

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086799.D
 Acq On : 28 May 2025 15:09
 Operator : JC\MD
 Sample : Q2126-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 29 04:00:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	195560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	353285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127195	47.069	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.140%		
35) Dibromofluoromethane	8.165	113	102493	48.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.420%		
50) Toluene-d8	10.565	98	419920	48.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.320%		
62) 4-Bromofluorobenzene	12.847	95	137157	44.552	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	677	0.321	ug/l	92
3) Chloromethane	2.359	50	2021	0.633	ug/l	88
4) Vinyl Chloride	2.512	62	1214	0.423	ug/l	93
5) Bromomethane	2.965	94	1098	0.664	ug/l	99
6) Chloroethane	3.124	64	817	0.435	ug/l #	40
7) Trichlorofluoromethane	3.495	101	1334	0.389	ug/l #	78
8) Diethyl Ether	3.965	74	667	0.471	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.365	101	875m	0.426	ug/l	
10) Methyl Iodide	4.589	142	1405	0.550	ug/l #	87
11) Tert butyl alcohol	5.512	59	721m	1.465	ug/l	
12) 1,1-Dichloroethene	4.348	96	1017	0.466	ug/l #	75
13) Acrolein	4.183	56	587	1.116	ug/l #	70
14) Allyl chloride	5.024	41	1381	0.418	ug/l #	83
15) Acrylonitrile	5.736	53	2338	1.919	ug/l #	91
16) Acetone	4.424	43	2338	2.313	ug/l	90
17) Carbon Disulfide	4.718	76	3372	0.558	ug/l #	75
18) Methyl Acetate	5.030	43	2352	0.831	ug/l #	69
19) Methyl tert-butyl Ether	5.783	73	3427	0.461	ug/l #	89
20) Methylene Chloride	5.283	84	1385	0.519	ug/l #	76
21) trans-1,2-Dichloroethene	5.795	96	897m	0.389	ug/l	
22) Diisopropyl ether	6.677	45	3329	0.447	ug/l #	86
23) Vinyl Acetate	6.600	43	8862	1.583	ug/l	99
24) 1,1-Dichloroethane	6.559	63	2030	0.464	ug/l #	82
25) 2-Butanone	7.483	43	3298	2.111	ug/l	98
26) 2,2-Dichloropropane	7.489	77	1676	0.464	ug/l #	68
27) cis-1,2-Dichloroethene	7.483	96	1065	0.376	ug/l	86
28) Bromochloromethane	7.800	49	854	0.430	ug/l #	96
29) Tetrahydrofuran	7.841	42	2005	1.967	ug/l #	77
30) Chloroform	7.965	83	2089	0.477	ug/l	97
31) Cyclohexane	8.224	56	5578	1.375	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	1572	0.426	ug/l #	39
36) 1,1-Dichloropropene	8.365	75	1372	0.442	ug/l #	60
37) Ethyl Acetate	7.559	43	1324	0.422	ug/l #	72
38) Carbon Tetrachloride	8.359	117	1352	0.442	ug/l #	82
39) Methylcyclohexane	9.594	83	1442	0.429	ug/l	89
40) Benzene	8.594	78	4901	0.484	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	489	0.289	ug/l #	67
42) 1,2-Dichloroethane	8.665	62	1587	0.503	ug/l #	74
43) Isopropyl Acetate	8.688	43	3025	0.481	ug/l #	81
44) Trichloroethene	9.347	130	1318	0.540	ug/l	99
45) 1,2-Dichloropropane	9.618	63	1095	0.455	ug/l #	88
46) Dibromomethane	9.706	93	681	0.420	ug/l	93
47) Bromodichloromethane	9.882	83	1411	0.422	ug/l #	94
48) Methyl methacrylate	9.677	41	900	0.370	ug/l #	89
49) 1,4-Dioxane	9.700	88	143	2.773	ug/l #	24
51) 4-Methyl-2-Pentanone	10.441	43	5864	1.850	ug/l	98
52) Toluene	10.629	92	2992	0.476	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	1588	0.449	ug/l #	65
54) cis-1,3-Dichloropropene	10.306	75	1677	0.434	ug/l #	81
55) 1,1,2-Trichloroethane	11.012	97	1109	0.472	ug/l #	71
56) Ethyl methacrylate	10.877	69	1483	0.394	ug/l #	85
57) 1,3-Dichloropropane	11.153	76	1897	0.469	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	3643	2.163	ug/l	94
59) 2-Hexanone	11.194	43	4145	1.791	ug/l	90
60) Dibromochloromethane	11.353	129	1221	0.496	ug/l	93
61) 1,2-Dibromoethane	11.465	107	864	0.366	ug/l	91
64) Tetrachloroethene	11.106	164	1409	0.609	ug/l	88
65) Chlorobenzene	11.888	112	3227	0.488	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	1162	0.544	ug/l #	58
67) Ethyl Benzene	11.965	91	5337	0.471	ug/l #	86
68) m/p-Xylenes	12.071	106	3623	0.844	ug/l	97
69) o-Xylene	12.400	106	1677	0.393	ug/l	94
70) Styrene	12.406	104	2704	0.387	ug/l	96
71) Bromoform	12.571	173	775	0.510	ug/l #	72
73) Isopropylbenzene	12.694	105	4195	0.436	ug/l	94
74) N-amyl acetate	12.494	43	1385	0.345	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	987	0.334	ug/l #	96
76) 1,2,3-Trichloropropane	12.994	75	1462m	0.519	ug/l	
77) Bromobenzene	12.976	156	1336	0.552	ug/l	87
78) n-propylbenzene	13.029	91	5008	0.454	ug/l	100
79) 2-Chlorotoluene	13.118	91	3464	0.483	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	3344	0.434	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	288m	0.258	ug/l	
82) 4-Chlorotoluene	13.218	91	3274	0.460	ug/l	97
83) tert-Butylbenzene	13.435	119	2840	0.423	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	3157	0.411	ug/l	95
85) sec-Butylbenzene	13.612	105	3689	0.409	ug/l	99
86) p-Isopropyltoluene	13.729	119	2519	0.341	ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	2080	0.496	ug/l	95
88) 1,4-Dichlorobenzene	13.806	146	2195m	0.529	ug/l	
89) n-Butylbenzene	14.047	91	2874	0.469	ug/l	96
90) Hexachloroethane	14.329	117	607	0.495	ug/l	66
91) 1,2-Dichlorobenzene	14.106	146	2184	0.548	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.706	75	55	0.112	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	703	0.418	ug/l #	90
94) Hexachlorobutadiene	15.494	225	285	0.408	ug/l #	68
95) Naphthalene	15.641	128	3184	0.545	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.841	180	670	0.407	ug/l #	81

