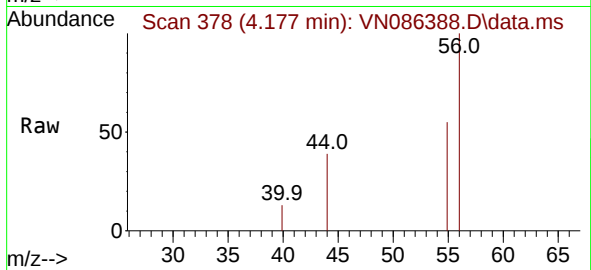
Tgt Ion: 43 Resp: 6929
Ion Ratio Lower Upper
43 100
74 24.0 20.8 31.2





#13
Acrolein
Concen: 24.282 ug/l
RT: 4.177 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

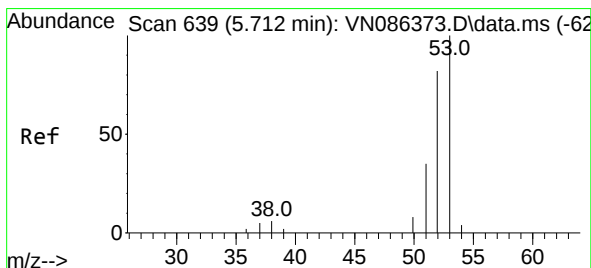
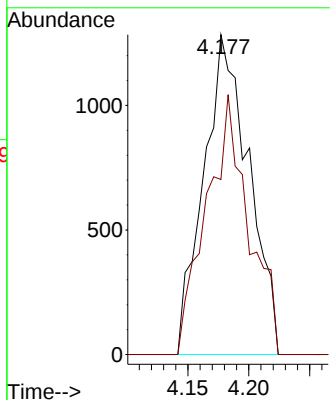
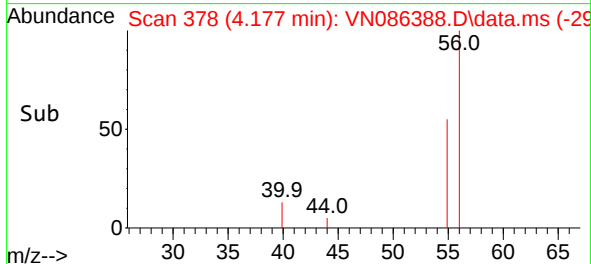
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



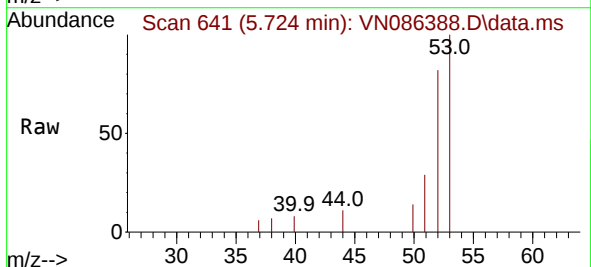
Tgt Ion: 56 Resp: 331
Ion Ratio Lower Upper
56 100
55 42.8 56.1 84.1

Manual Integrations
APPROVED

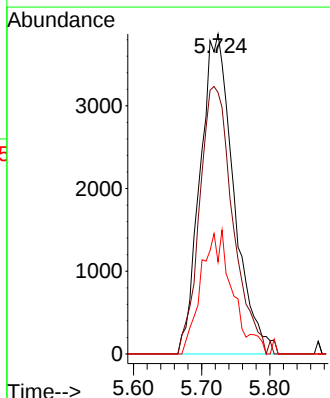
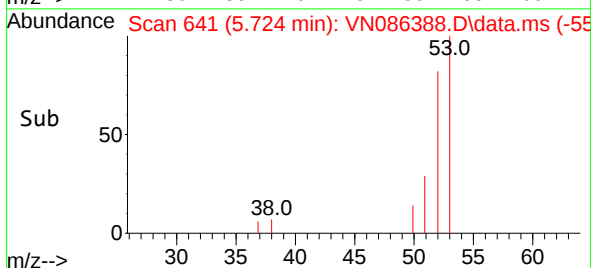
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

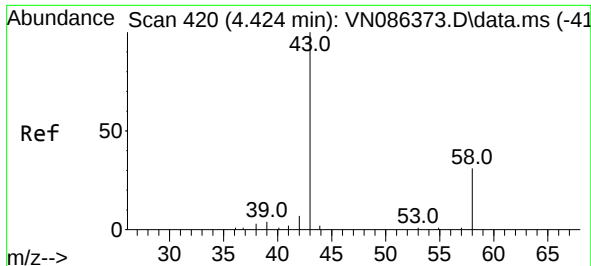


#14
Acrylonitrile
Concen: 13.263 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



Tgt Ion: 53 Resp: 13295
Ion Ratio Lower Upper
53 100
52 82.2 41.2 123.6
51 20.2 17.6 52.8





#15

Acetone

Concen: 12.070 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2025

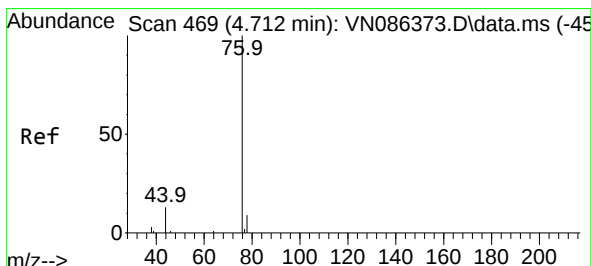
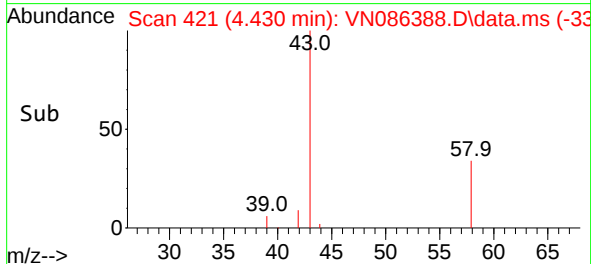
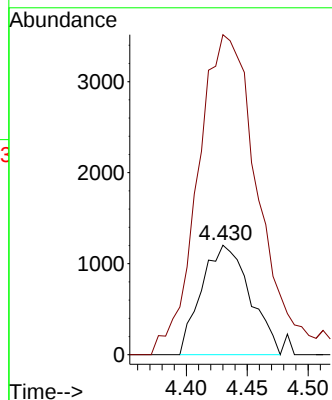
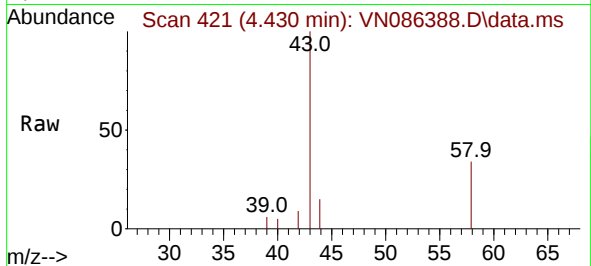
Tgt Ion: 58 Resp: 3334
 Ion Ratio Lower Upper
 58 100
 43 248.8 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 2.829 ug/l

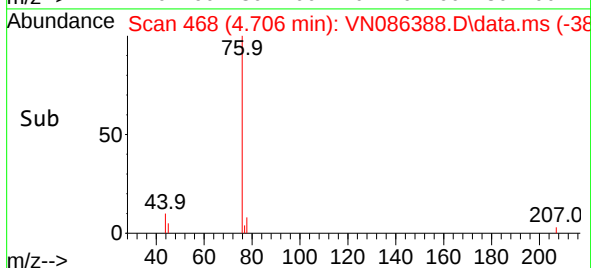
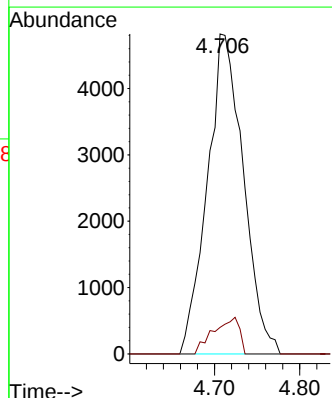
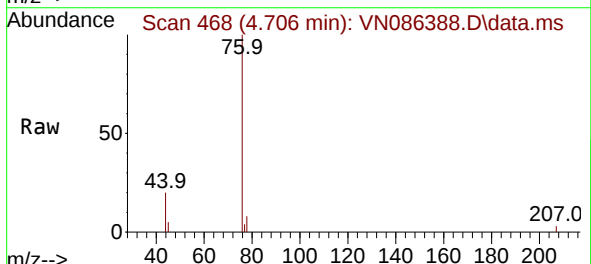
RT: 4.706 min Scan# 468

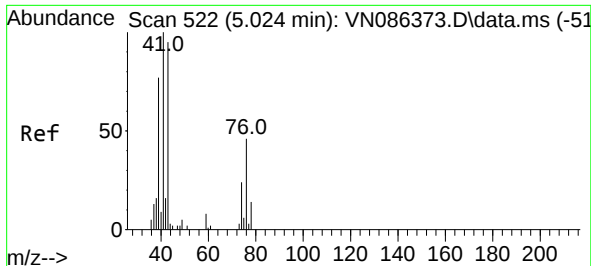
Delta R.T. -0.006 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

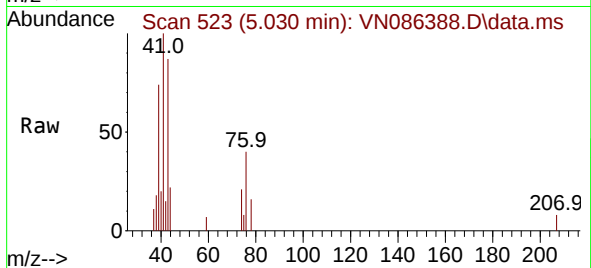
Tgt Ion: 76 Resp: 14167
 Ion Ratio Lower Upper
 76 100
 78 8.3 7.1 10.7





#17
 Allyl chloride
 Concen: 2.702 ug/l m
 RT: 5.030 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

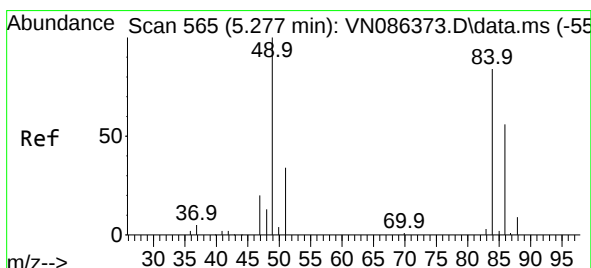
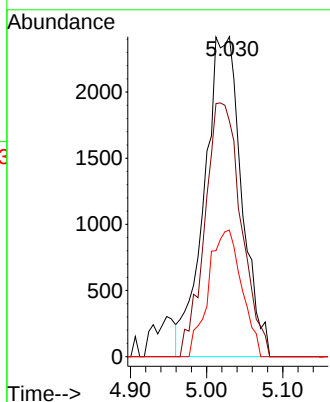
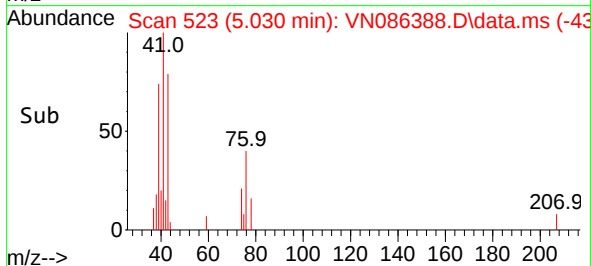
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 41 Resp: 8209
 Ion Ratio Lower Upper
 41 100
 39 73.6 36.7 110.1
 76 39.5 21.8 65.4

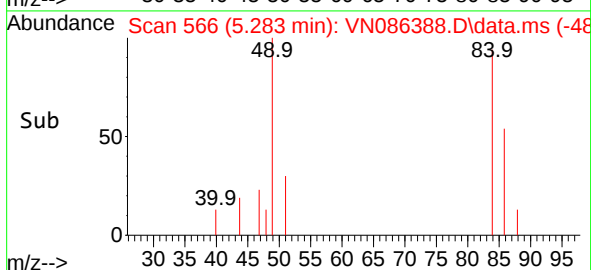
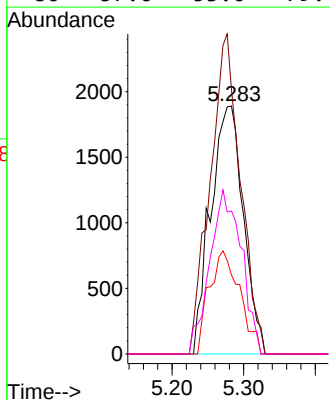
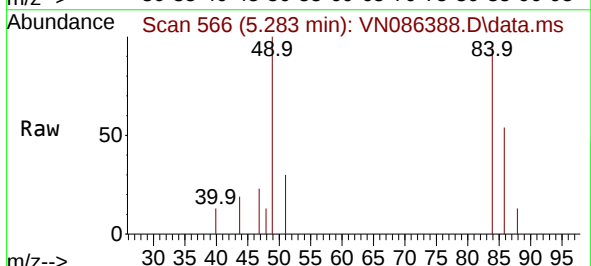
Manual Integrations
 APPROVED

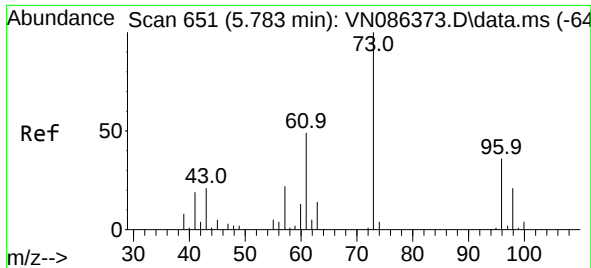
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#18
 Methylene Chloride
 Concen: 2.765 ug/l m
 RT: 5.283 min Scan# 566
 Delta R.T. 0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

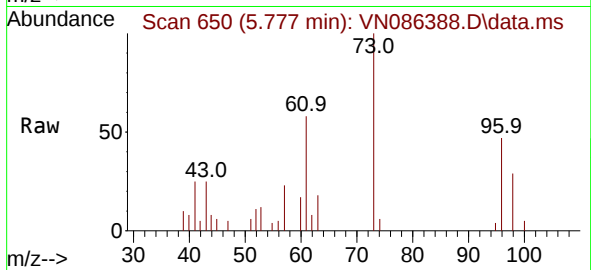
Tgt Ion: 84 Resp: 5984
 Ion Ratio Lower Upper
 84 100
 49 106.6 95.4 143.0
 51 31.8 32.8 49.2#
 86 57.6 53.0 79.4





#19
trans-1,2-Dichloroethene
Concen: 2.560 ug/l m
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

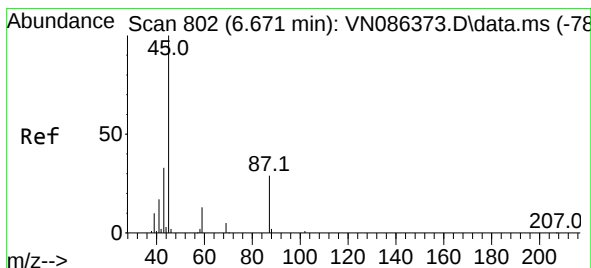
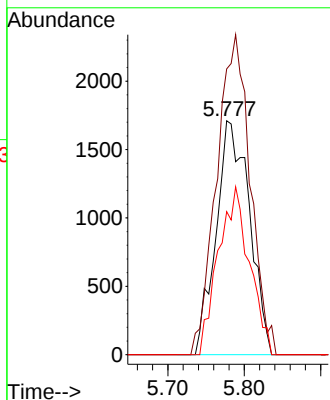
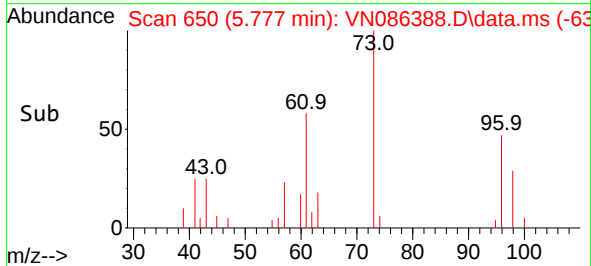
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 96 Resp: 5184
Ion Ratio Lower Upper
96 100
61 122.2 107.3 160.9
98 61.1 46.7 70.1

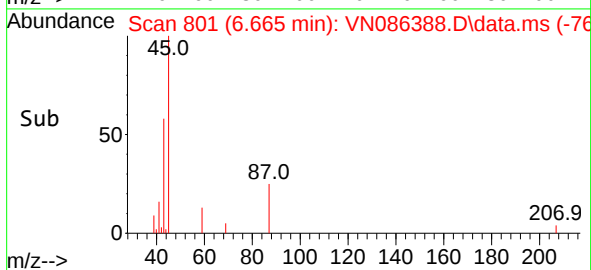
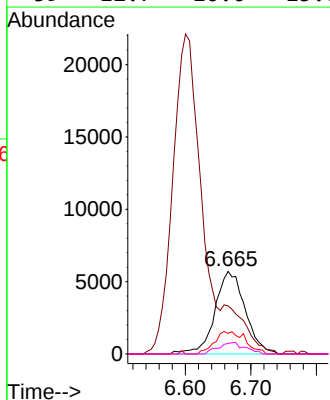
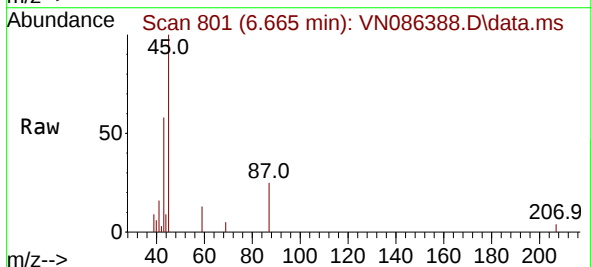
Manual Integrations
APPROVED

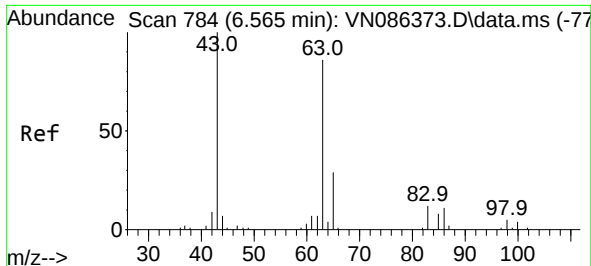
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#20
Diisopropyl ether
Concen: 2.515 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 45 Resp: 18170
Ion Ratio Lower Upper
45 100
43 58.2 38.8 58.2
87 25.0 23.5 35.3
59 12.7 10.0 15.0





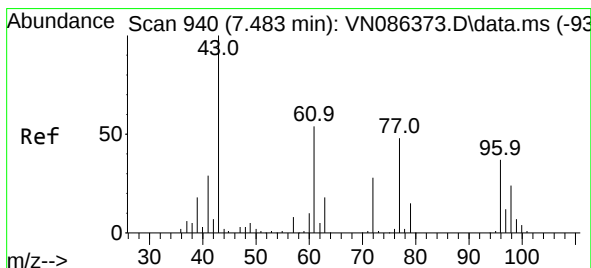
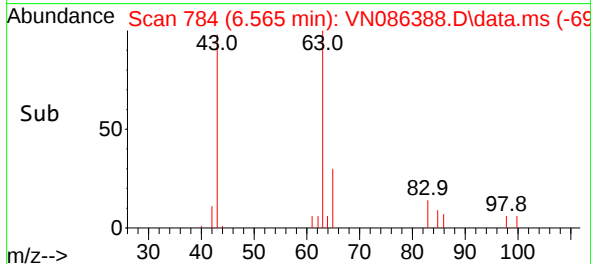
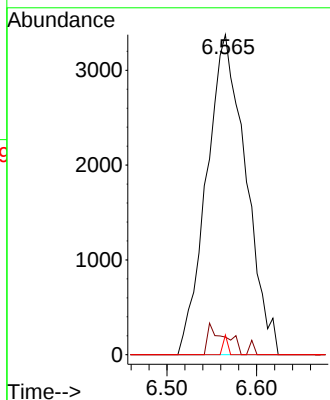
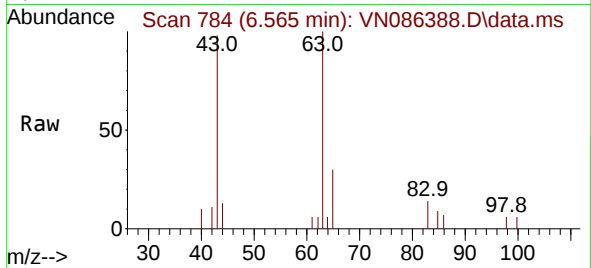
#21
1,1-Dichloroethane
Concen: 2.587 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 63 Resp: 10230
Ion Ratio Lower Upper
63 100
98 5.5 3.0 9.2
100 6.2 2.3 6.8

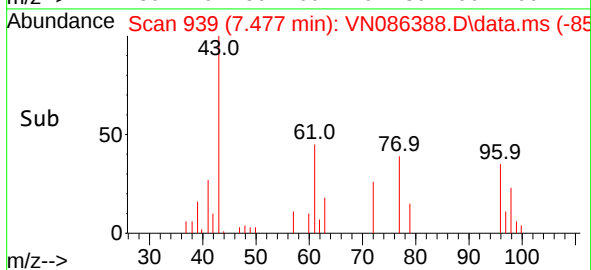
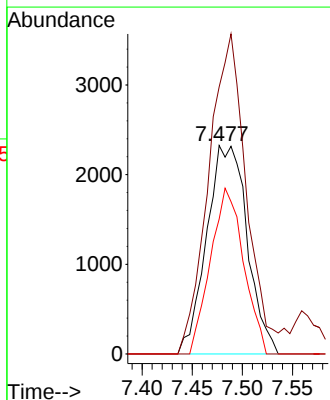
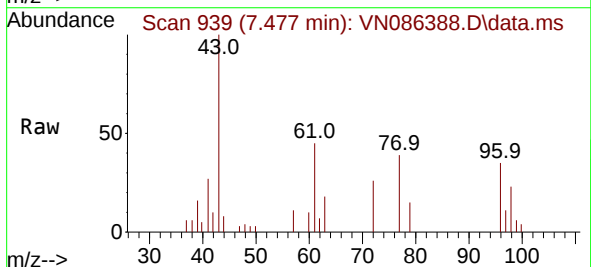
Manual Integrations
APPROVED