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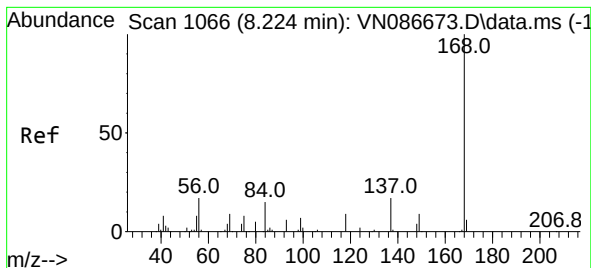
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 05/29/2025

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN086799.D

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Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion:168 Resp: 195560

Ion Ratio Lower Upper

168 100

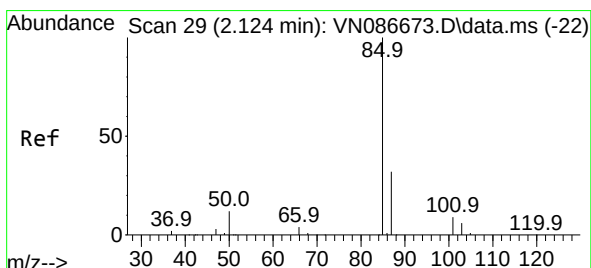
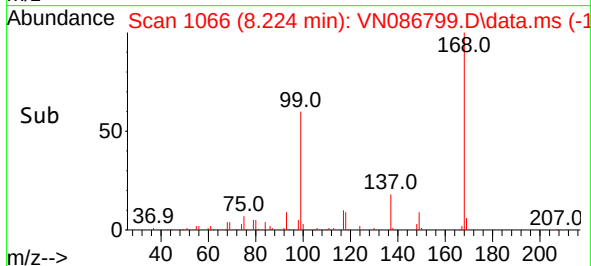
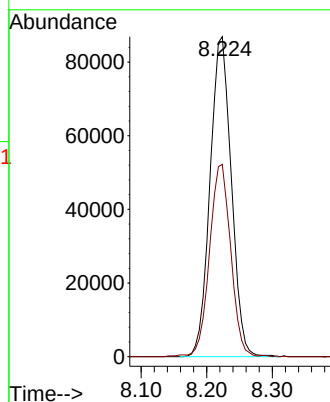
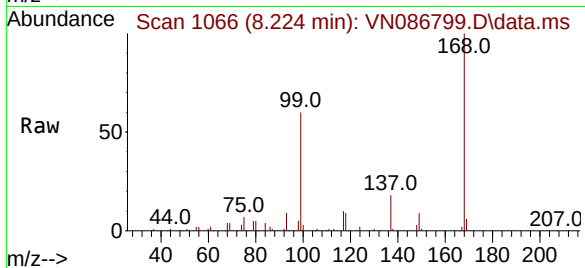
99 60.1 47.0 70.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 0.321 ug/l