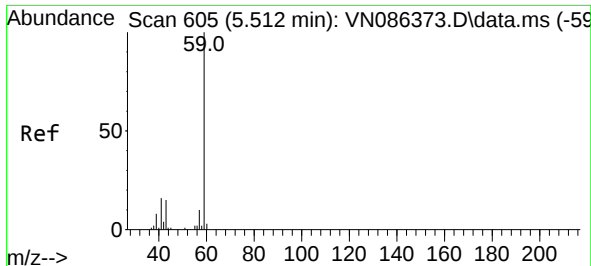
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 2.584 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

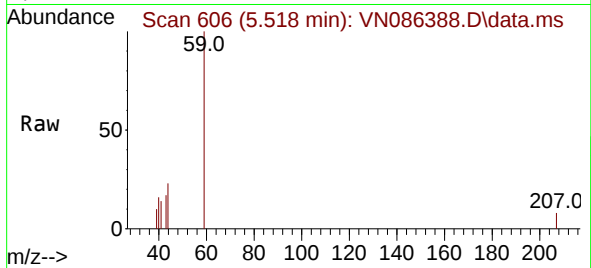
Tgt Ion: 96 Resp: 6544
Ion Ratio Lower Upper
96 100
61 142.2 120.6 181.0
98 64.9 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 15.217 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

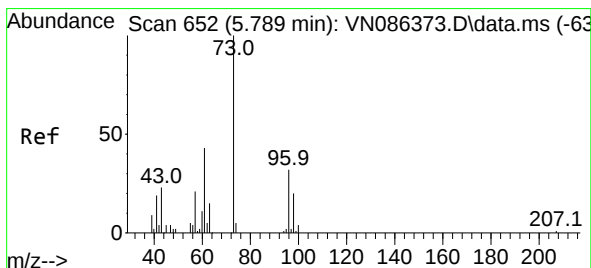
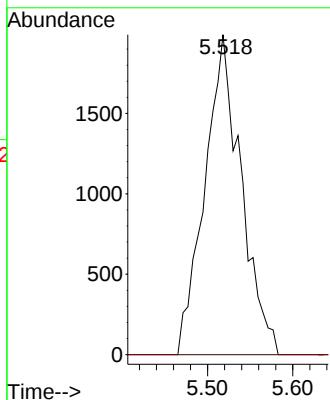
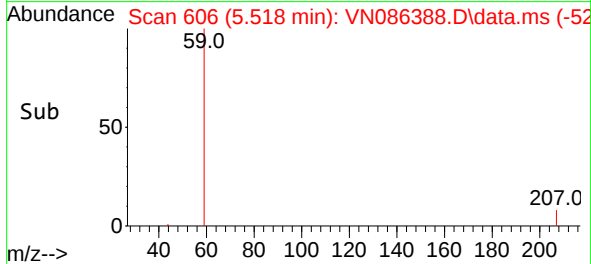
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



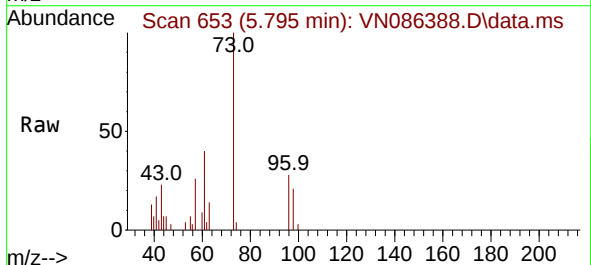
Tgt Ion: 59 Resp: 5909
Ion Ratio Lower Upper
59 100
52 185.1 0.1 0.1

Manual Integrations
APPROVED

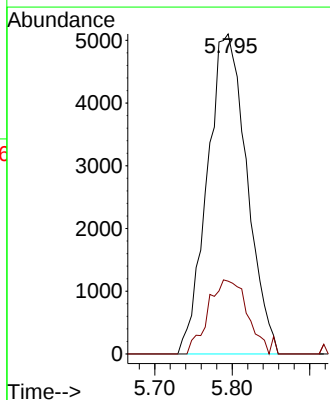
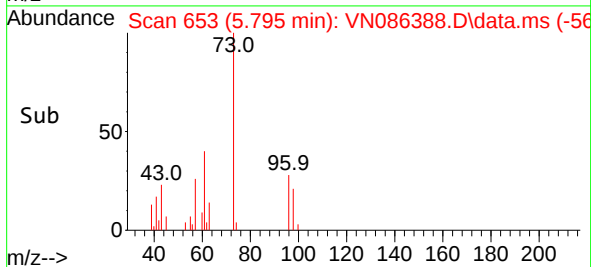
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

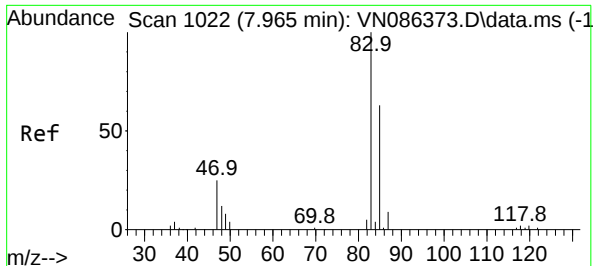


#24
Methyl tert-Butyl Ether
Concen: 2.576 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



Tgt Ion: 73 Resp: 18083
Ion Ratio Lower Upper
73 100
43 16.7 17.1 25.7





#25

Chloroform

Concen: 2.639 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 83 Resp: 10560

Ion Ratio Lower Upper

83 100

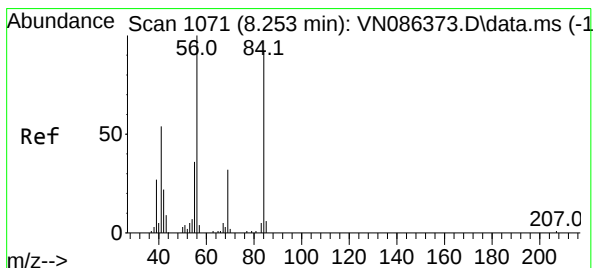
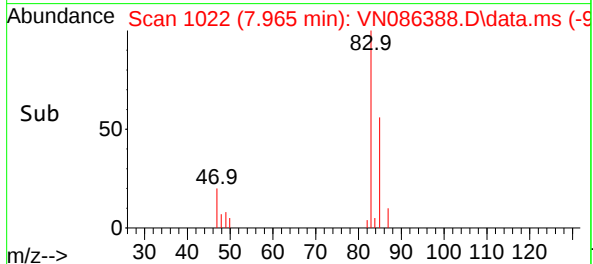
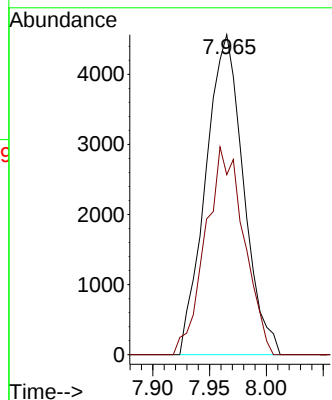
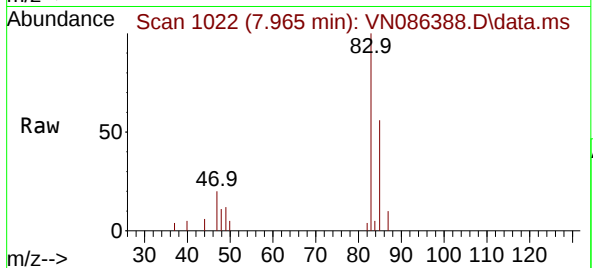
85 56.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 2.611 ug/l

RT: 8.259 min Scan# 1072

Delta R.T. 0.006 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

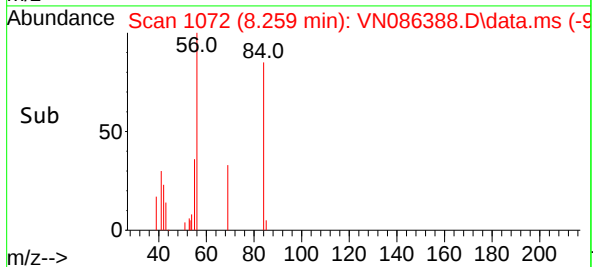
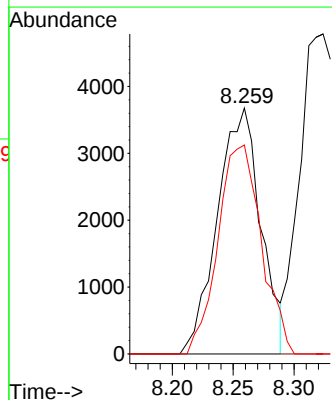
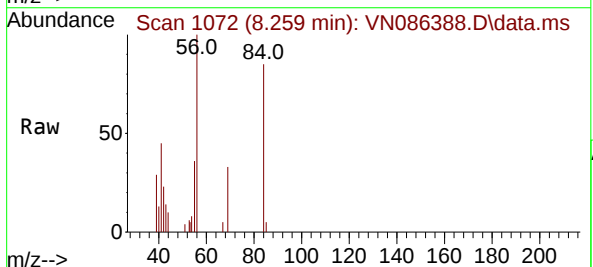
Tgt Ion: 56 Resp: 9117

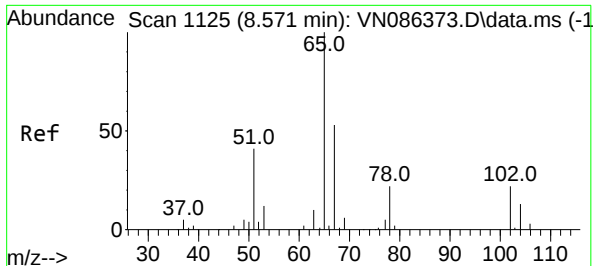
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 85.1 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 31.120 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 65 Resp: 81725

Ion Ratio Lower Upper

65 100

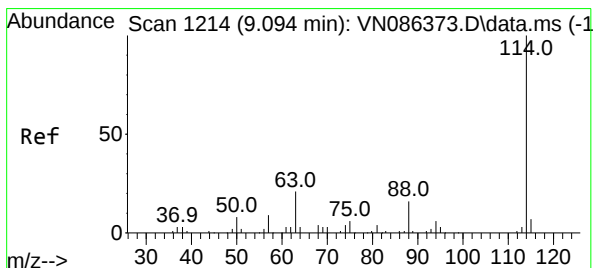
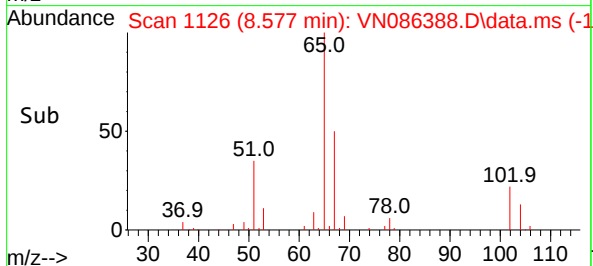
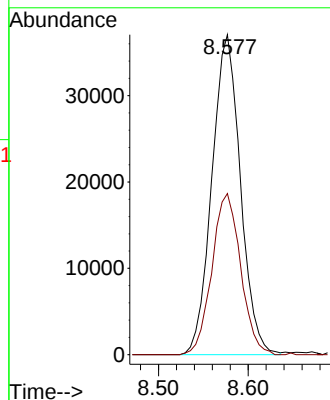
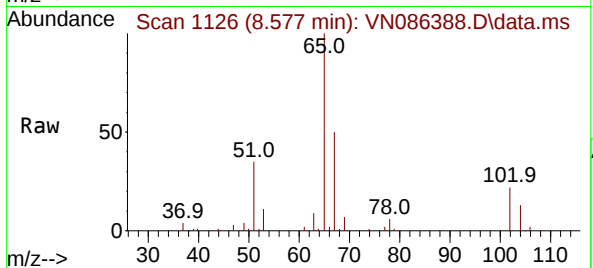
67 50.7 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

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: VN086388.D

Acq: 23 Apr 2025 17:37

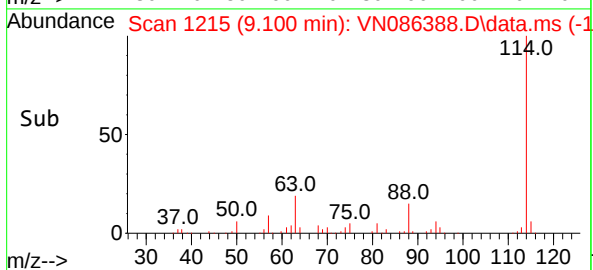
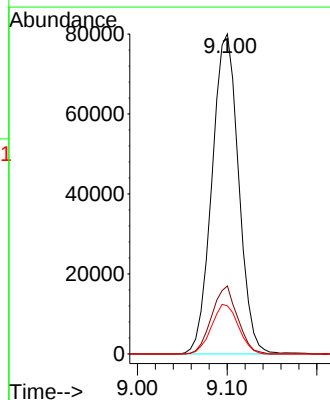
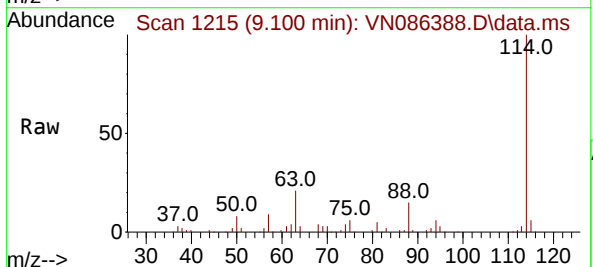
Tgt Ion:114 Resp: 164881

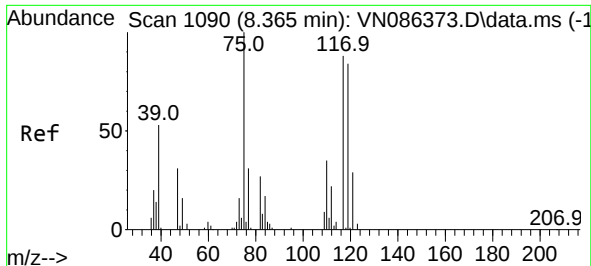
Ion Ratio Lower Upper

114 100

63 20.5 16.7 25.1

88 15.6 12.6 19.0





#29

1,1-Dichloropropene

Concen: 2.561 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086388.D

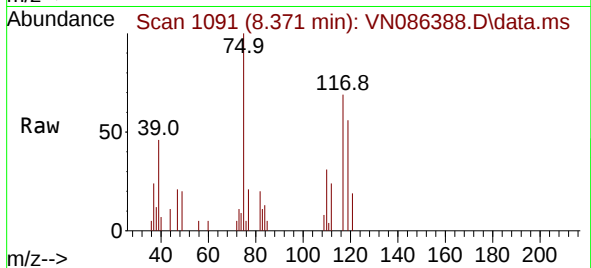
Acq: 23 Apr 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2025



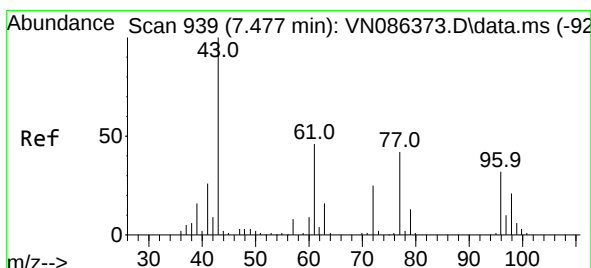
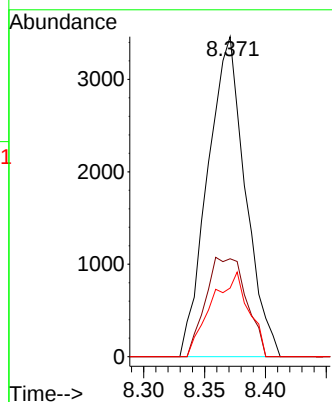
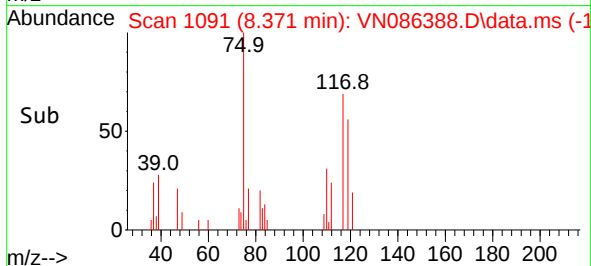
Tgt Ion:	75	Resp:	744
Ion Ratio	100	Lower	Upper
75	100		
110	0.0	0.0	68.0
77	14.3	0.0	61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 12.936 ug/l

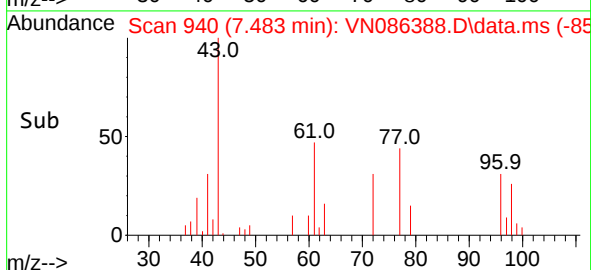
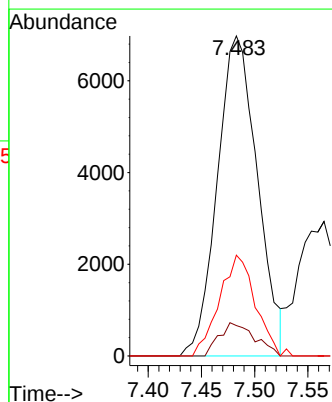
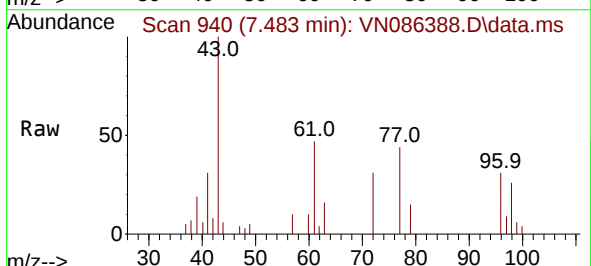
RT: 7.483 min Scan# 940

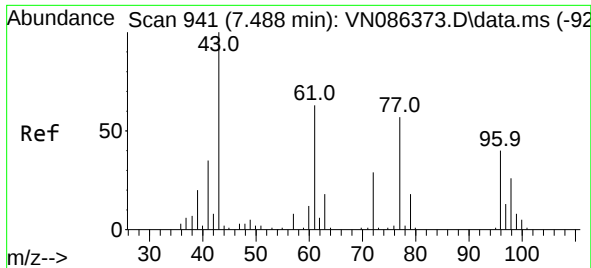
Delta R.T. 0.006 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

Tgt Ion:	43	Resp:	18250
Ion Ratio	100	Lower	Upper
43	100		
57	9.2	6.6	10.0
72	28.1	22.2	33.4





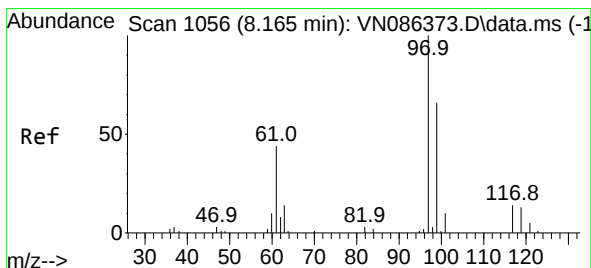
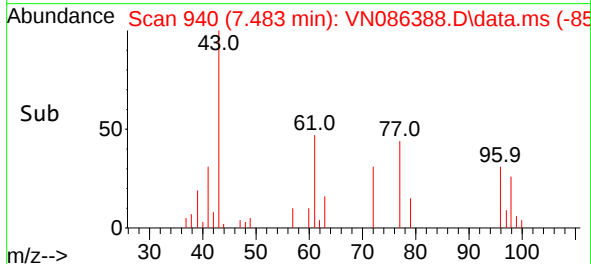
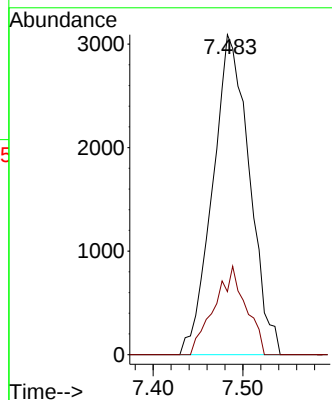
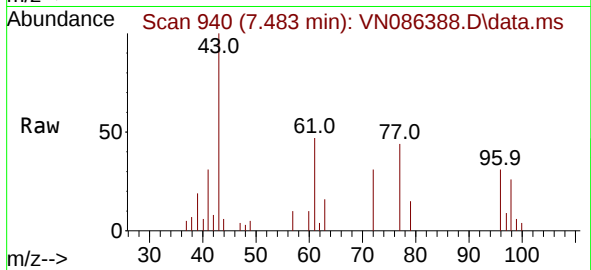
#31
2,2-Dichloropropane
Concen: 2.352 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 77 Resp: 8790
Ion Ratio Lower Upper
77 100
97 23.8 18.2 27.2

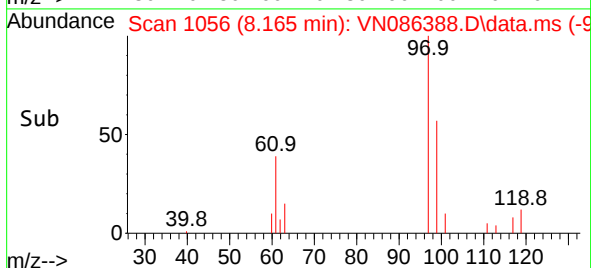
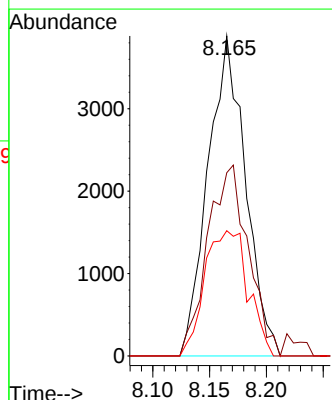
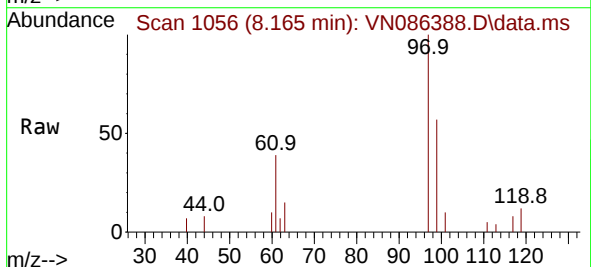
Manual Integrations
APPROVED

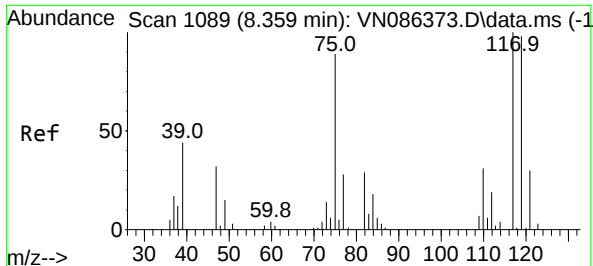
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 2.569 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

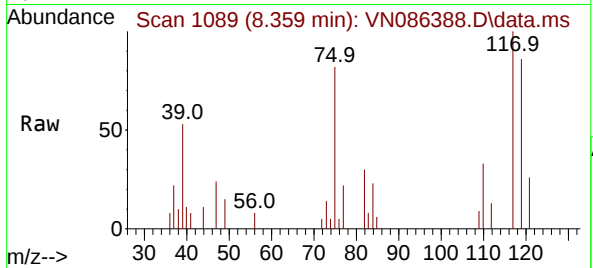
Tgt Ion: 97 Resp: 8923
Ion Ratio Lower Upper
97 100
99 64.7 52.6 79.0
61 45.3 36.4 54.6





#33
Carbon Tetrachloride
Concen: 2.612 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

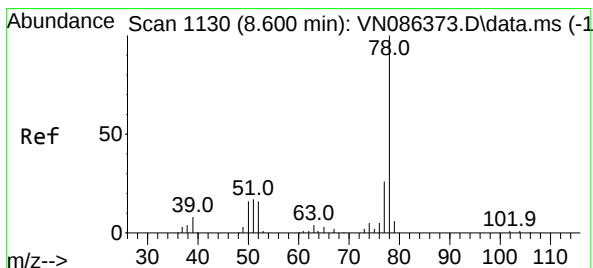
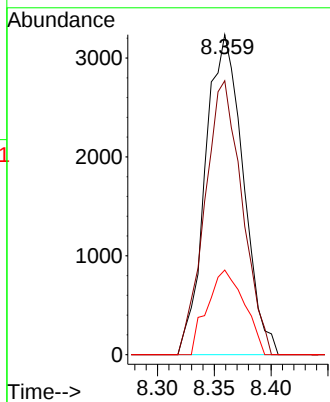
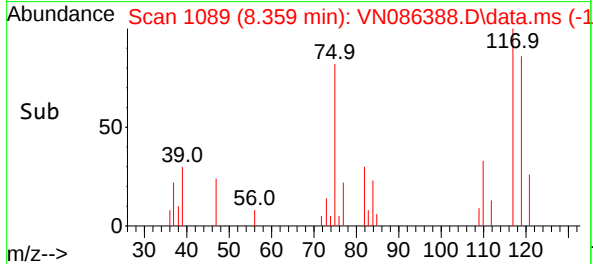
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



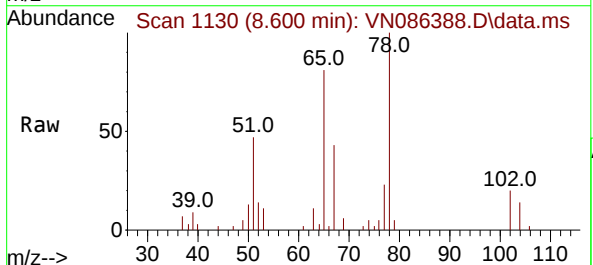
Tgt Ion: 117 Resp: 7470
Ion Ratio Lower Upper
117 100
119 85.6 78.6 117.8
121 26.5 24.0 36.0

Manual Integrations
APPROVED

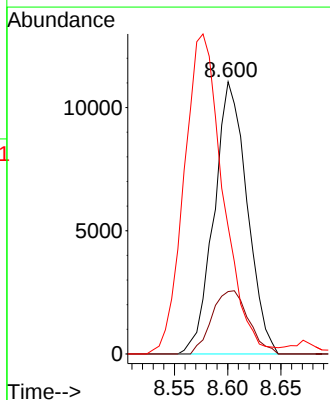
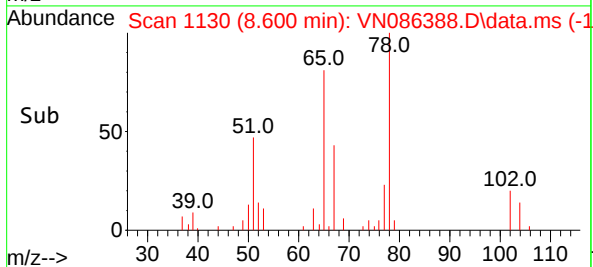
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

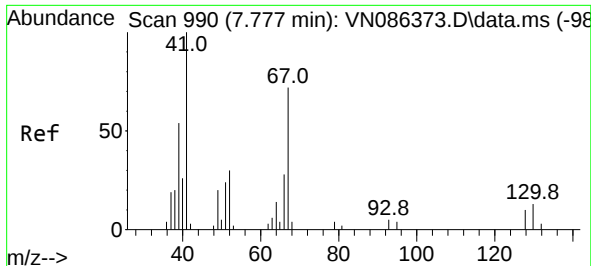


#34
Benzene
Concen: 2.579 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



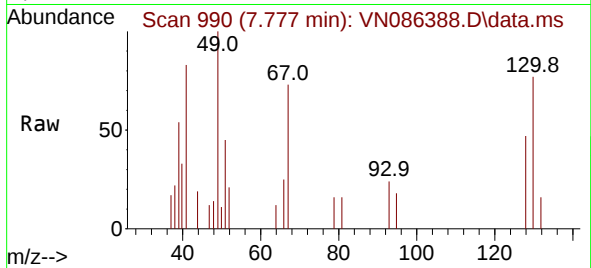
Tgt Ion: 78 Resp: 23841
Ion Ratio Lower Upper
78 100
77 22.9 20.8 31.2
51 44.5 14.0 21.0#





#35
Methacrylonitrile
Concen: 2.713 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

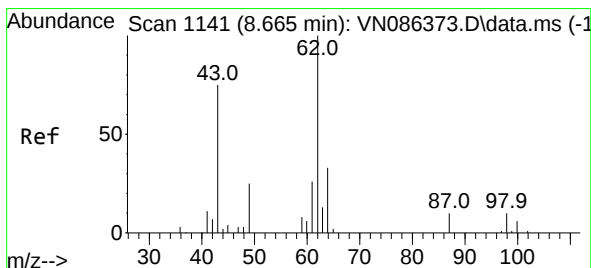
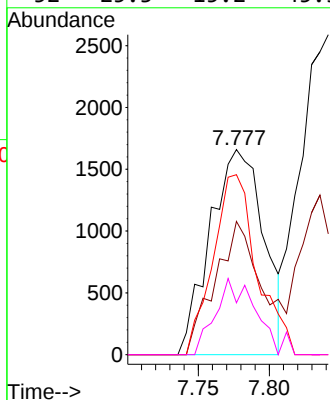
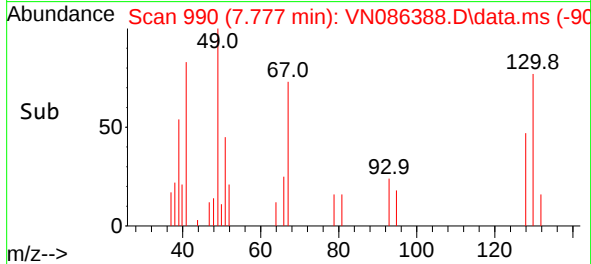
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion:	41	Resp:	436
Ion Ratio	100	Lower	Upper
41	100		
39	65.0	27.0	80.8
67	87.8	35.8	107.3
52	25.3	15.2	45.5

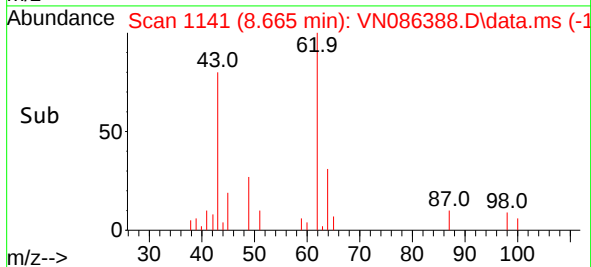
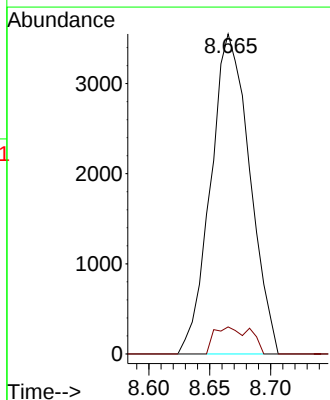
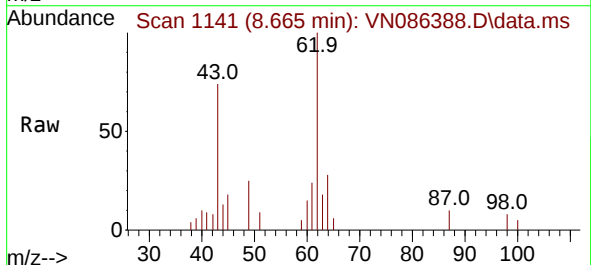
Manual Integrations
APPROVED

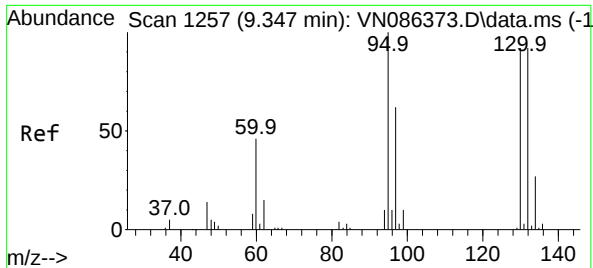
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#36
1,2-Dichloroethane
Concen: 2.636 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

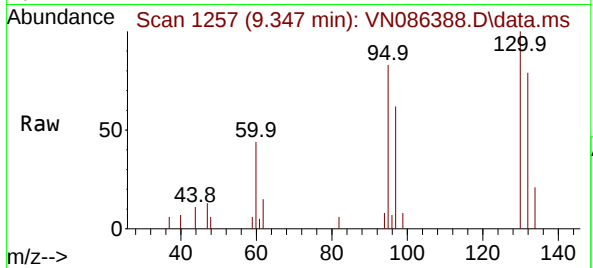
Tgt Ion:	62	Resp:	7912
Ion Ratio	100	Lower	Upper
62	100		
98	2.3	7.6	11.4





#37
Trichloroethene
Concen: 2.657 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

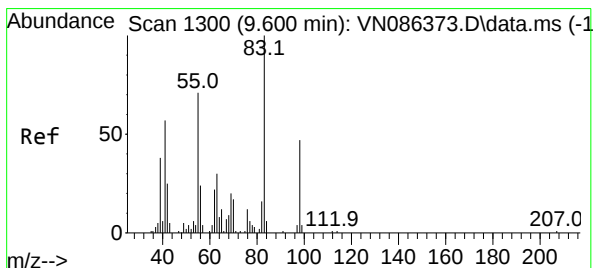
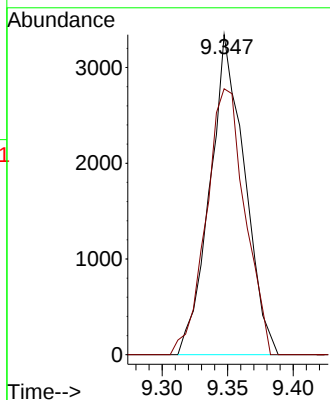
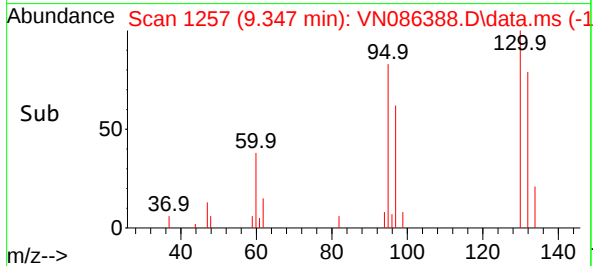
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



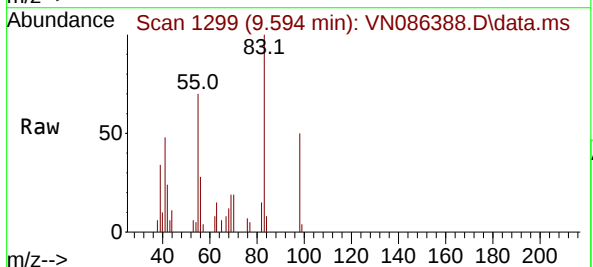
Tgt Ion:130 Resp: 6150
Ion Ratio Lower Upper
130 100
95 83.1 86.6 130.0

Manual Integrations
APPROVED

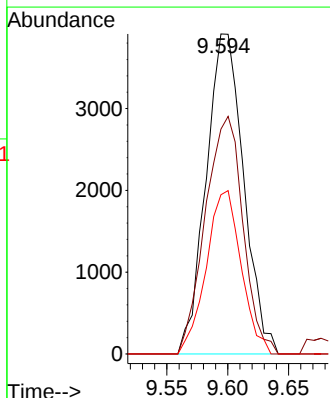
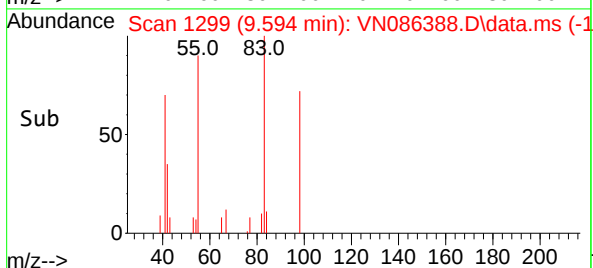
Reviewed By :John Carbone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

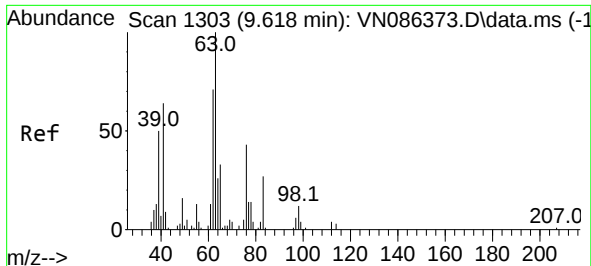


#38
Methylcyclohexane
Concen: 2.503 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



Tgt Ion: 83 Resp: 8403
Ion Ratio Lower Upper
83 100
55 74.5 37.3 111.9
98 47.5 23.8 71.5





#39

1,2-Dichloropropane

Concen: 2.674 ug/l

RT: 9.612 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086388.D

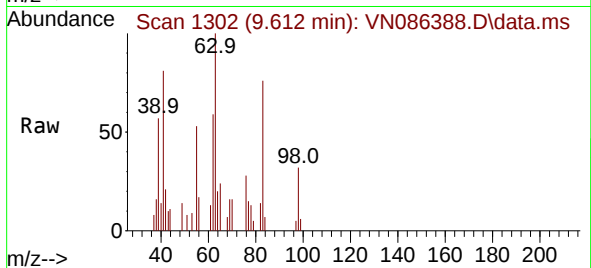
Acq: 23 Apr 2025 17:37

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 63 Resp: 610

Ion Ratio Lower Upper

63 100

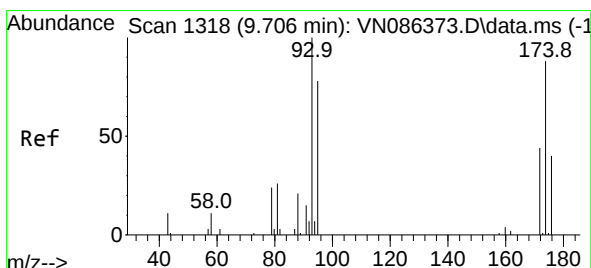
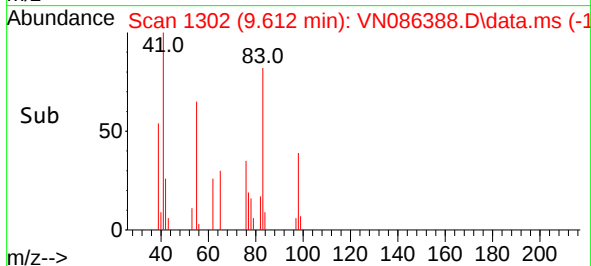
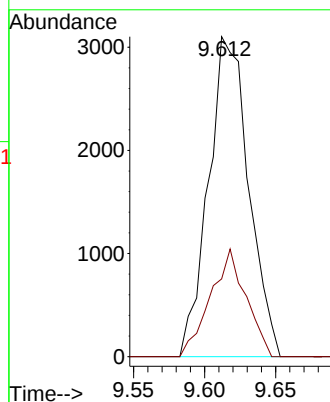
65 24.3 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 2.517 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086388.D

Acq: 23 Apr 2025 17:37

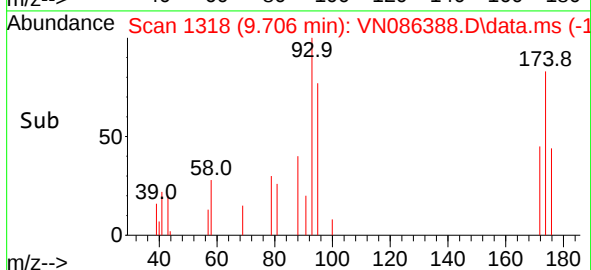
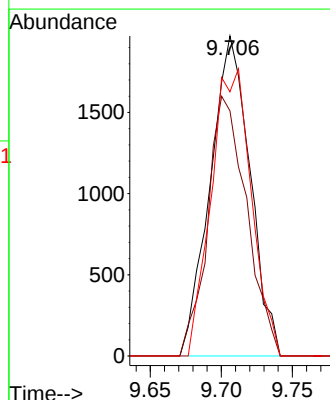
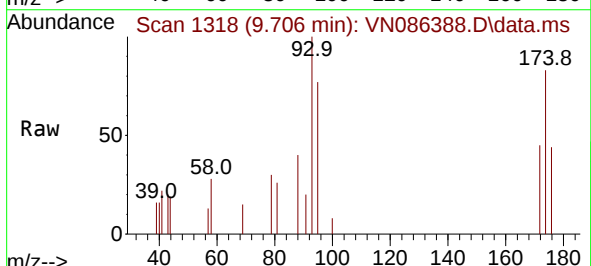
Tgt Ion: 93 Resp: 3845

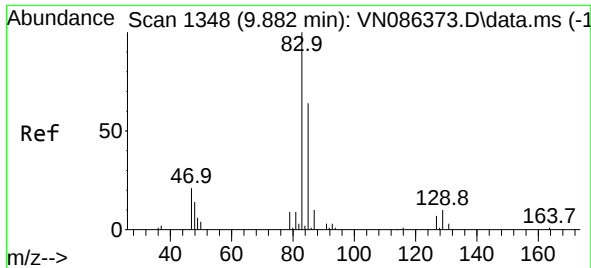
Ion Ratio Lower Upper

93 100

95 79.6 0.0 159.2

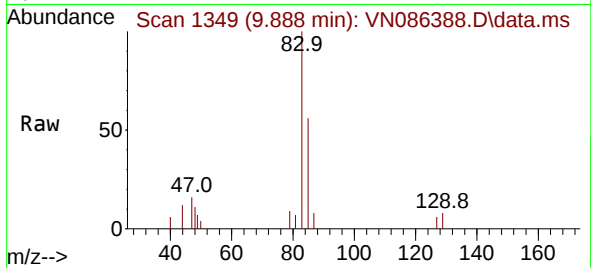
174 90.6 0.0 171.4





#41
Bromodichloromethane
Concen: 2.503 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

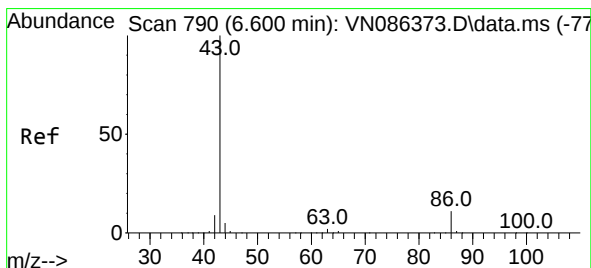
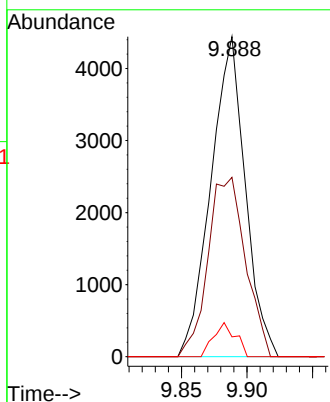
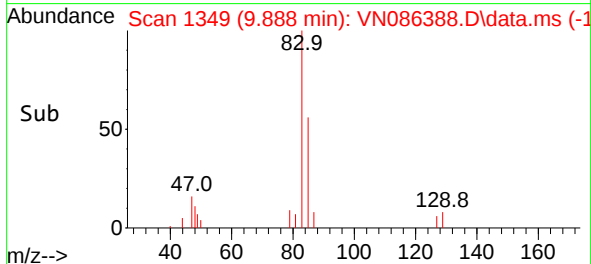
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 83 Resp: 809
Ion Ratio Lower Upper
83 100
85 56.0 51.1 76.7
127 6.2 5.9 8.9

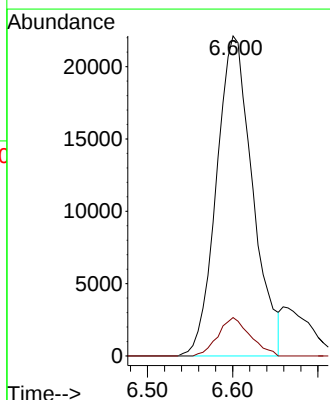
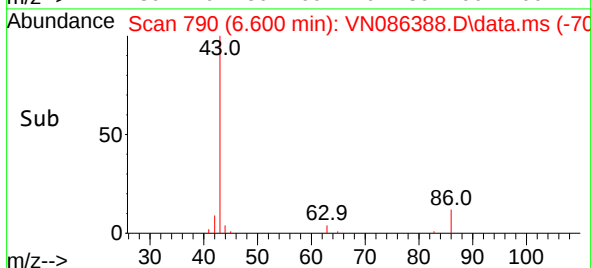
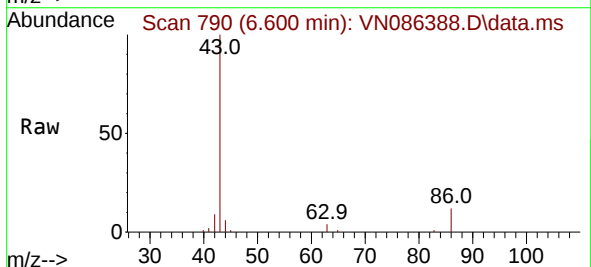
Manual Integrations
APPROVED