RT: 2.124 min Scan# 29

Delta R.T. -0.000 min

Lab File: VN086799.D

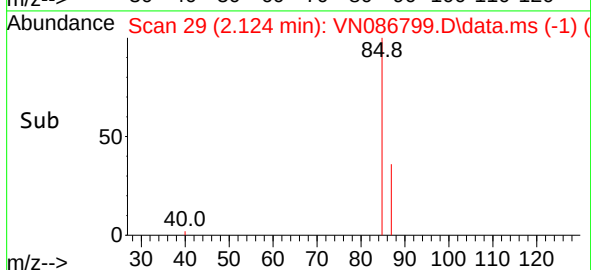
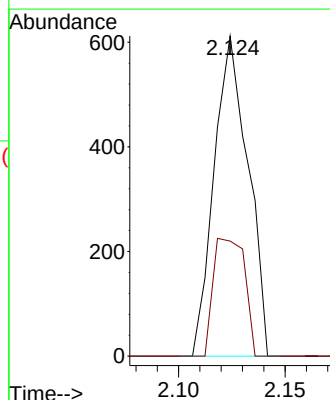
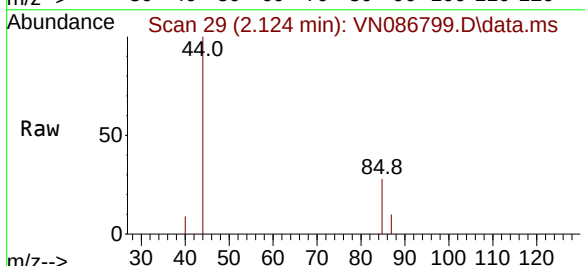
Acq: 28 May 2025 15:09

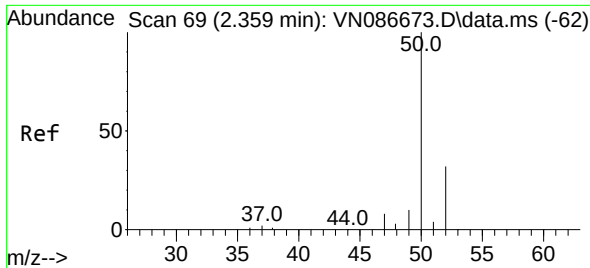
Tgt Ion: 85 Resp: 677

Ion Ratio Lower Upper

85 100

87 35.9 15.9 47.6





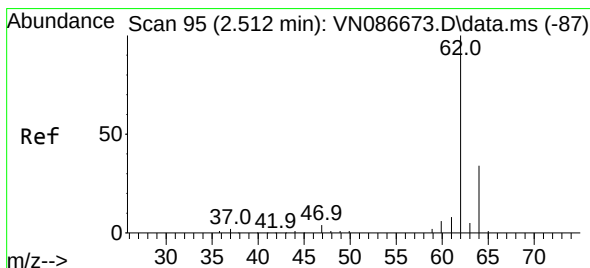
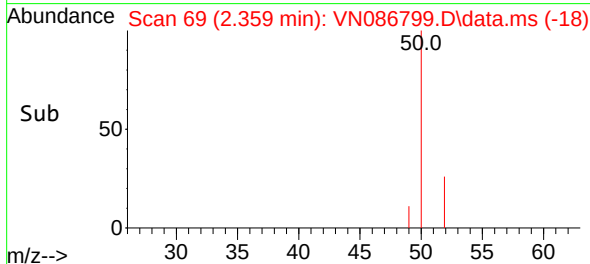
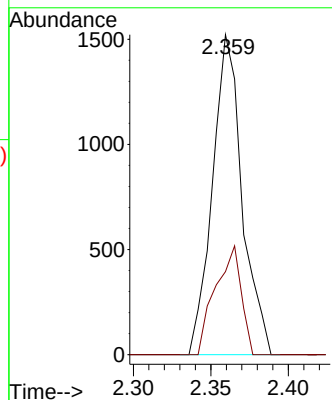
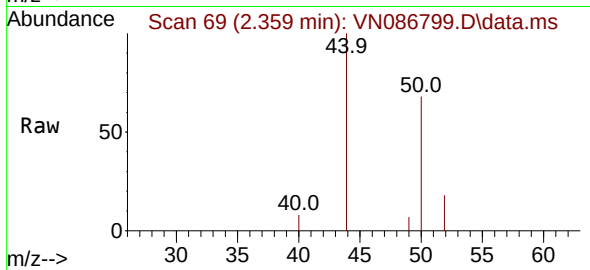
#3
Chloromethane
Concen: 0.633 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 26.0 25.9 38.9

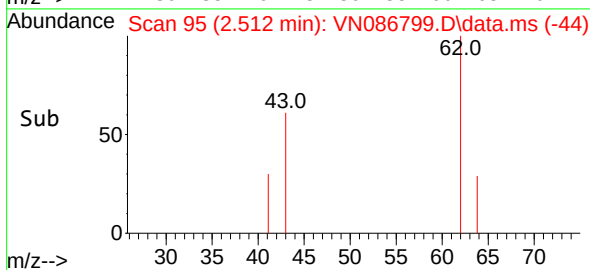
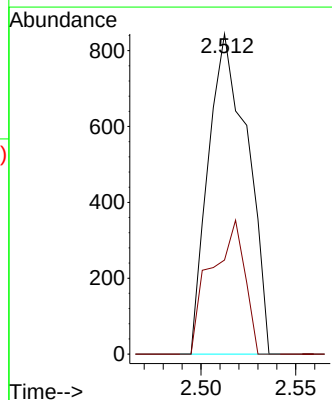
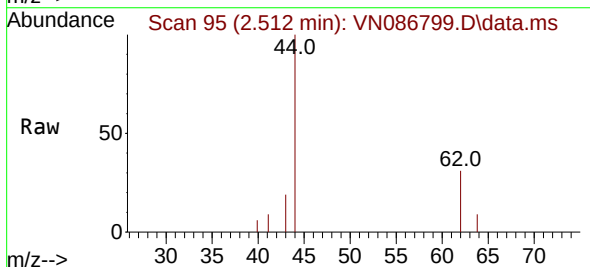
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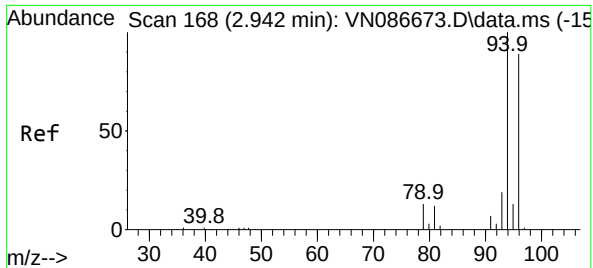
Reviewed By :John Carlone 05/29/2025
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#4
Vinyl Chloride
Concen: 0.423 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

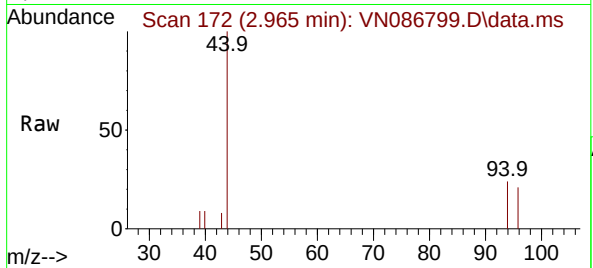
Tgt Ion: 62 Resp: 1214
Ion Ratio Lower Upper
62 100
64 29.4 26.9 40.3





#5
Bromomethane
Concen: 0.664 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

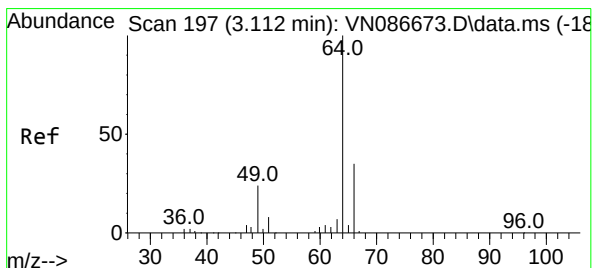
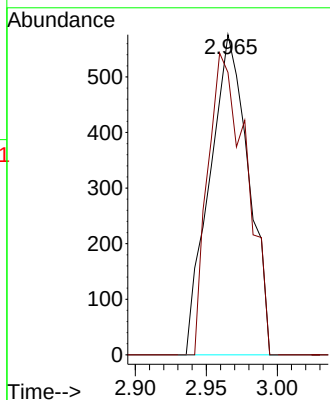
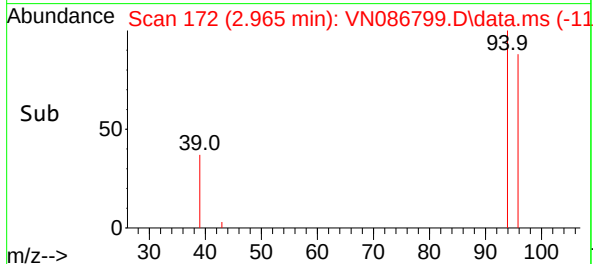
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Tgt Ion: 94 Resp: 1098
Ion Ratio Lower Upper
94 100
96 88.2 71.2 106.8