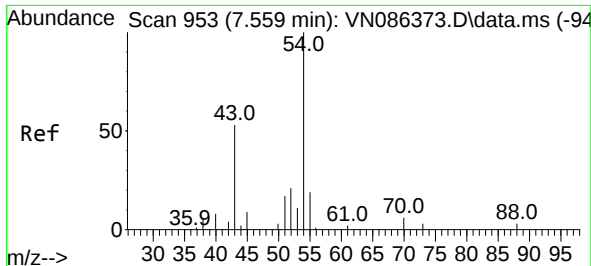
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 13.352 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

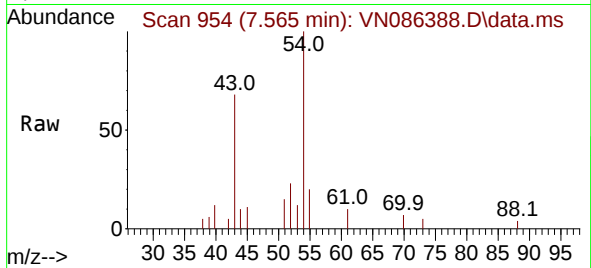
Tgt Ion: 43 Resp: 65256
Ion Ratio Lower Upper
43 100
86 10.6 8.9 13.3





#43
Ethyl Acetate
Concen: 2.678 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

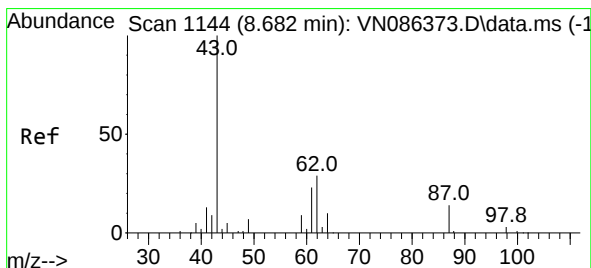
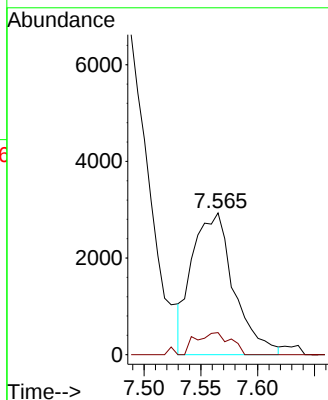
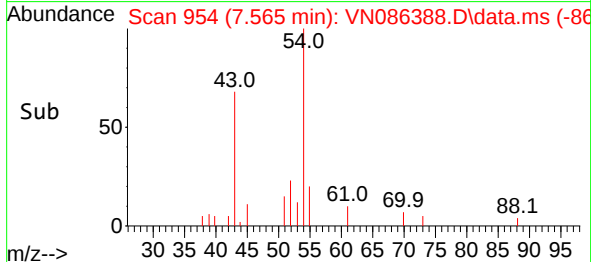
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 43 Resp: 7470
Ion Ratio Lower Upper
43 100
45 3.8 11.4 17.2

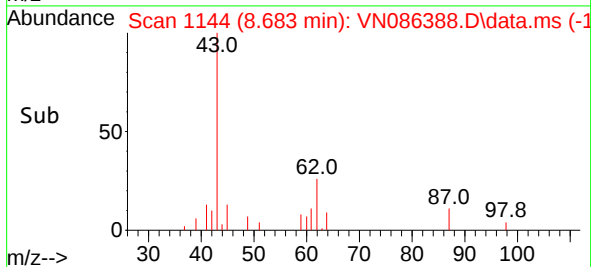
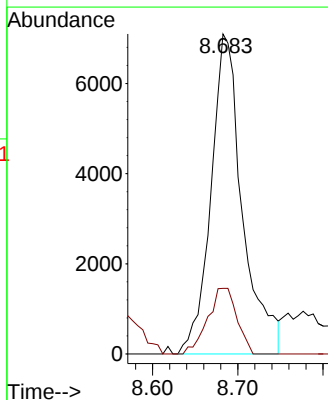
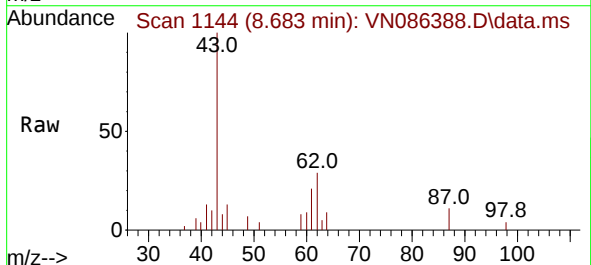
Manual Integrations
APPROVED

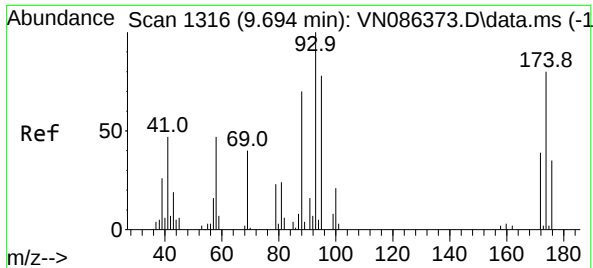
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#44
Isopropyl Acetate
Concen: 3.447 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

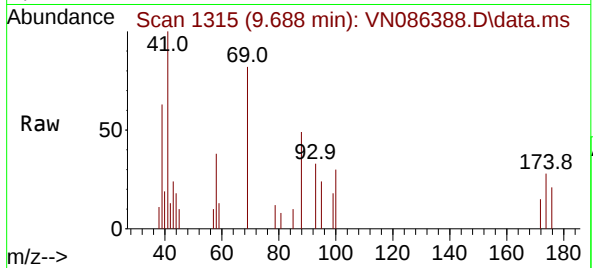
Tgt Ion: 43 Resp: 18266
Ion Ratio Lower Upper
43 100
61 19.0 21.0 31.4





#45
 1,4-Dioxane
 Concen: 59.791 ug/l
 RT: 9.688 min Scan# 1315
 Delta R.T. -0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

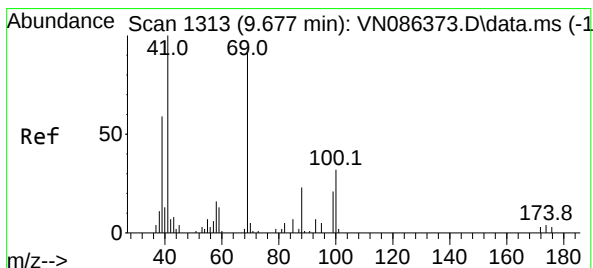
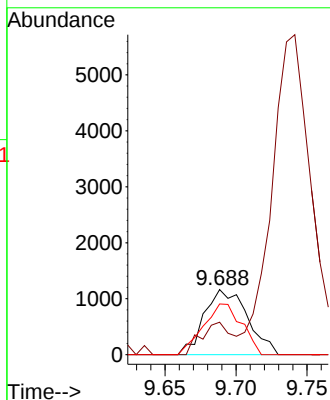
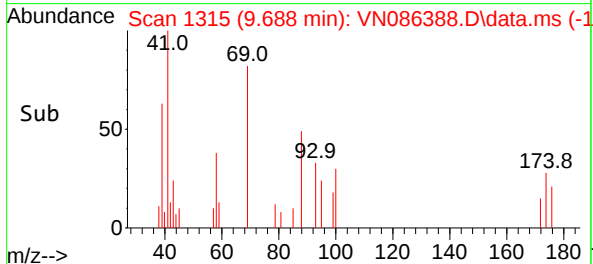
Instrument : MSVOA_N
 ClientSampleId : LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 88 Resp: 2472
 Ion Ratio Lower Upper
 88 100
 43 34.9 24.9 37.3
 58 68.9 57.8 86.8

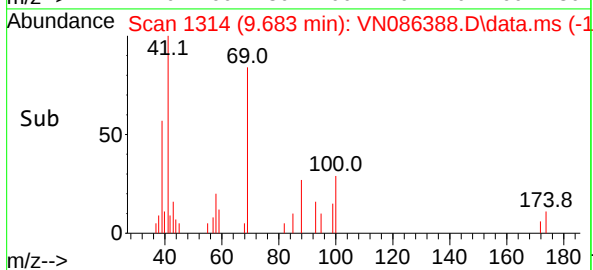
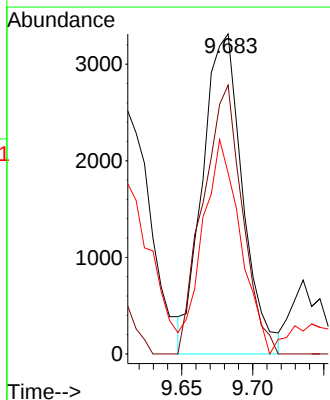
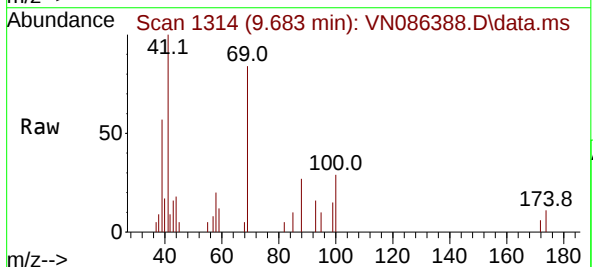
Manual Integrations
 APPROVED

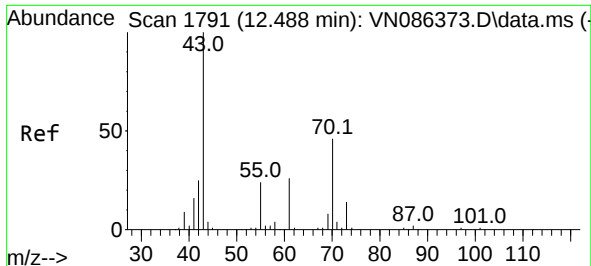
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025



#46
 Methyl methacrylate
 Concen: 2.643 ug/l
 RT: 9.683 min Scan# 1314
 Delta R.T. 0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

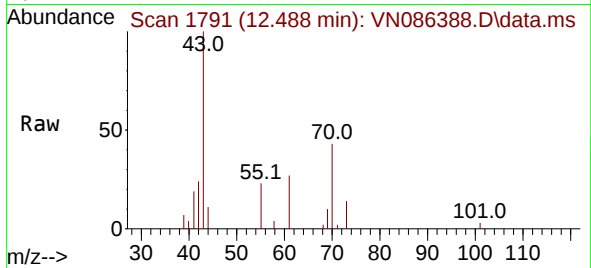
Tgt Ion: 41 Resp: 6460
 Ion Ratio Lower Upper
 41 100
 69 89.9 44.1 132.3
 39 55.7 30.0 90.1





#47
n-amy1 Acetate
Concen: 2.390 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

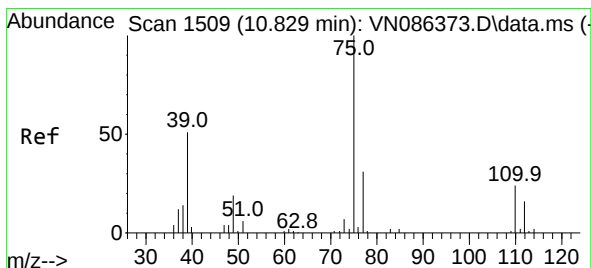
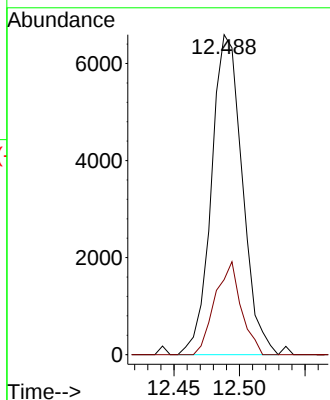
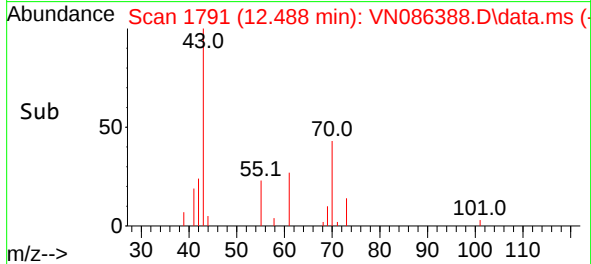
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 43 Resp: 10794
Ion Ratio Lower Upper
43 100
55 24.6 19.4 29.0

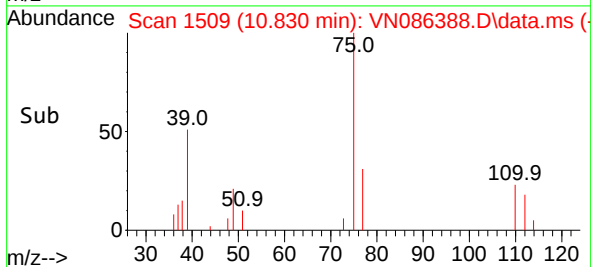
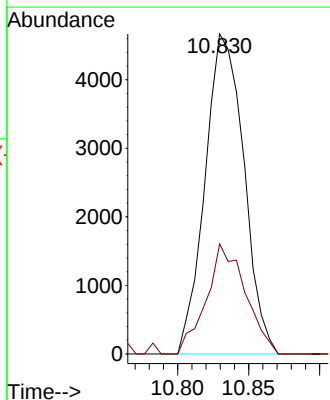
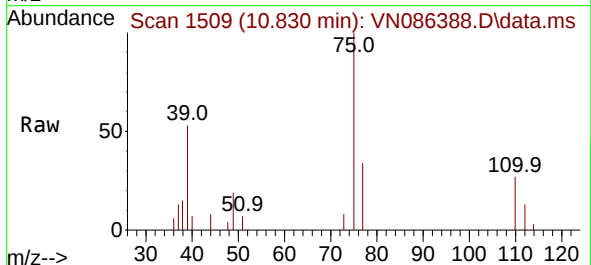
Manual Integrations
APPROVED

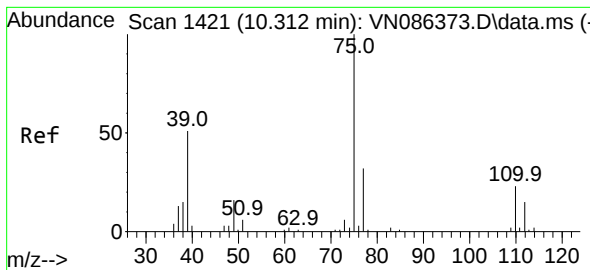
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#48
t-1,3-Dichloropropene
Concen: 2.453 ug/l
RT: 10.830 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

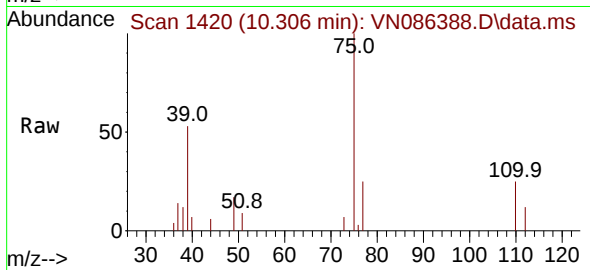
Tgt Ion: 75 Resp: 8865
Ion Ratio Lower Upper
75 100
77 34.4 24.4 36.6





#49
cis-1,3-Dichloropropene
Concen: 2.424 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

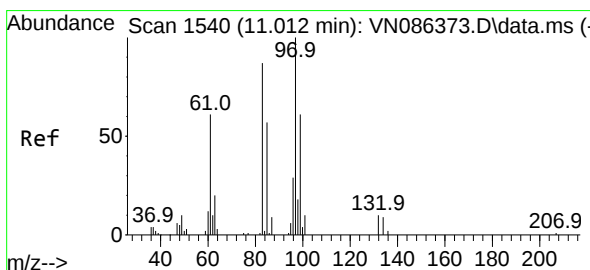
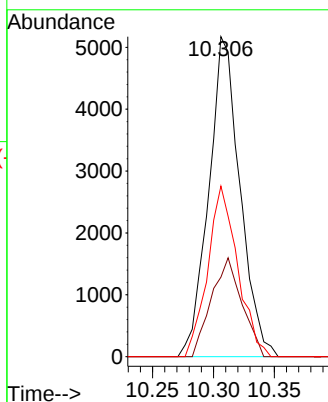
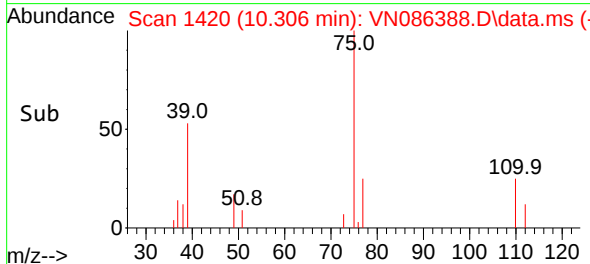
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 75 Resp: 9238
Ion Ratio Lower Upper
75 100
77 24.8 25.6 38.4
39 53.3 40.6 60.8

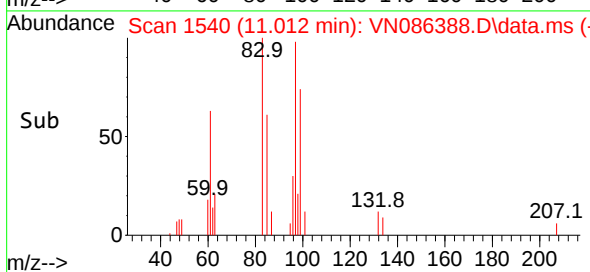
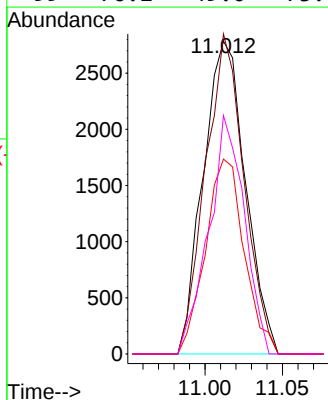
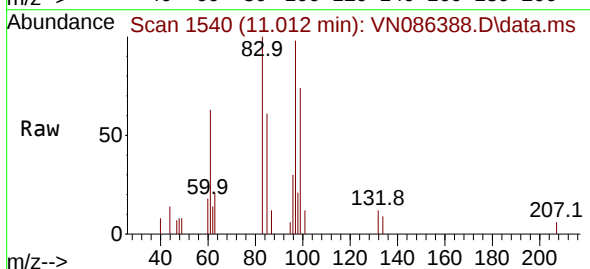
Manual Integrations
APPROVED

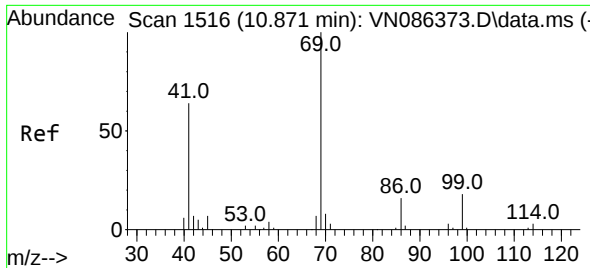
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#50
1,1,2-Trichloroethane
Concen: 2.469 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

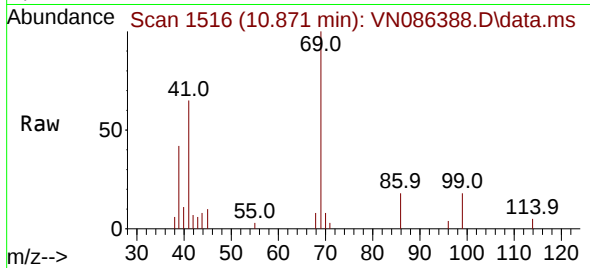
Tgt Ion: 97 Resp: 5268
Ion Ratio Lower Upper
97 100
83 102.3 69.3 103.9
85 62.3 45.5 68.3
99 76.2 49.0 73.6#





#51
Ethyl methacrylate
Concen: 2.396 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

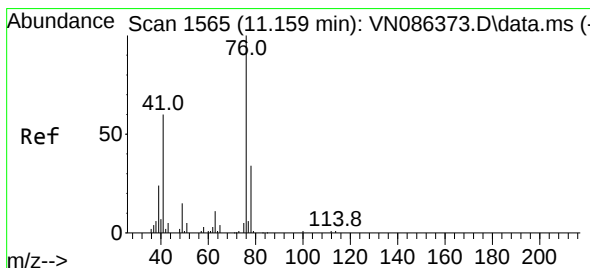
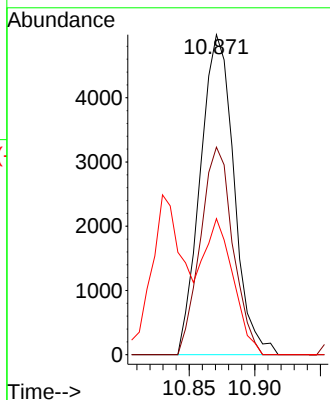
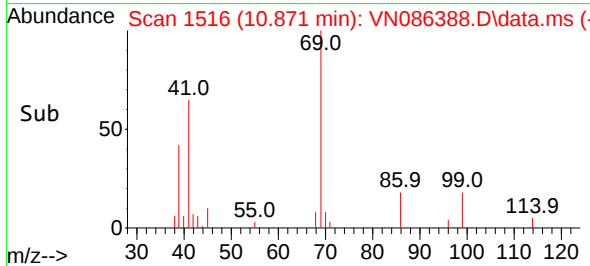
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 69 Resp: 890
Ion Ratio Lower Upper
69 100
41 64.9 32.3 96.8
39 42.5 19.1 57.1