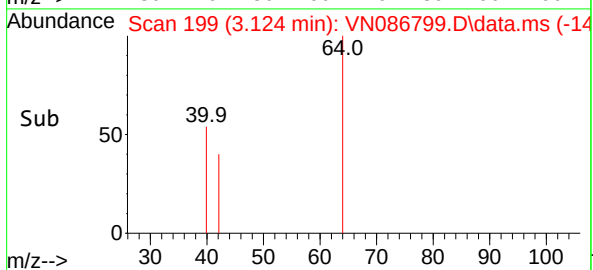
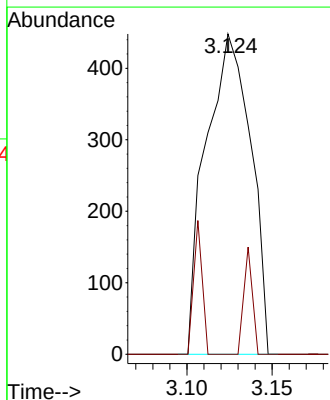
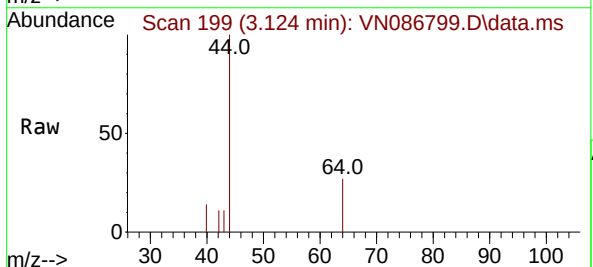
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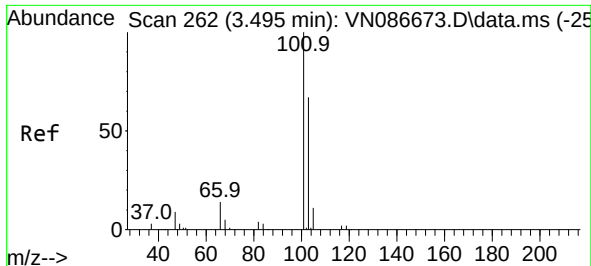
Reviewed By :John Carlone 05/29/2025
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#6
Chloroethane
Concen: 0.435 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN086799.D
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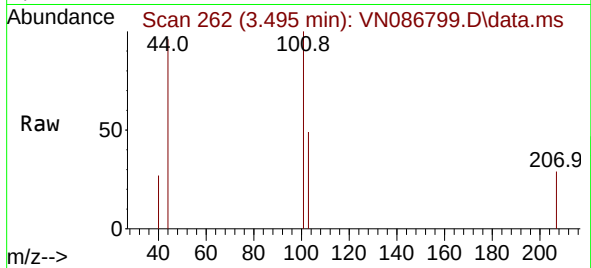
Tgt Ion: 64 Resp: 817
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#





#7
 Trichlorofluoromethane
 Concen: 0.389 ug/l
 RT: 3.495 min Scan# 210
 Delta R.T. -0.000 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

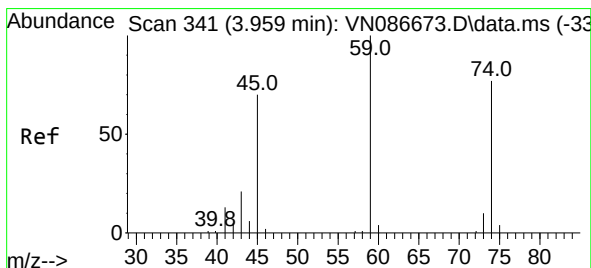
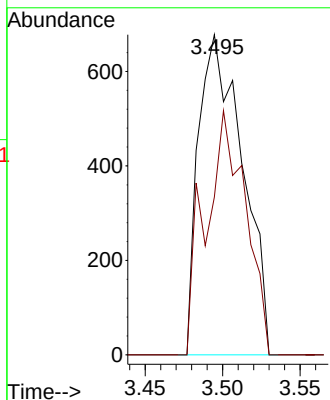
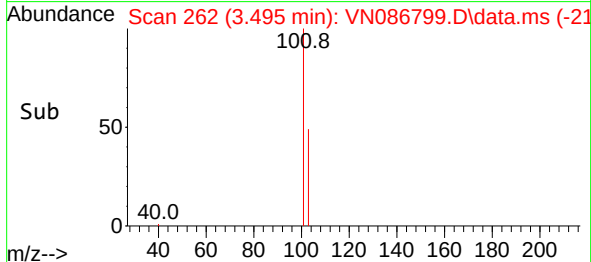
Instrument :
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 MDL-WATER-03-QT2-2025



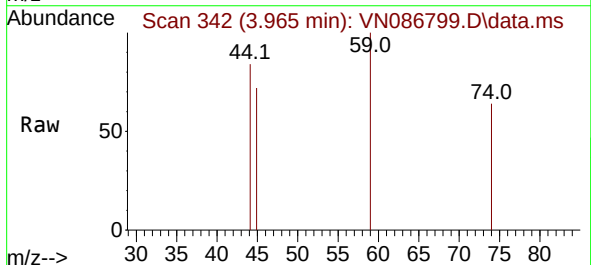
Tgt Ion: 101 Resp: 1334
 Ion Ratio Lower Upper
 101 100
 103 49.3 53.4 80.0

Manual Integrations
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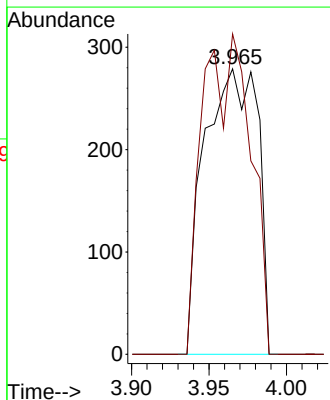
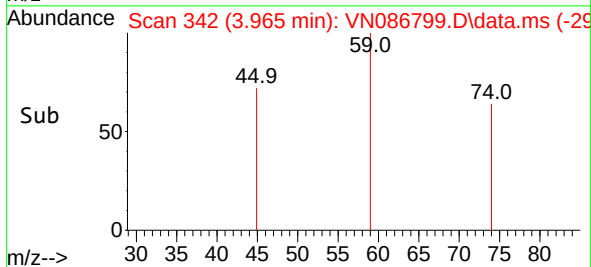
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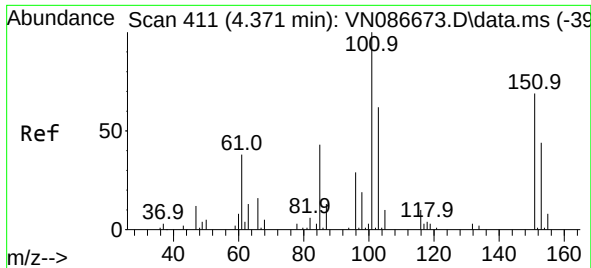


#8
 Diethyl Ether
 Concen: 0.471 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09



Tgt Ion: 74 Resp: 667
 Ion Ratio Lower Upper
 74 100
 45 51.1 45.0 135.0





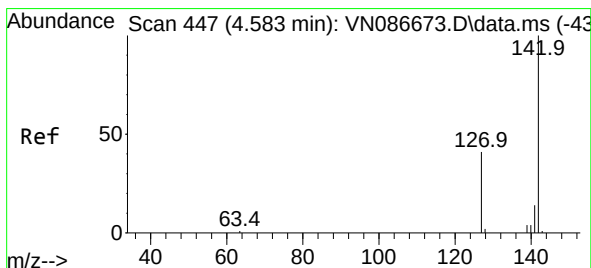
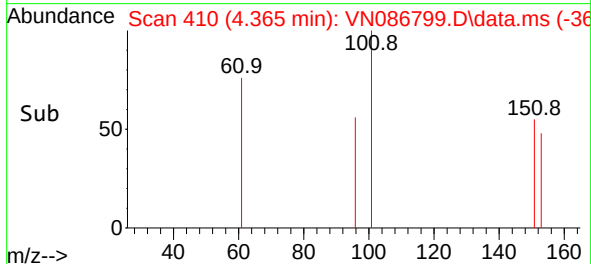
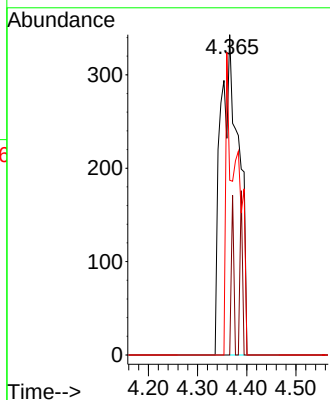
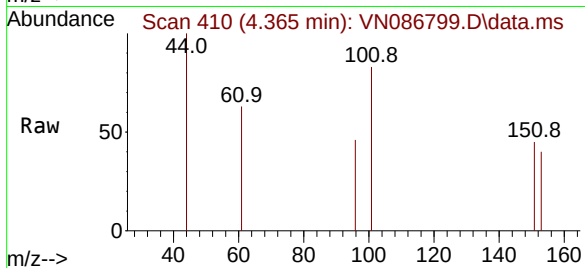
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.426 ug/l m
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion:101 Resp: 879
Ion Ratio Lower Upper
101 100
85 6.9 35.0 52.6
151 28.1 58.1 87.1

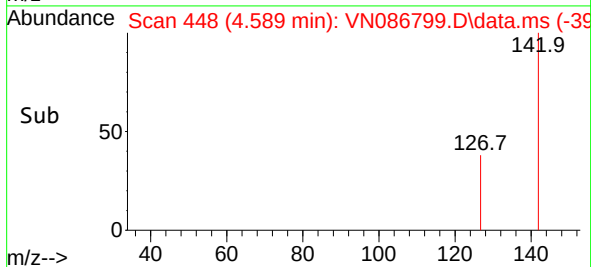
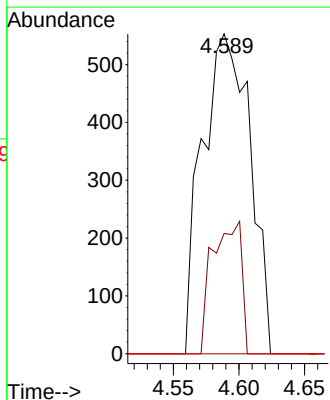
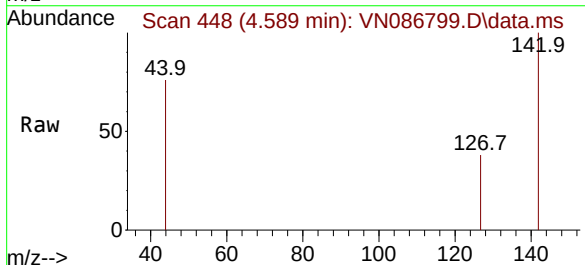
Manual Integrations
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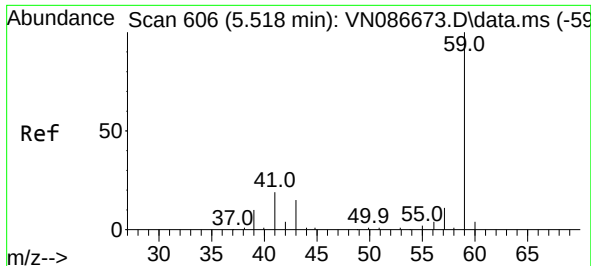
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#10
Methyl Iodide
Concen: 0.550 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