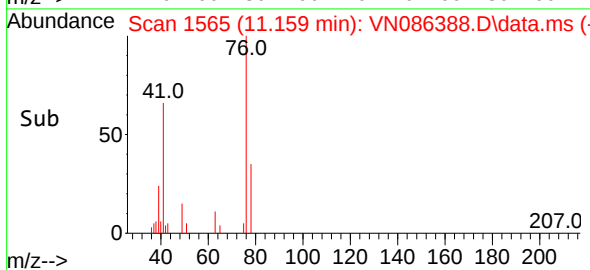
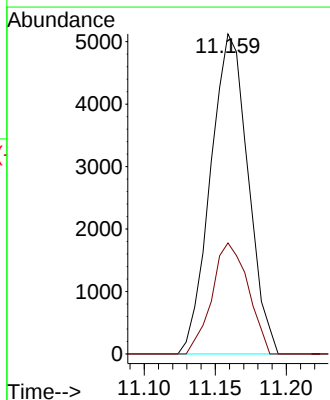
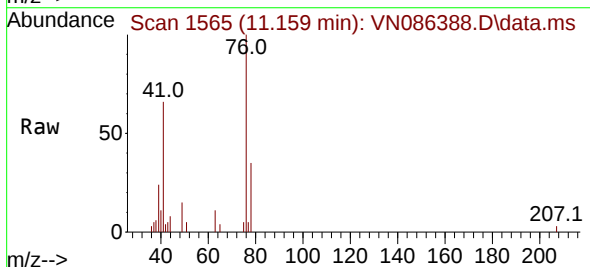
Manual Integrations
APPROVED

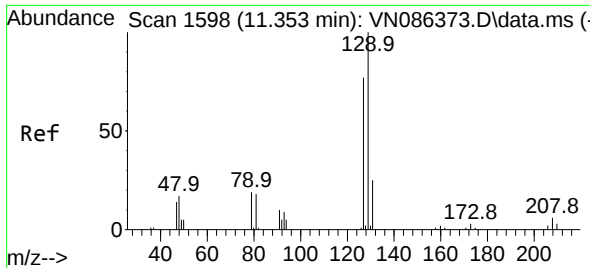
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 2.495 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 76 Resp: 9407
Ion Ratio Lower Upper
76 100
78 33.4 0.0 65.6





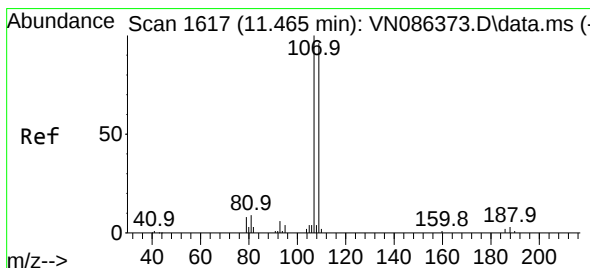
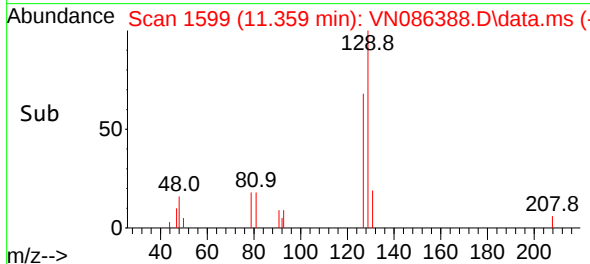
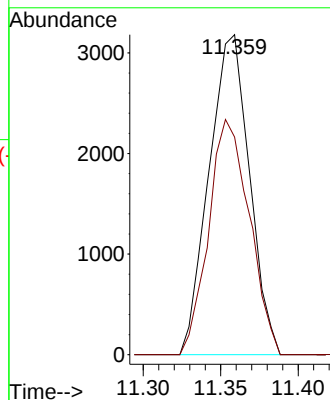
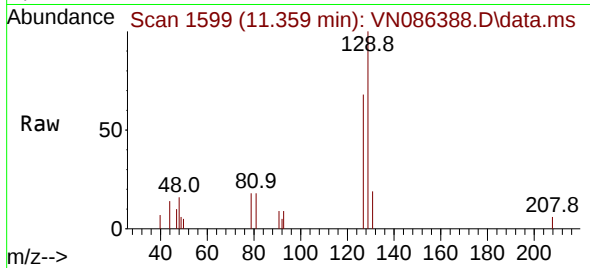
#53
Dibromochloromethane
Concen: 2.411 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025

Tgt Ion:129 Resp: 5770
Ion Ratio Lower Upper
129 100
127 74.0 38.8 116.3

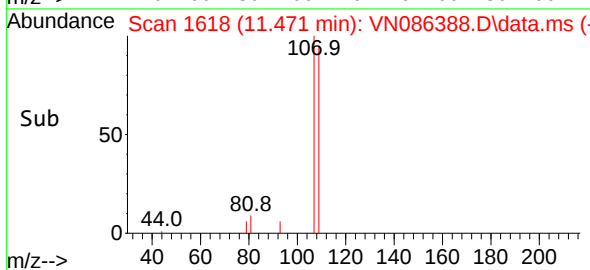
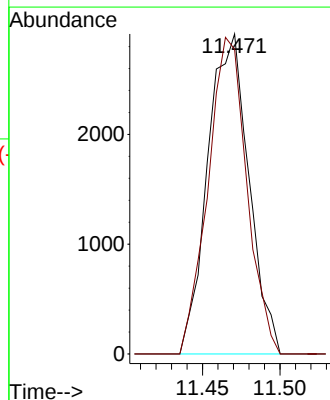
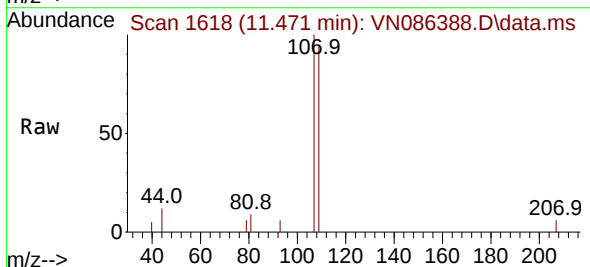
Manual Integrations
APPROVED

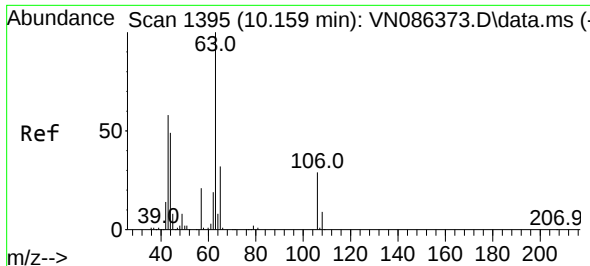
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#54
1,2-Dibromoethane
Concen: 2.473 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

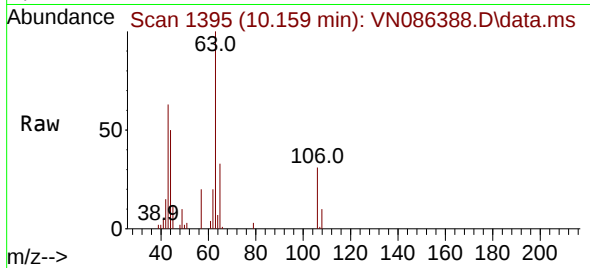
Tgt Ion:107 Resp: 5364
Ion Ratio Lower Upper
107 100
109 93.6 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 11.782 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

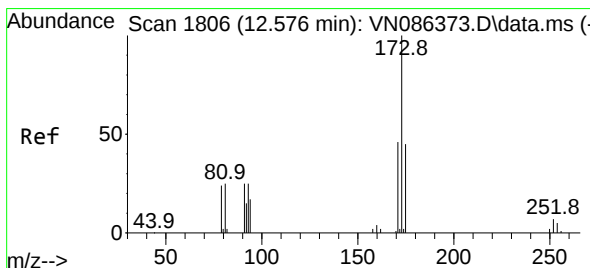
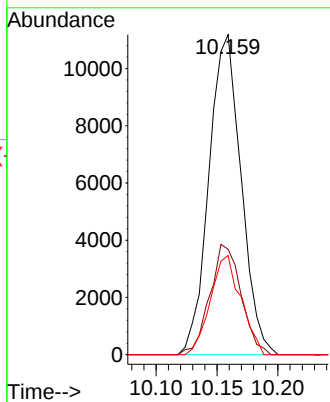
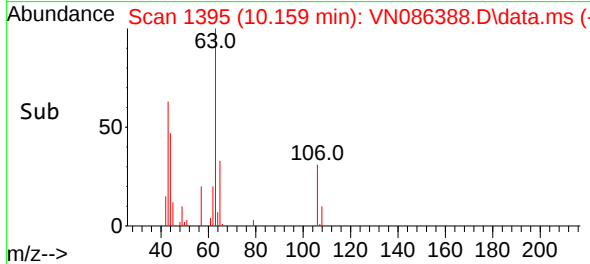
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 63 Resp: 2058
Ion Ratio Lower Upper
63 100
65 33.4 25.7 38.5
106 29.4 22.3 33.5

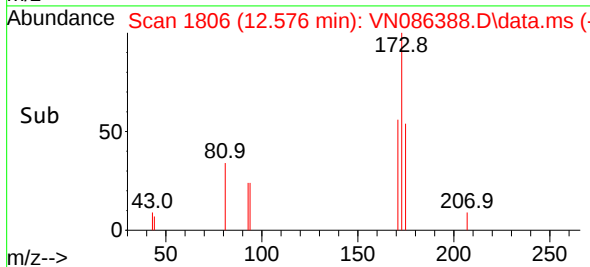
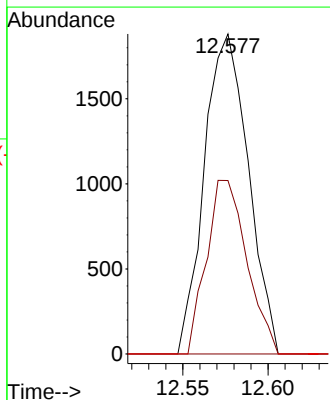
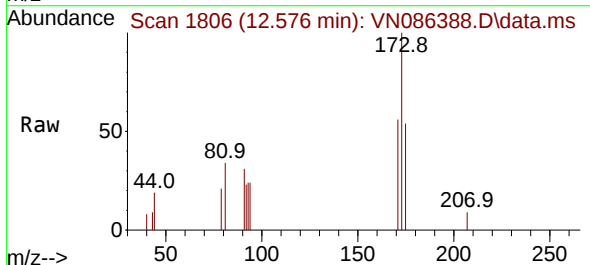
Manual Integrations
APPROVED

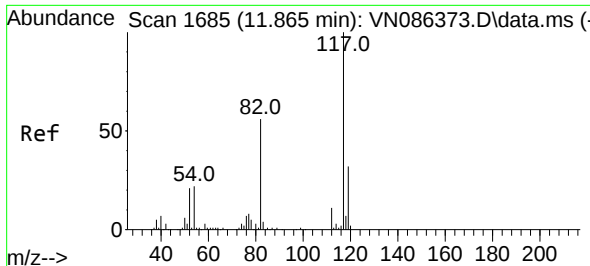
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 2.173 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

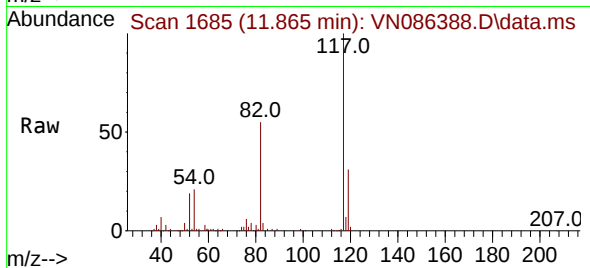
Tgt Ion:173 Resp: 3378
Ion Ratio Lower Upper
173 100
175 49.8 39.0 58.6
254 0.0 3.8 5.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

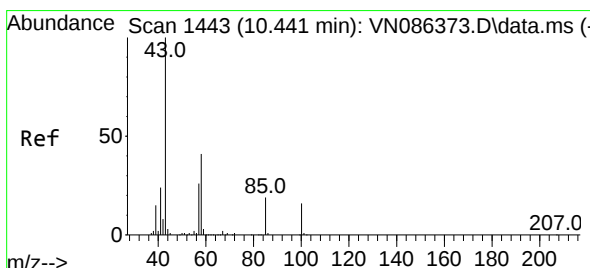
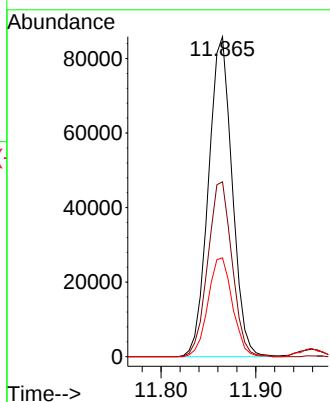
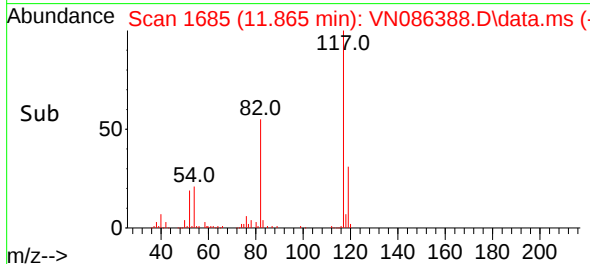
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion:117 Resp: 149654
Ion Ratio Lower Upper
117 100
82 55.9 45.5 68.3
119 31.7 25.9 38.9

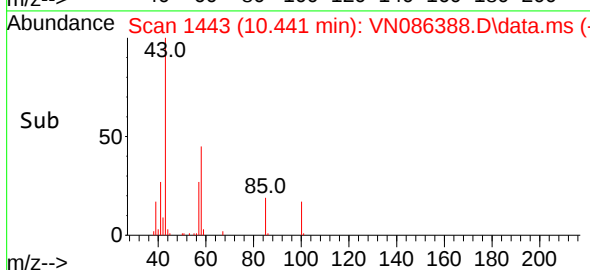
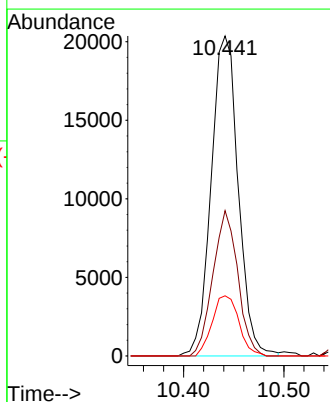
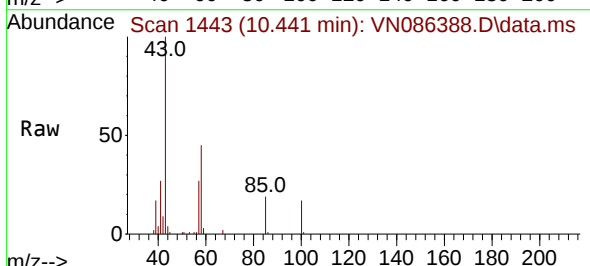
Manual Integrations
APPROVED

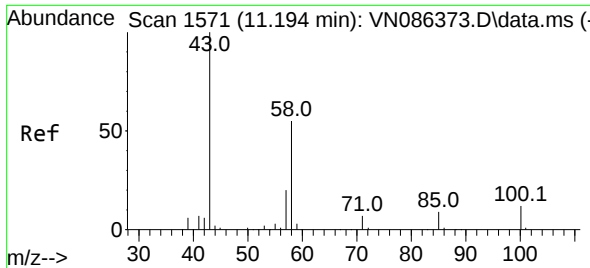
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 13.165 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

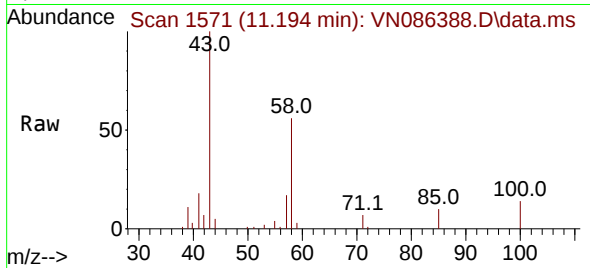
Tgt Ion: 43 Resp: 38126
Ion Ratio Lower Upper
43 100
58 41.8 33.0 49.6
85 18.6 14.9 22.3





#59
2-Hexanone
Concen: 13.087 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

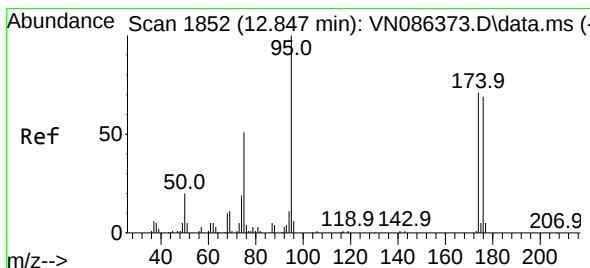
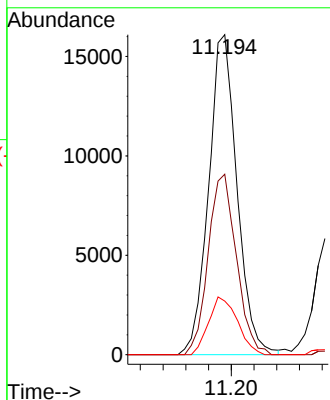
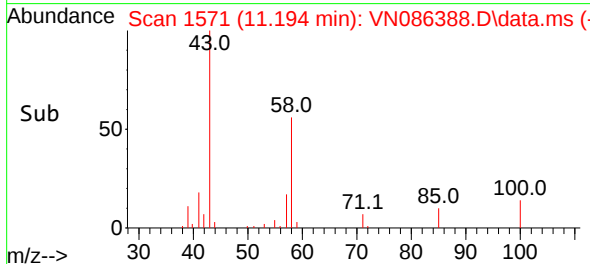
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



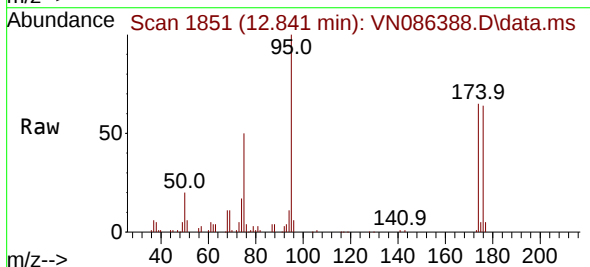
Tgt Ion: 43 Resp: 27929
Ion Ratio Lower Upper
43 100
58 56.0 45.0 67.6
57 18.3 15.5 23.3

Manual Integrations
APPROVED

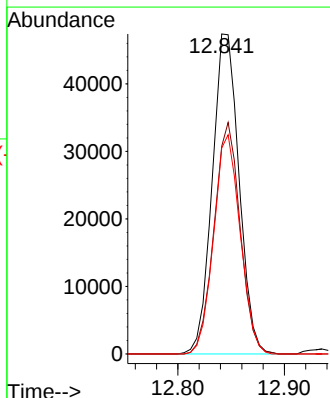
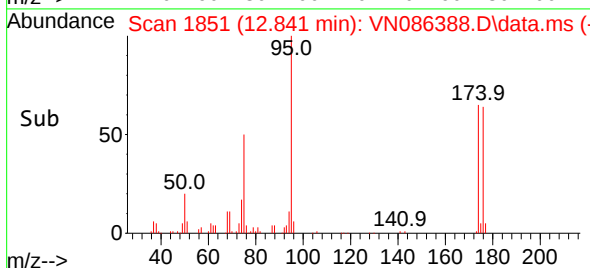
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

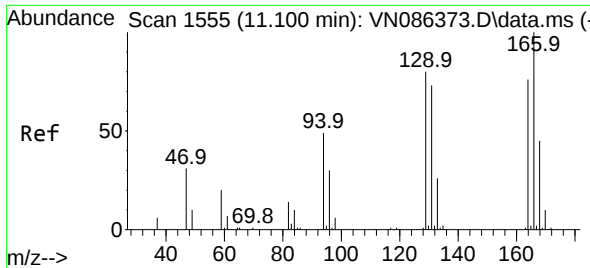


#60
4-Bromofluorobenzene
Concen: 28.138 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



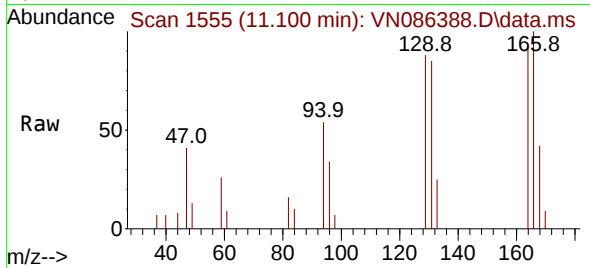
Tgt Ion: 95 Resp: 82763
Ion Ratio Lower Upper
95 100
174 70.3 56.6 84.8
176 67.6 53.3 79.9





#61
Tetrachloroethene
Concen: 2.549 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

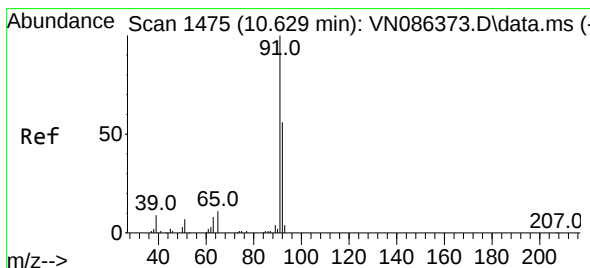
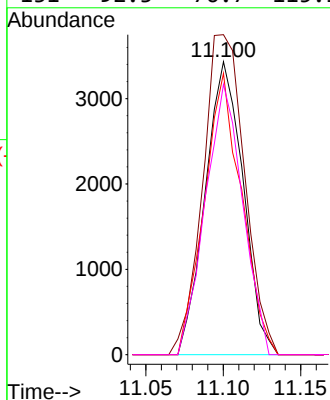
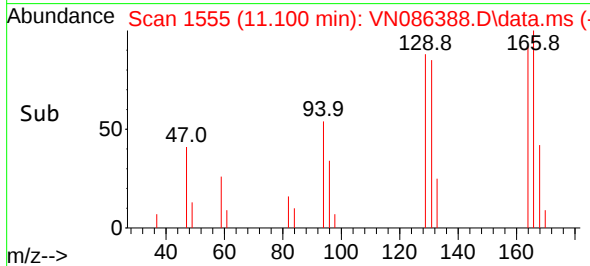
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