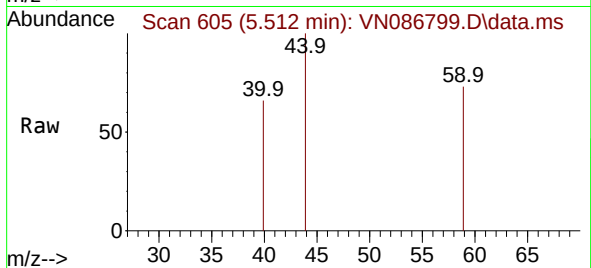
Tgt Ion:142 Resp: 1405
Ion Ratio Lower Upper
142 100
127 37.6 32.4 48.6
141 0.0 11.4 17.2#





#11
Tert butyl alcohol
Concen: 1.465 ug/l m
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

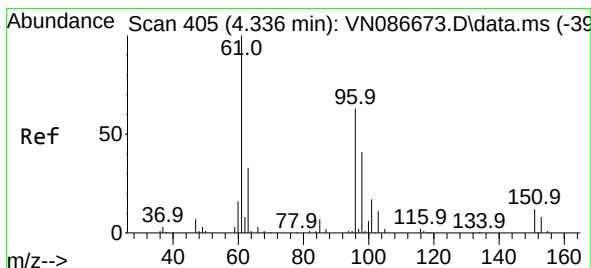
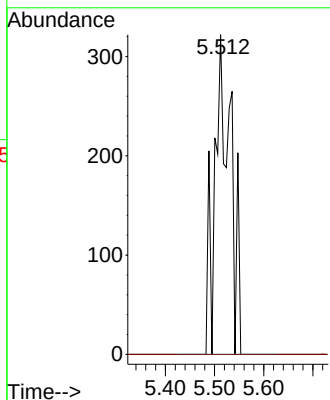
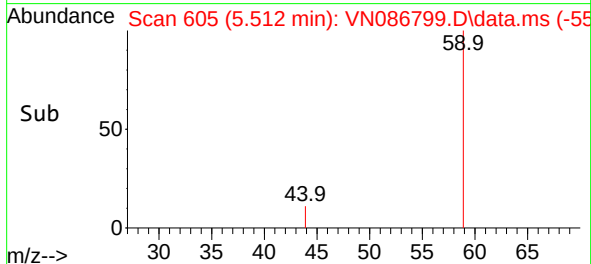
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



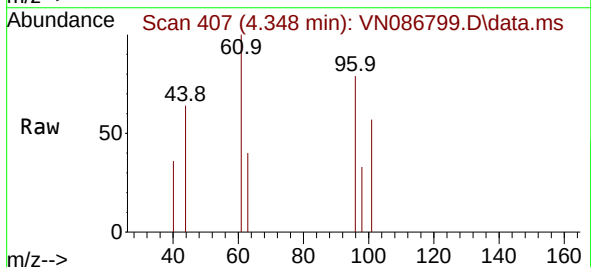
Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

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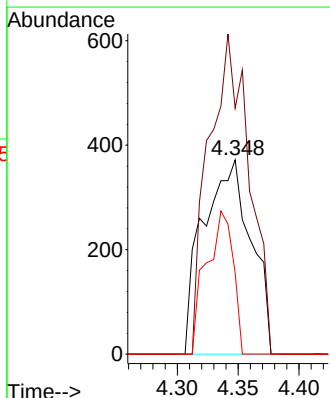
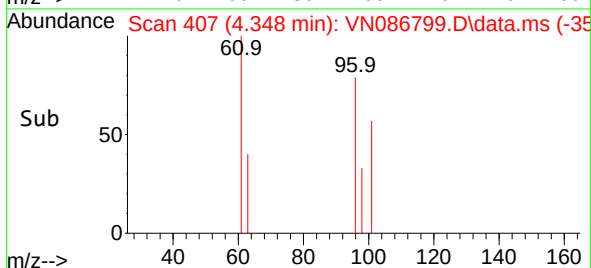
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

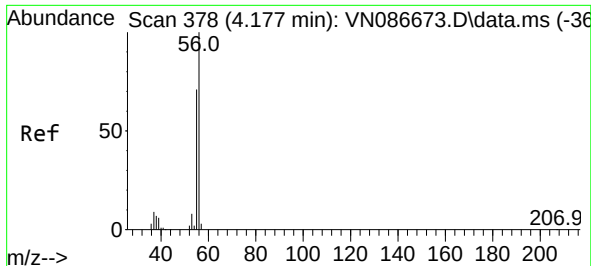


#12
1,1-Dichloroethene
Concen: 0.466 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



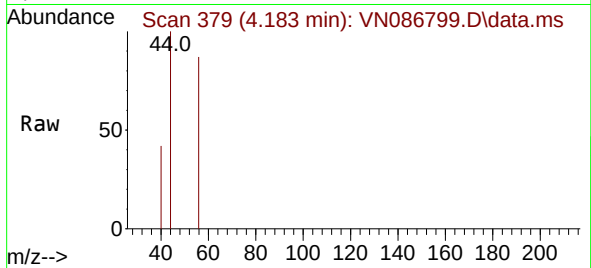
Tgt Ion: 96 Resp: 1017
Ion Ratio Lower Upper
96 100
61 126.6 126.2 189.2
98 41.9 51.5 77.3