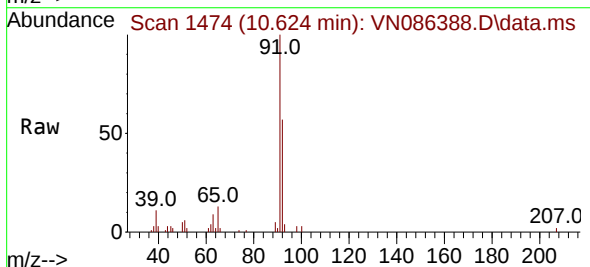
Tgt Ion:164 Resp: 5818
Ion Ratio Lower Upper
164 100
166 109.2 105.0 157.4
129 96.0 83.9 125.9
131 92.3 76.7 115.1

Manual Integrations
APPROVED

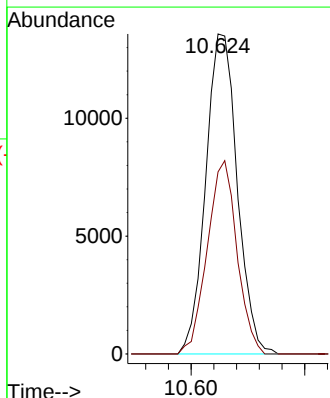
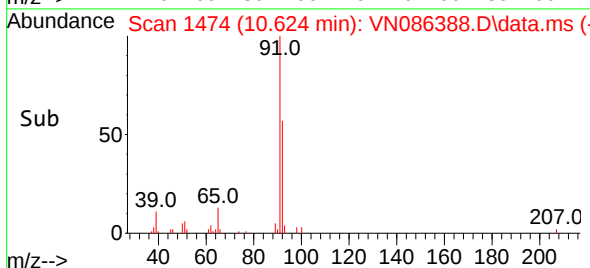
Reviewed By :John Carbone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

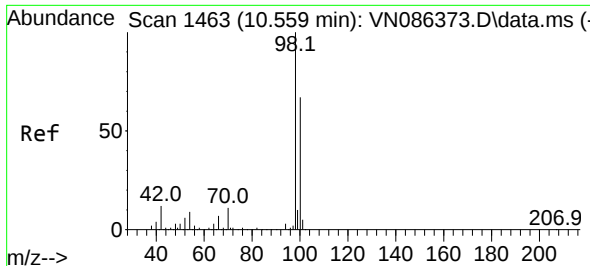


#62
Toluene
Concen: 2.612 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



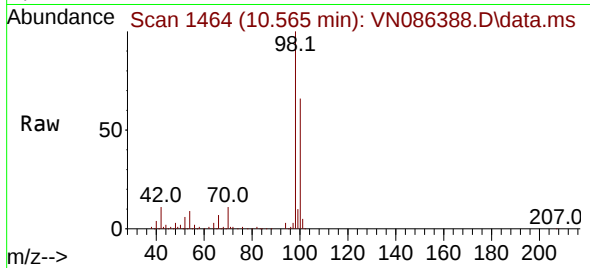
Tgt Ion: 91 Resp: 26164
Ion Ratio Lower Upper
91 100
92 57.0 45.7 68.5





#63
Toluene-d8
Concen: 30.250 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

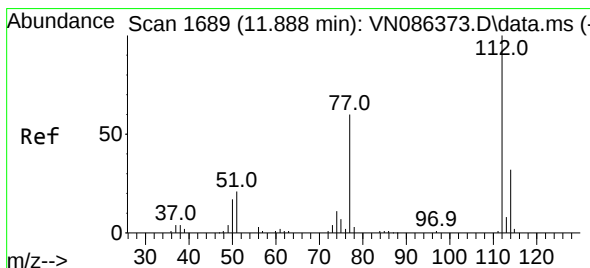
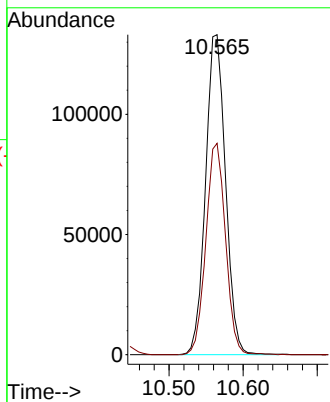
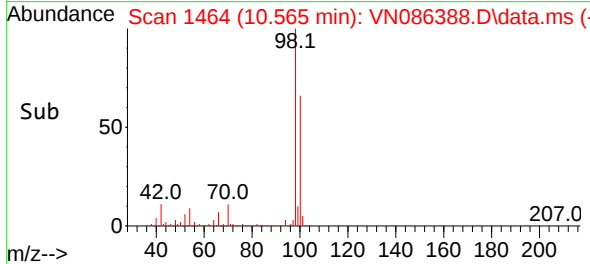
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 98 Resp: 24905
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7

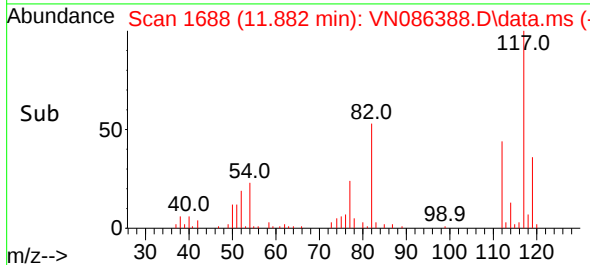
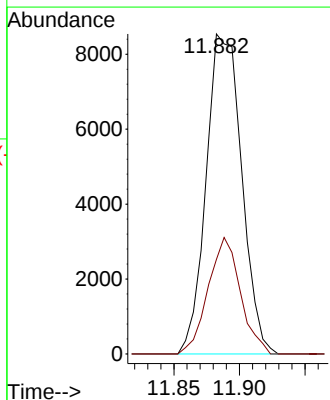
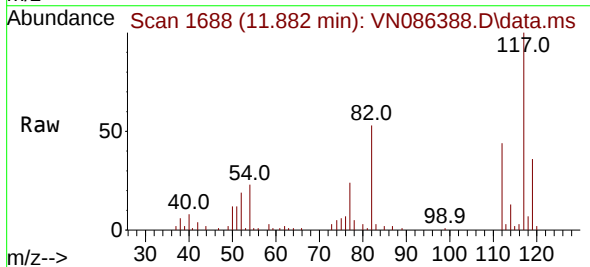
Manual Integrations
APPROVED

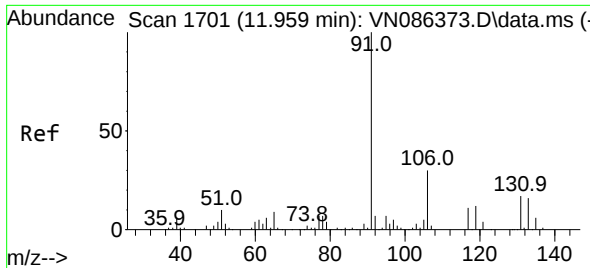
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 2.575 ug/l
RT: 11.882 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion:112 Resp: 16073
Ion Ratio Lower Upper
112 100
114 29.5 25.6 38.4





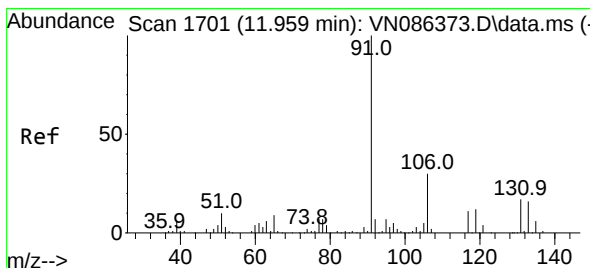
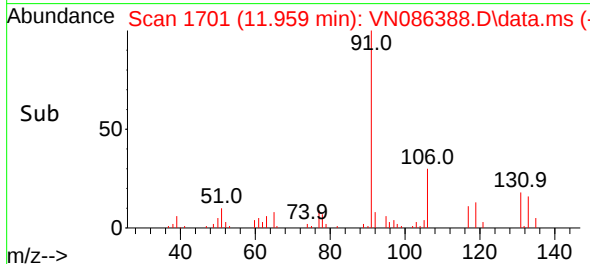
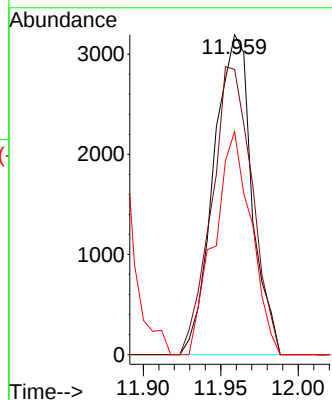
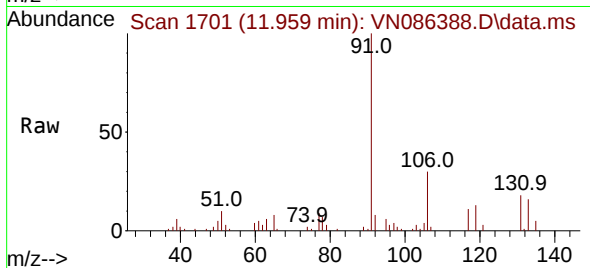
#65
1,1,1,2-Tetrachloroethane
Concen: 2.618 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion:131 Resp: 546
Ion Ratio Lower Upper
131 100
133 95.6 0.0 191.4
119 67.7 0.0 133.6

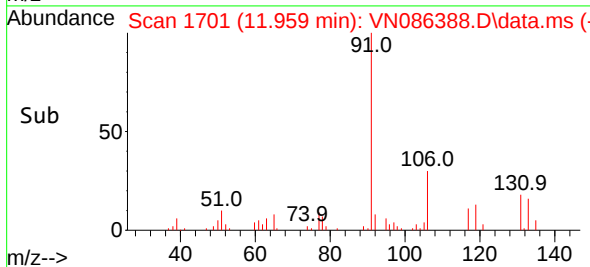
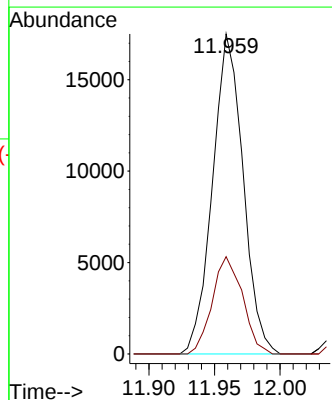
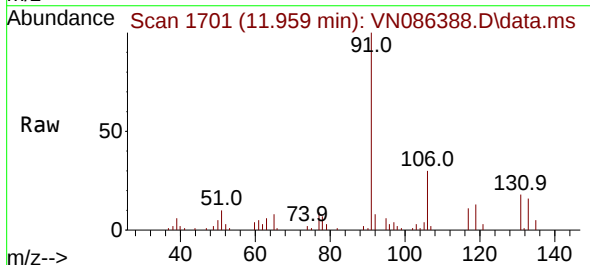
Manual Integrations
APPROVED

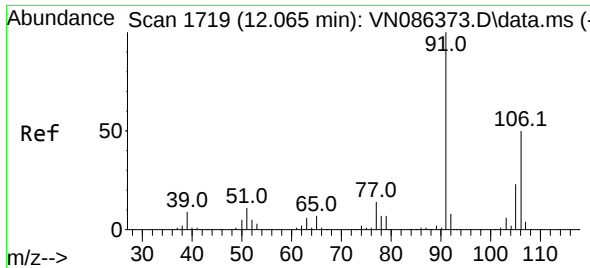
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 2.514 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 91 Resp: 28341
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5





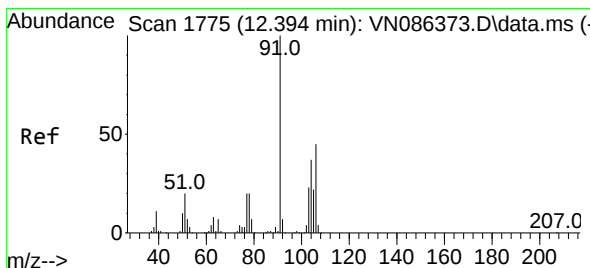
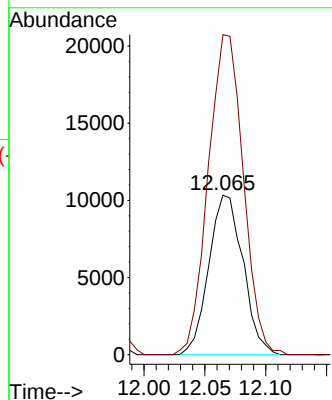
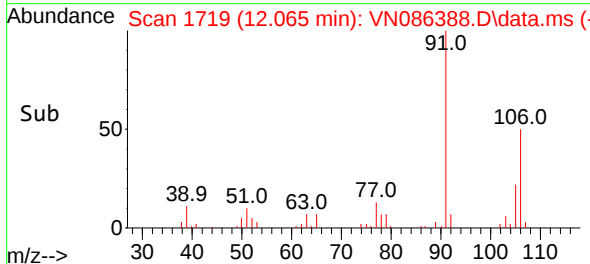
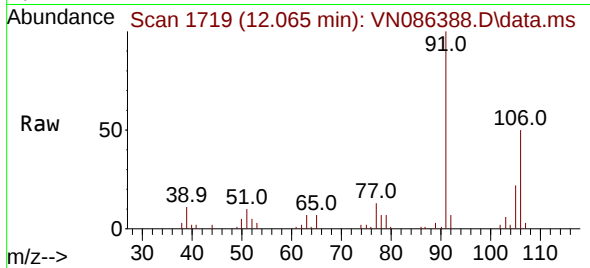
#67
m/p-Xylenes
Concen: 4.720 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion:106 Resp: 2019
Ion Ratio Lower Upper
106 100
91 205.9 162.6 243.8

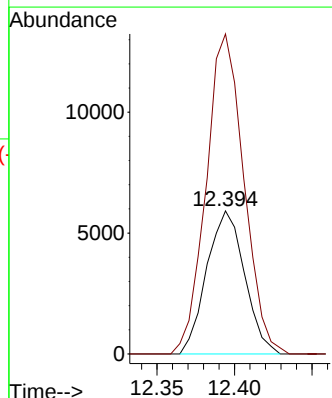
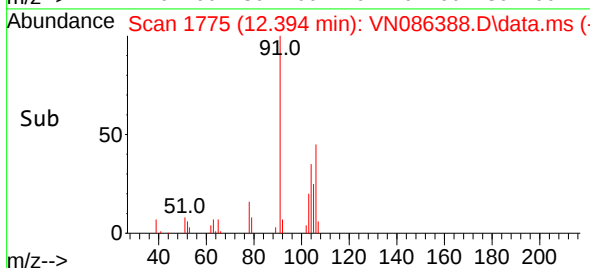
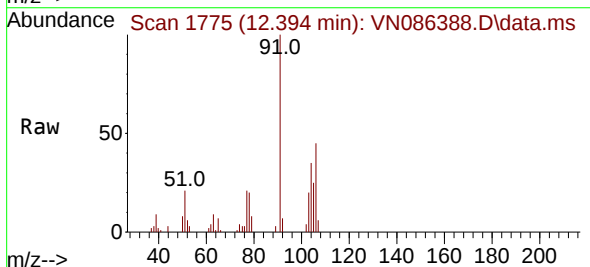
Manual Integrations
APPROVED

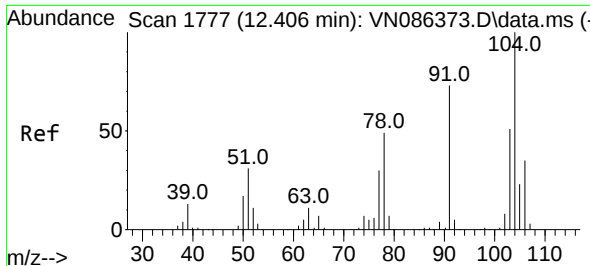
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 2.399 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion:106 Resp: 10048
Ion Ratio Lower Upper
106 100
91 222.6 110.6 331.6





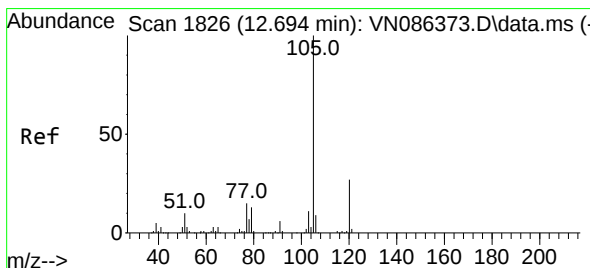
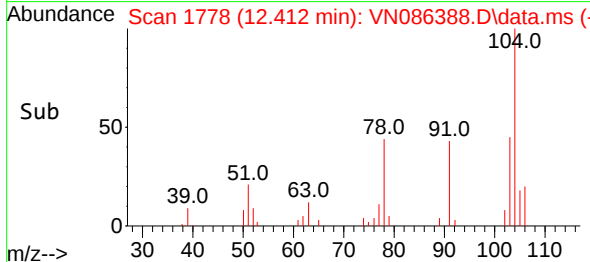
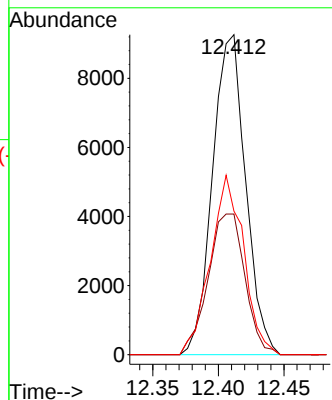
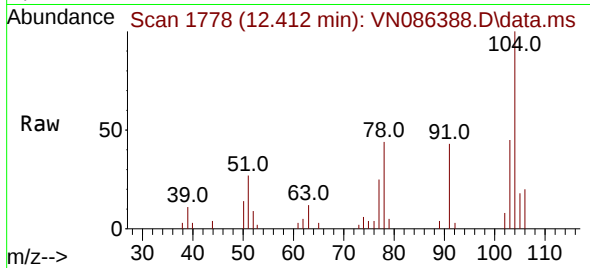
#69
Styrene
Concen: 2.290 ug/l
RT: 12.412 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion:104 Resp: 16250
Ion Ratio Lower Upper
104 100
78 49.0 40.2 60.4
103 56.4 43.8 65.8

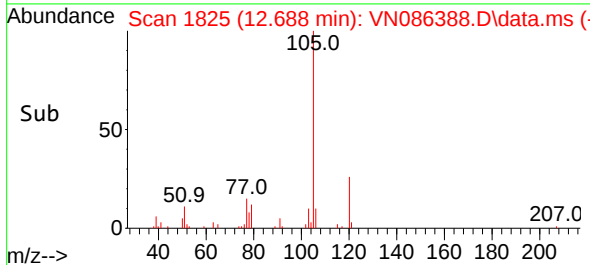
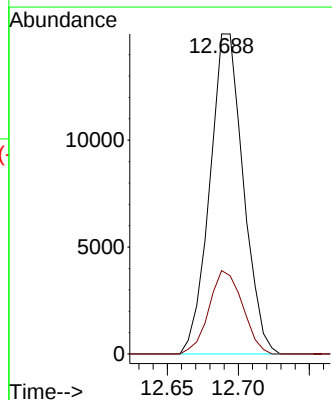
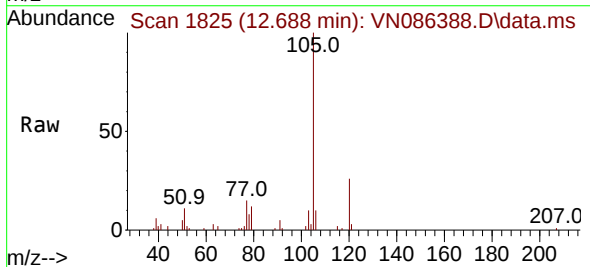
Manual Integrations
APPROVED

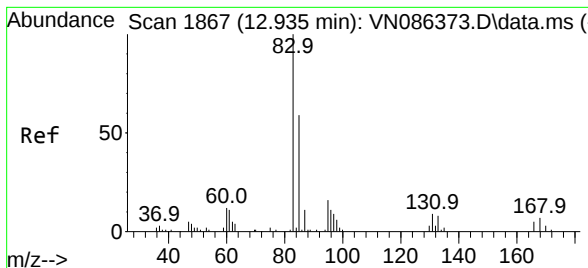
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#70
Isopropylbenzene
Concen: 2.348 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

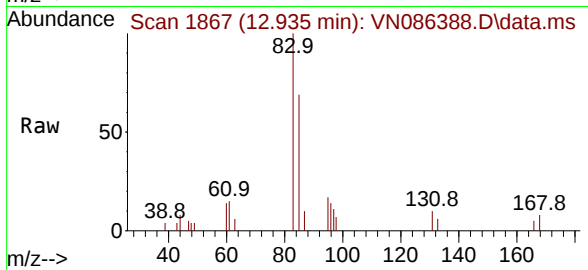
Tgt Ion:105 Resp: 24554
Ion Ratio Lower Upper
105 100
120 26.1 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 2.696 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

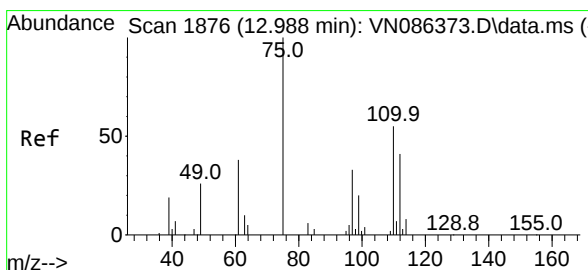
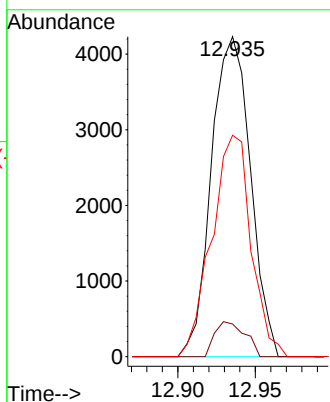
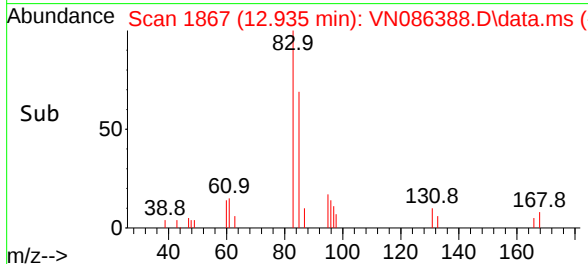
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 83 Resp: 7424
Ion Ratio Lower Upper
83 100
131 8.5 4.5 13.7
85 69.7 31.7 95.1

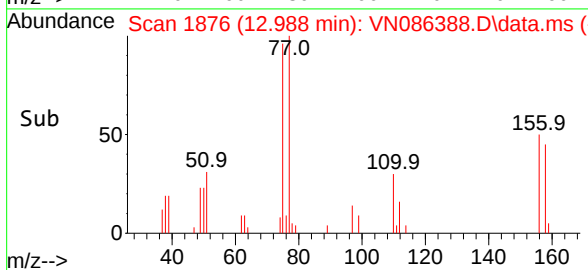
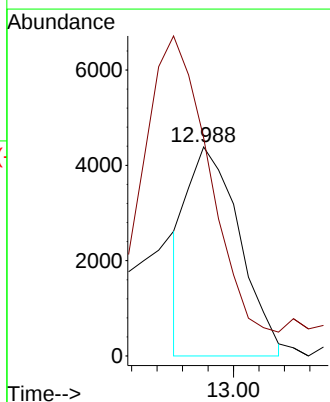
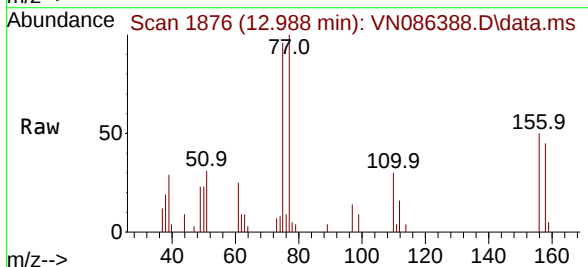
Manual Integrations
APPROVED

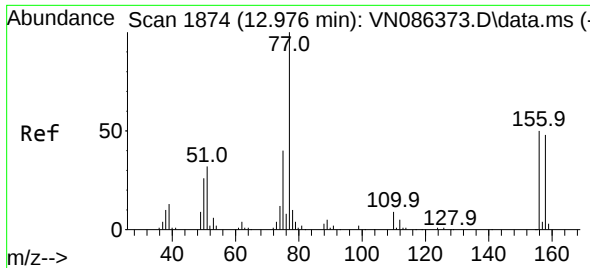
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 2.622 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 75 Resp: 6293
Ion Ratio Lower Upper
75 100
77 211.9 0.0 464.4





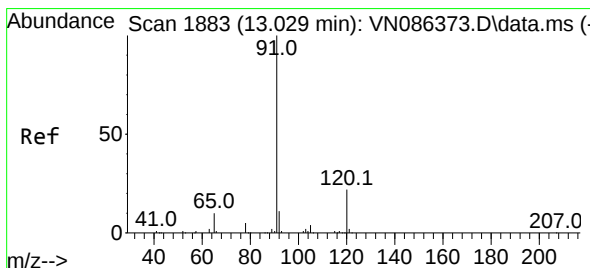
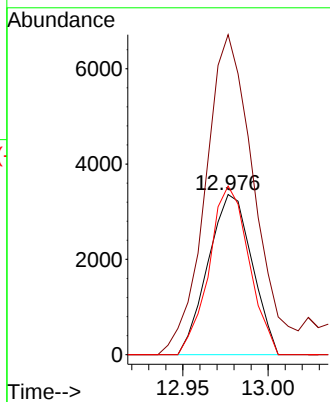
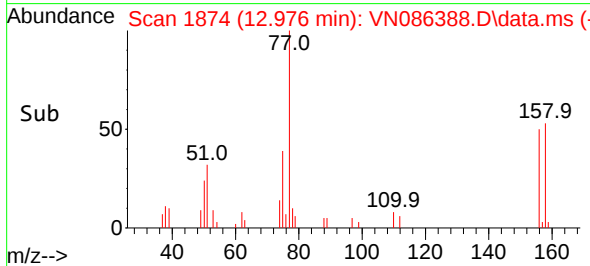
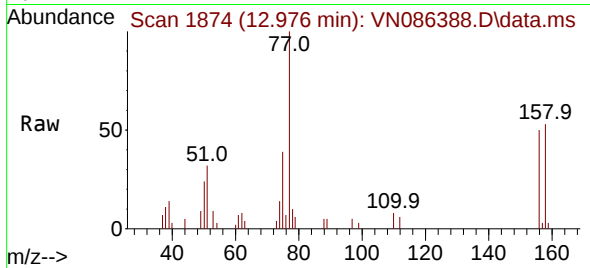
#73
Bromobenzene
Concen: 2.502 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion:156 Resp: 6014
Ion Ratio Lower Upper
156 100
77 221.7 0.0 463.4
158 95.6 0.0 191.8

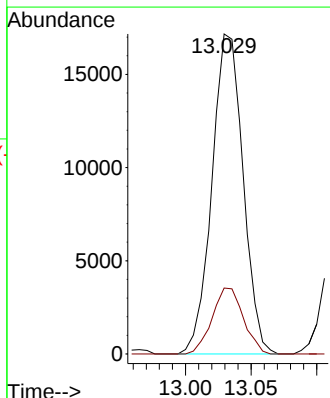
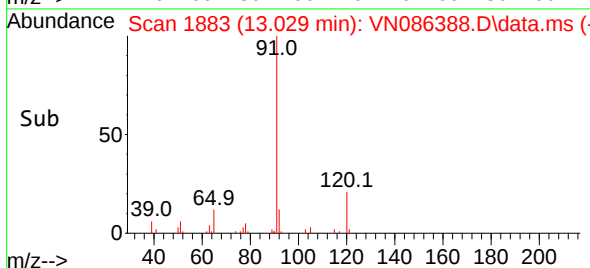
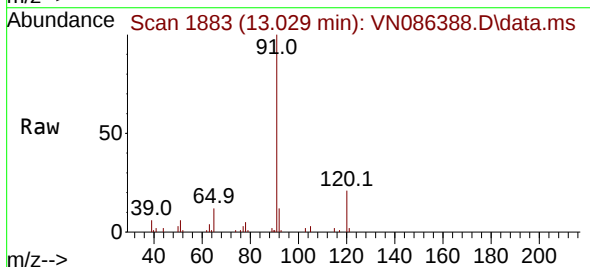
Manual Integrations
APPROVED

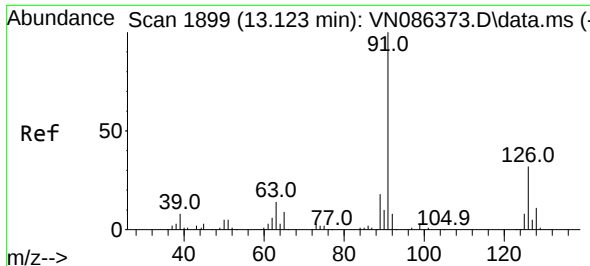
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#74
n-propylbenzene
Concen: 2.280 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 91 Resp: 28332
Ion Ratio Lower Upper
91 100
120 20.7 0.0 43.8





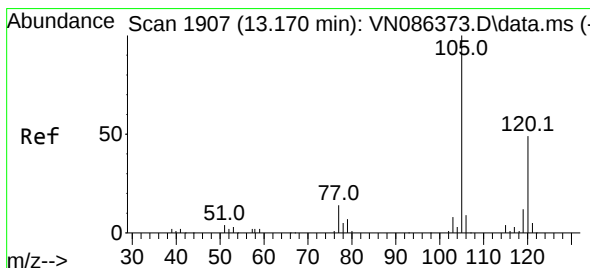
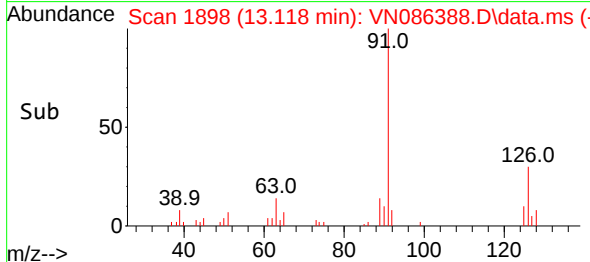
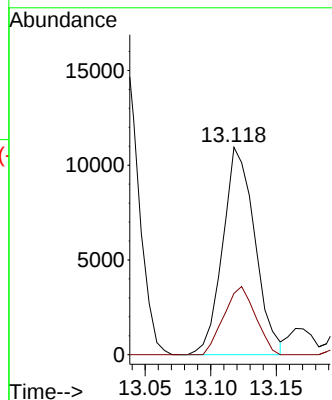
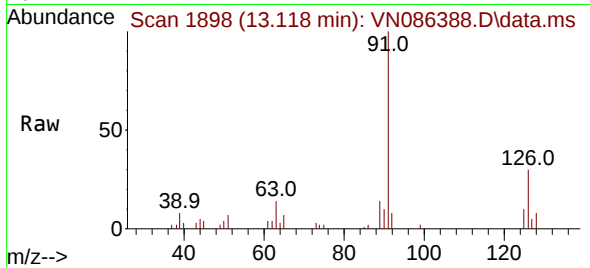
#75
2-Chlorotoluene
Concen: 2.403 ug/l
RT: 13.118 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 91 Resp: 18630
Ion Ratio Lower Upper
91 100
126 32.3 0.0 65.0

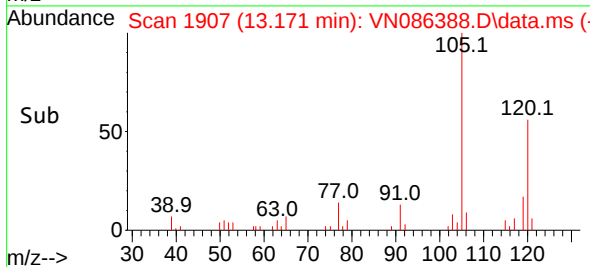
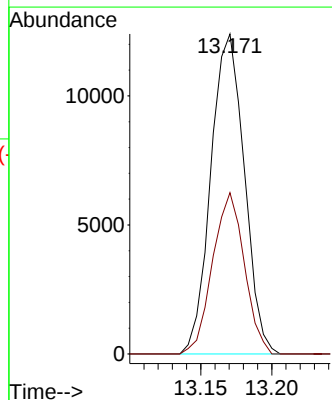
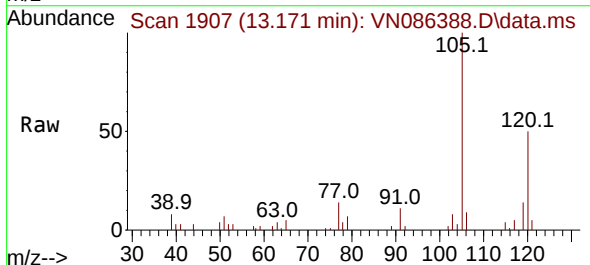
Manual Integrations
APPROVED

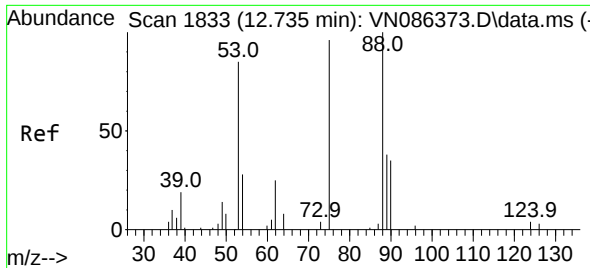
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 2.365 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

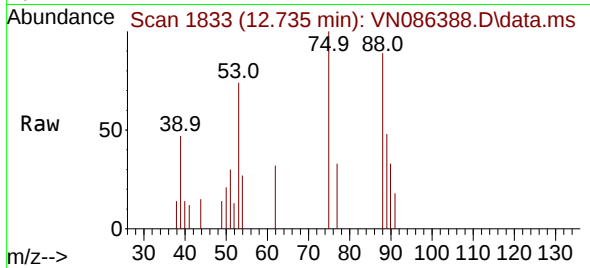
Tgt Ion:105 Resp: 20295
Ion Ratio Lower Upper
105 100
120 47.8 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 2.257 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

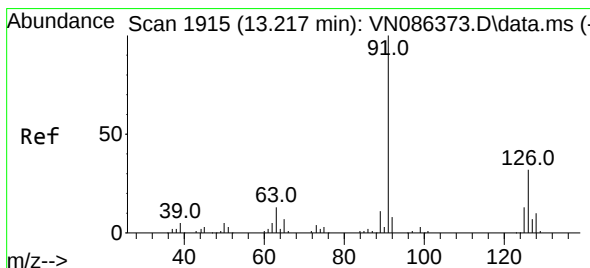
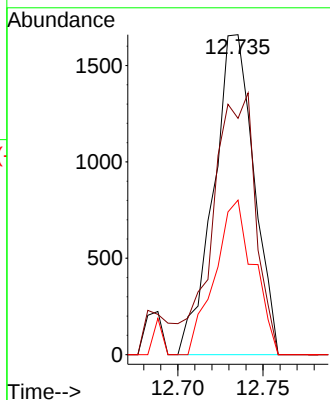
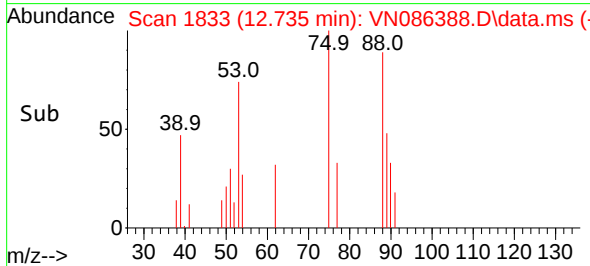
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025



Tgt Ion: 75 Resp: 2749
Ion Ratio Lower Upper
75 100
53 73.9 46.0 138.0
89 48.3 21.6 64.6

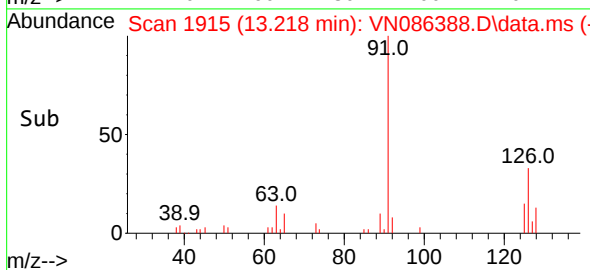
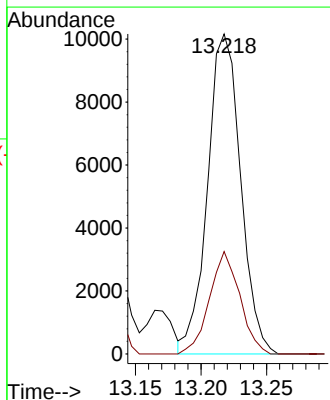
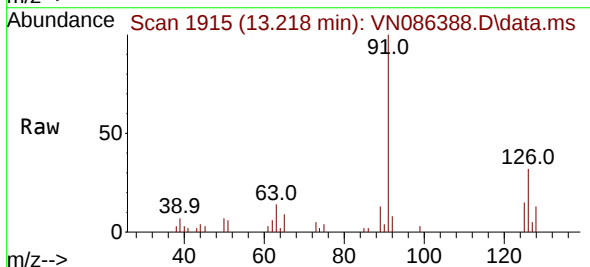
Manual Integrations
APPROVED

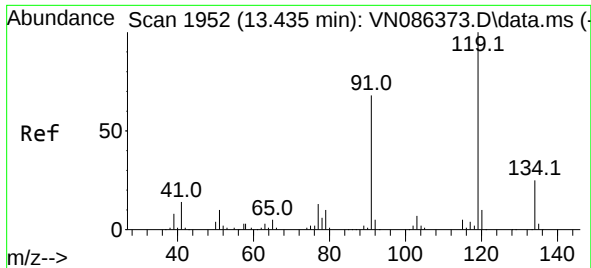
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#78
4-Chlorotoluene
Concen: 2.296 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion: 91 Resp: 17804
Ion Ratio Lower Upper
91 100
126 29.4 0.0 65.4





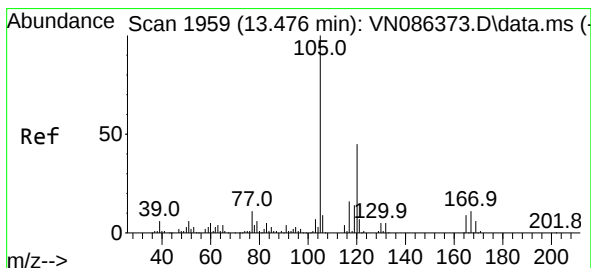
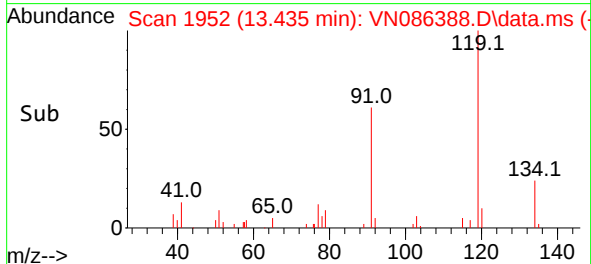
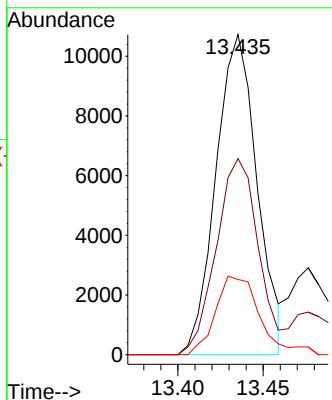
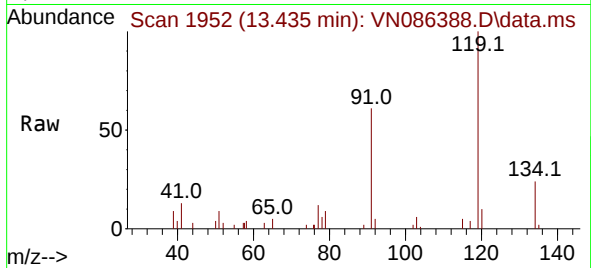
#79
tert-butylbenzene
Concen: 2.459 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025

Tgt Ion:119 Resp: 18072
Ion Ratio Lower Upper
119 100
91 62.3 0.0 137.4
134 25.4 0.0 49.2

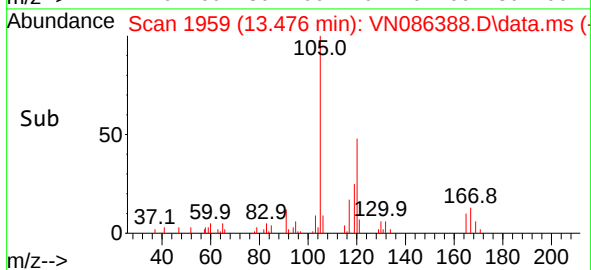
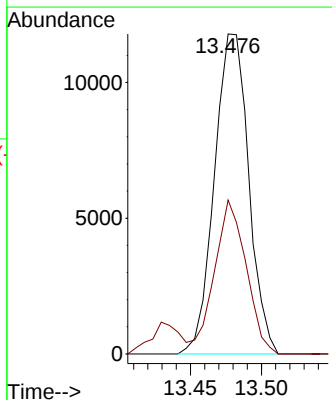
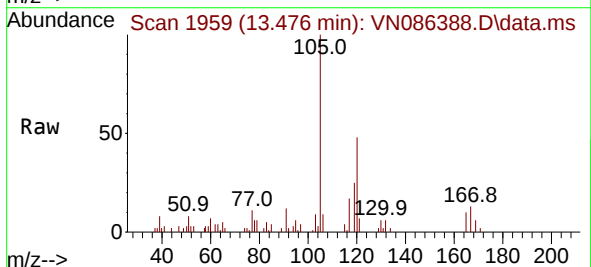
Manual Integrations
APPROVED

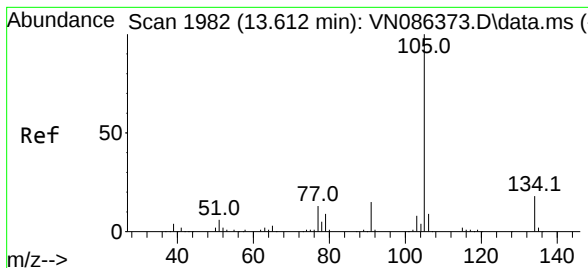
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 2.258 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

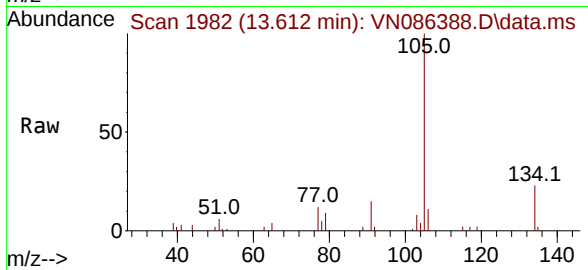
Tgt Ion:105 Resp: 19789
Ion Ratio Lower Upper
105 100
120 44.6 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 2.194 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

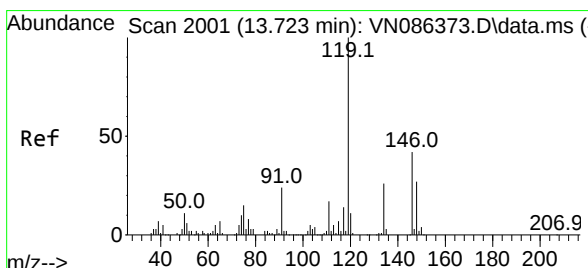
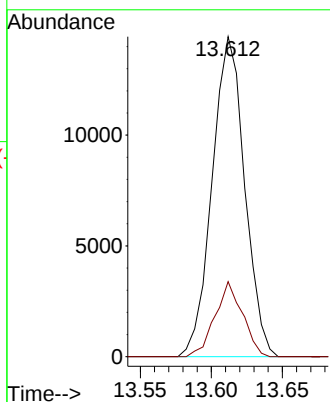
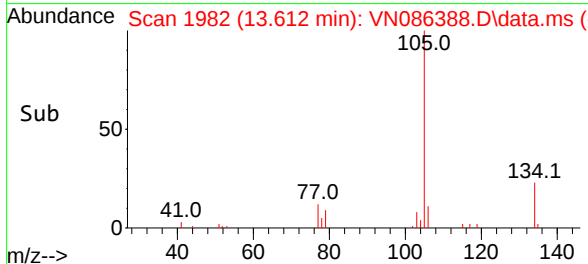
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025



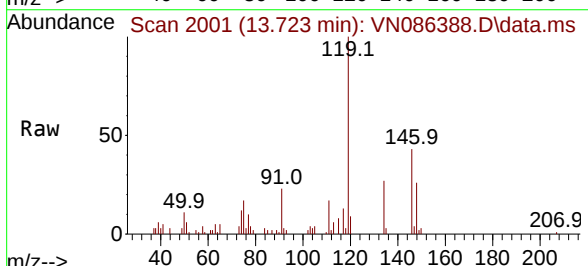
Tgt Ion:105 Resp: 23010
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 38.4

Manual Integrations
 APPROVED

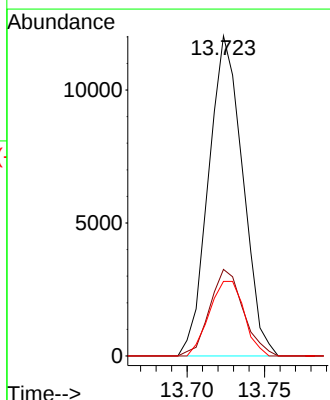
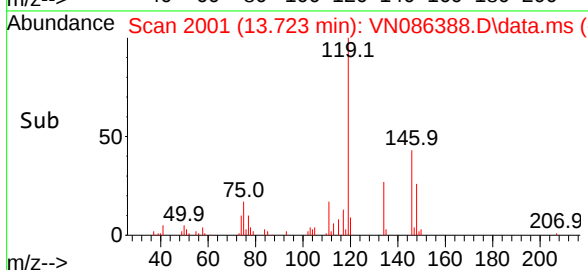
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

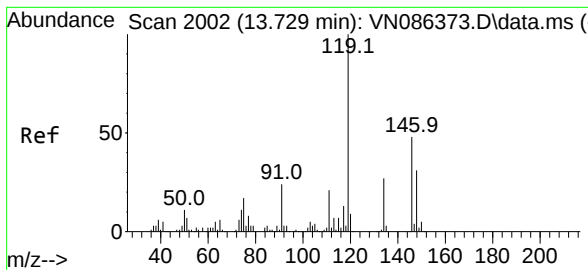


#82
 p-Isopropyltoluene
 Concen: 2.103 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37



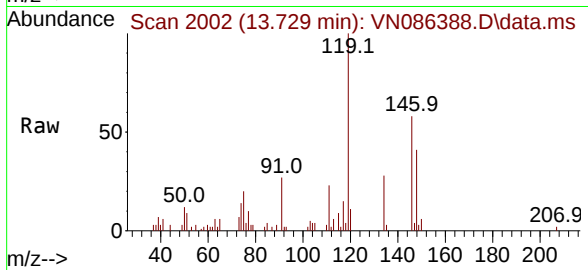
Tgt Ion:119 Resp: 18456
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.2
 91 23.7 0.0 47.6





#83
 1,3-Dichlorobenzene
 Concen: 2.306 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37

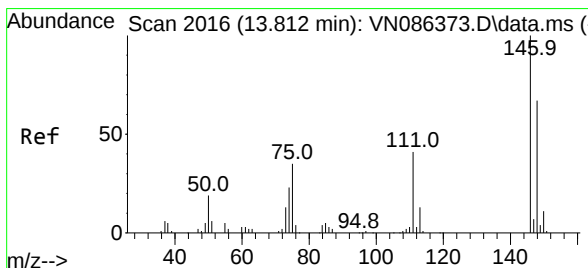
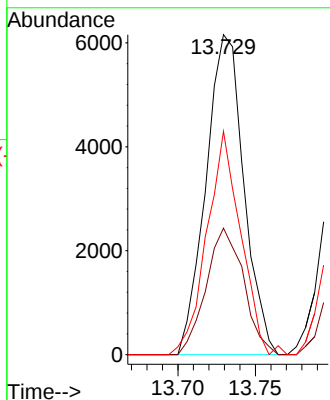
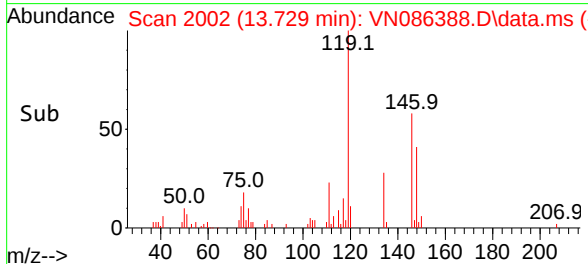
Instrument : MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025



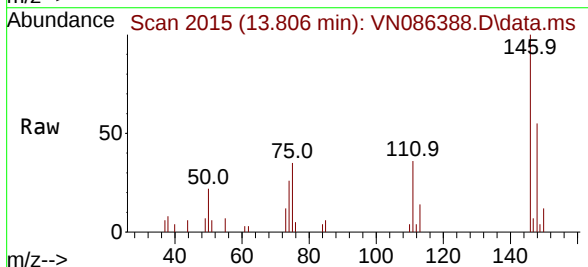
Tgt Ion:146 Resp: 1048
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.7 62.1
 148 61.8 32.3 96.8

Manual Integrations
 APPROVED

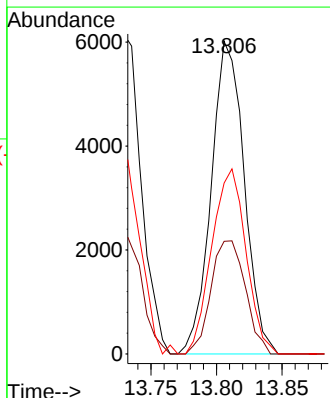
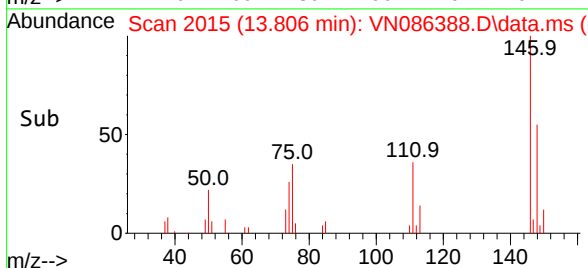
Reviewed By :John Carlone 04/24/2025
 Supervised By :Mahesh Dadoda 04/25/2025

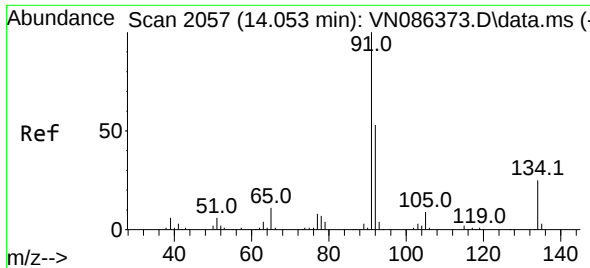


#84
 1,4-Dichlorobenzene
 Concen: 2.349 ug/l
 RT: 13.806 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: VN086388.D
 Acq: 23 Apr 2025 17:37



Tgt Ion:146 Resp: 10548
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.3 60.8
 148 61.3 32.4 97.2





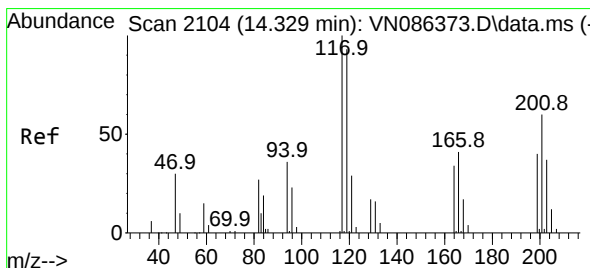
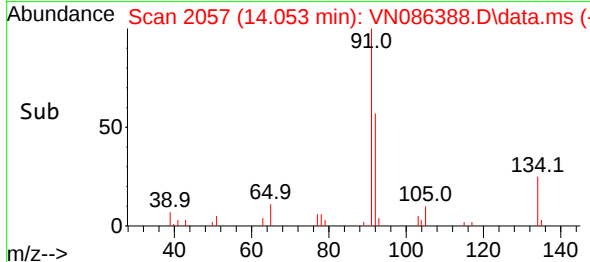
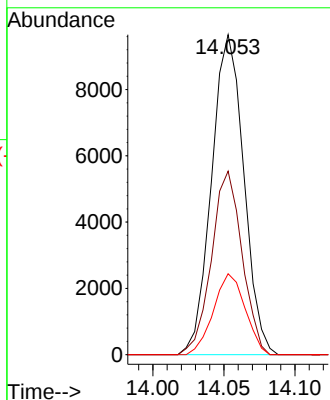
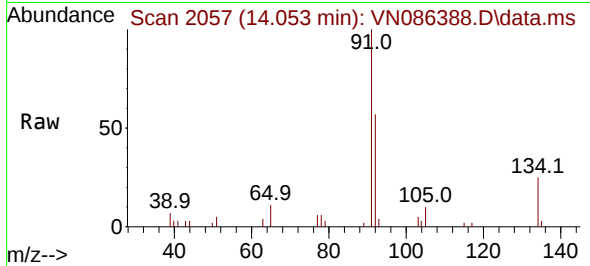
#85
n-Butylbenzene
Concen: 1.947 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025

Tgt Ion: 91 Resp: 15250
Ion Ratio Lower Upper
91 100
92 54.4 0.0 107.2
134 24.9 0.0 48.2

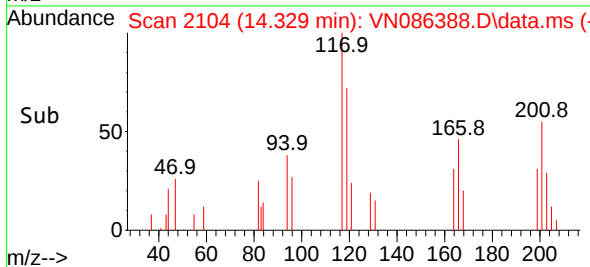
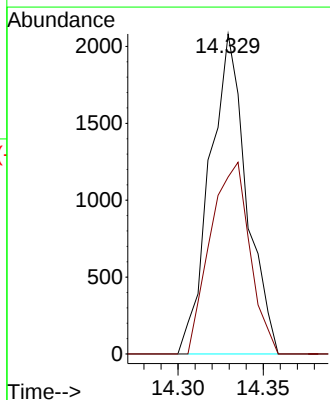
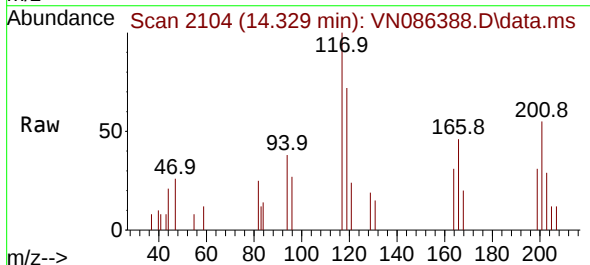
Manual Integrations
APPROVED

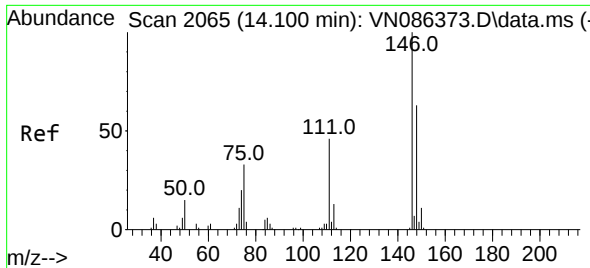
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 2.174 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion:117 Resp: 3120
Ion Ratio Lower Upper
117 100
201 64.5 31.7 95.1





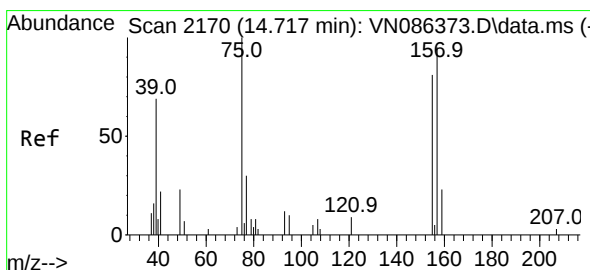
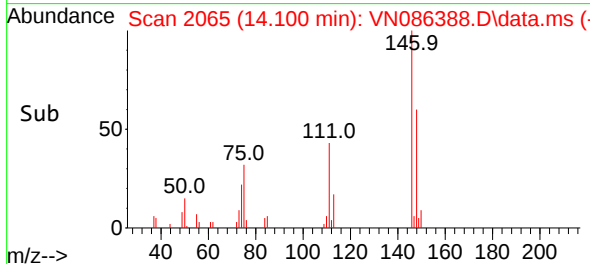
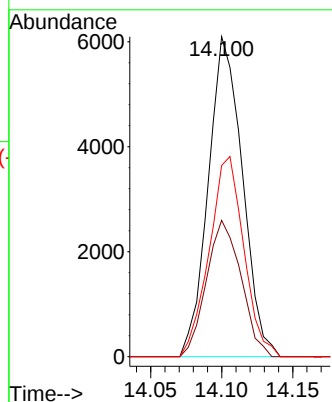
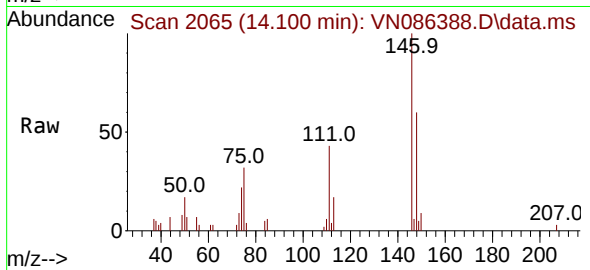
#87
1,2-Dichlorobenzene
Concen: 2.358 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025

Tgt Ion:146 Resp: 1019
Ion Ratio Lower Upper
146 100
111 43.2 22.1 66.3
148 63.4 32.0 96.0

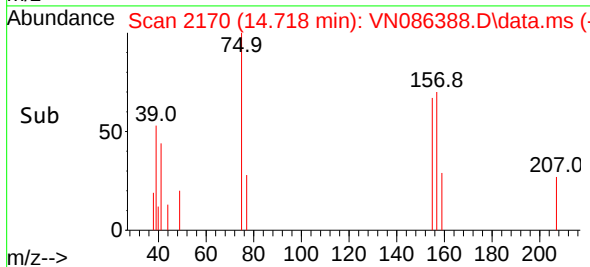
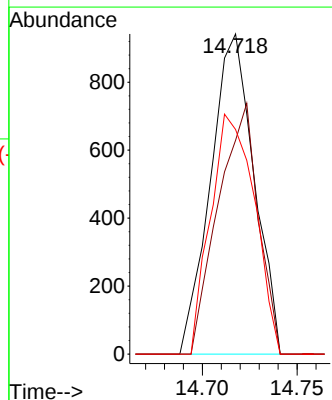
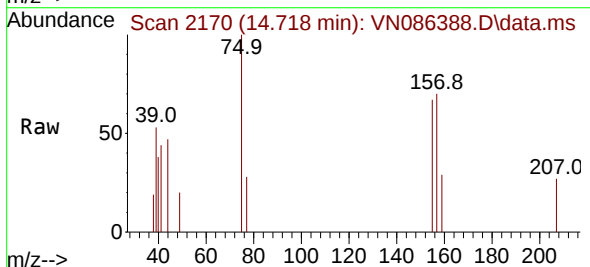
Manual Integrations
APPROVED

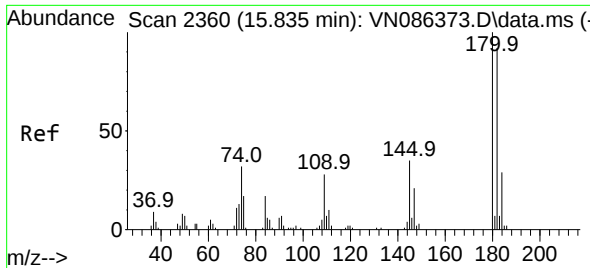
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 2.686 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

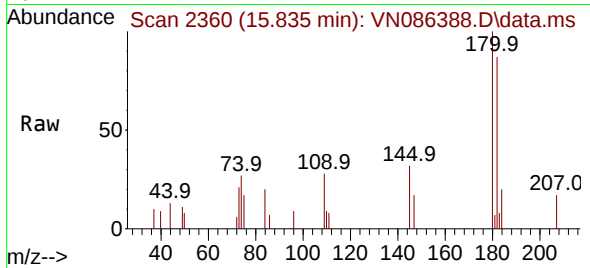
Tgt Ion: 75 Resp: 1503
Ion Ratio Lower Upper
75 100
155 72.1 64.0 96.0
157 75.7 78.2 117.4#





#89
1,2,4-Trichlorobenzene
Concen: 2.041 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

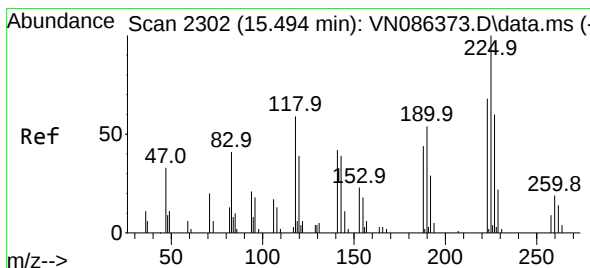
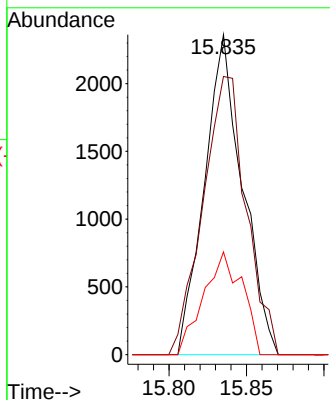
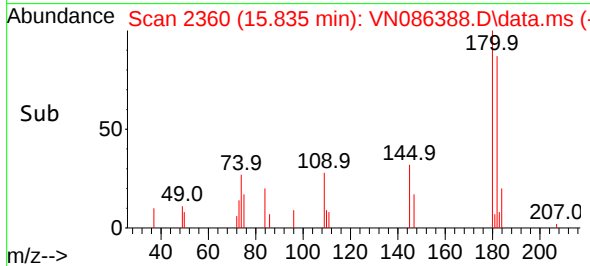
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2025



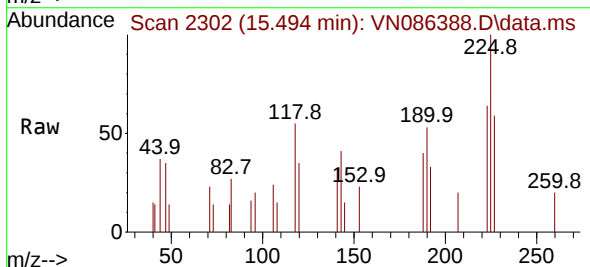
Tgt Ion:180 Resp: 402
Ion Ratio Lower Upper
180 100
182 99.0 74.8 112.2
145 32.6 26.9 40.3

Manual Integrations
APPROVED

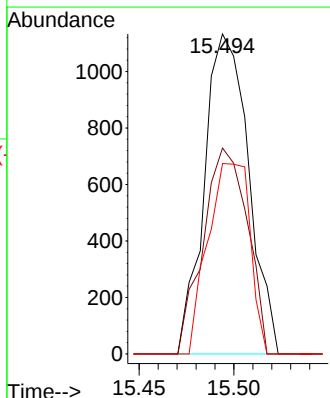
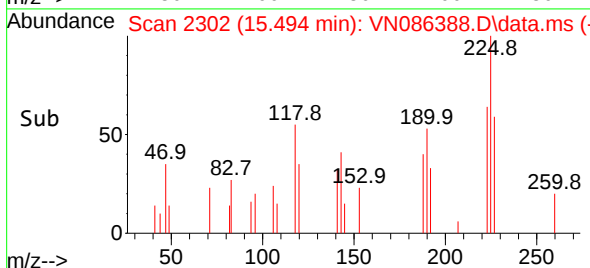
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

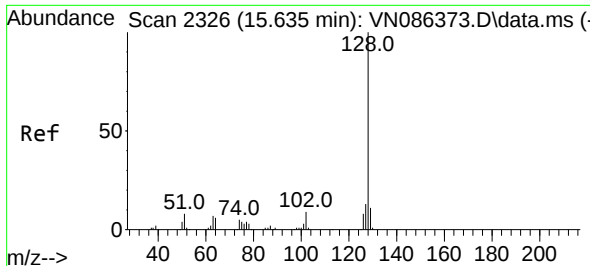


#90
Hexachlorobutadiene
Concen: 2.322 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37



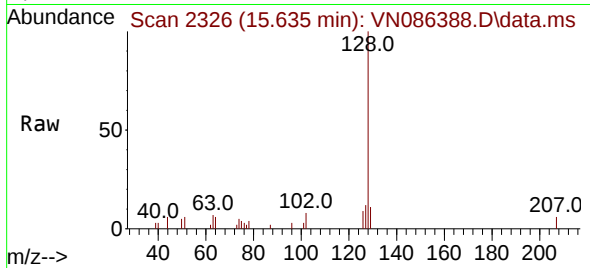
Tgt Ion:225 Resp: 1843
Ion Ratio Lower Upper
225 100
223 64.5 0.0 128.8
227 56.5 0.0 120.2





#91
Naphthalene
Concen: 2.112 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

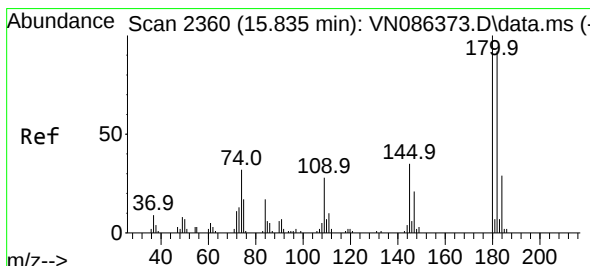
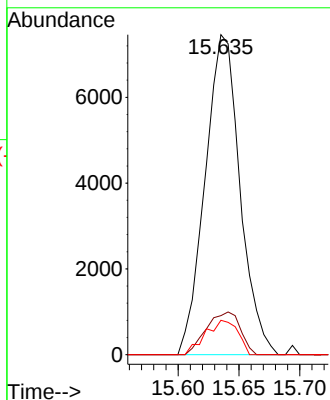
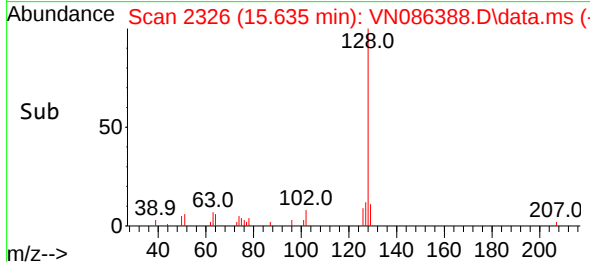
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2025



Tgt Ion:128 Resp: 14900
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 9.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 2.041 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086388.D
Acq: 23 Apr 2025 17:37

Tgt Ion:180 Resp: 4022
Ion Ratio Lower Upper
180 100
182 99.0 0.0 187.0
145 32.6 0.0 67.2