#13
Acrolein
Concen: 1.116 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

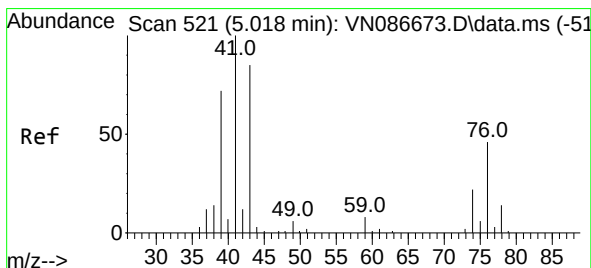
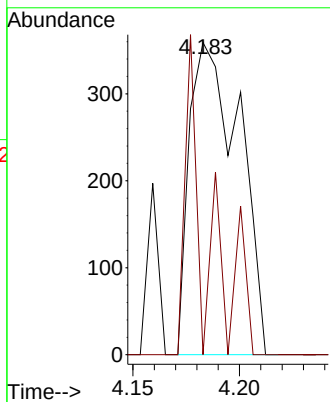
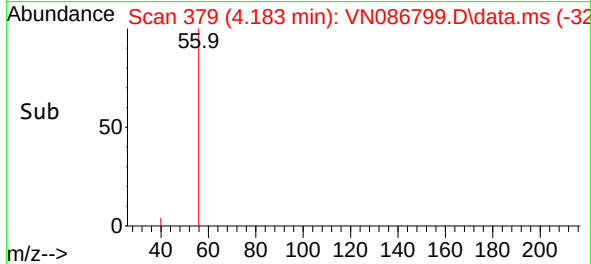
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



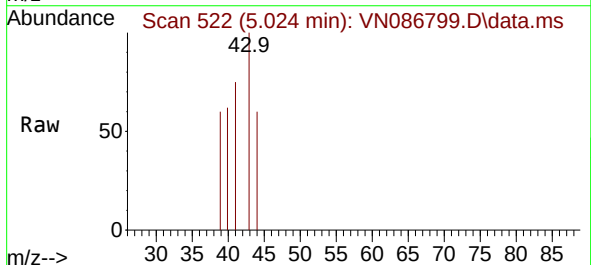
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 45.0 55.7 83.5

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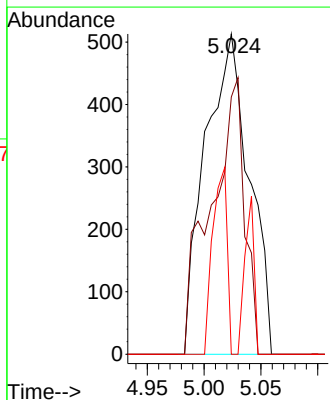
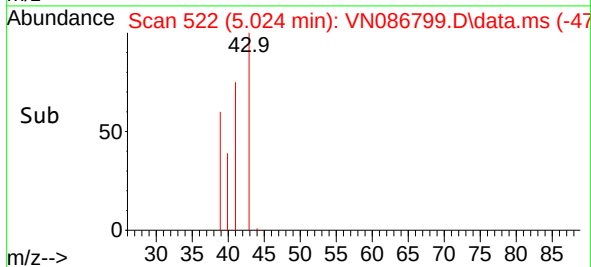
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

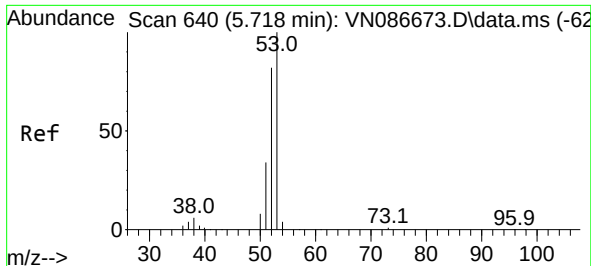


#14
Allyl chloride
Concen: 0.418 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



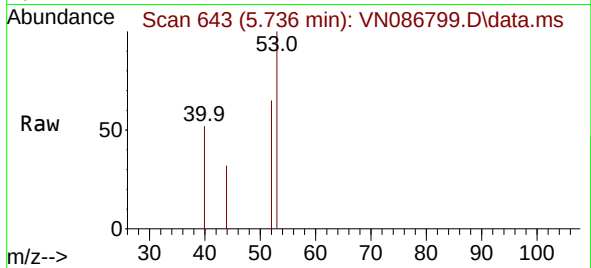
Tgt Ion: 41 Resp: 1381
Ion Ratio Lower Upper
41 100
39 66.1 57.4 86.0
76 19.0 33.2 49.8





#15
Acrylonitrile
Concen: 1.919 ug/l
RT: 5.736 min Scan# 640
Delta R.T. 0.018 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

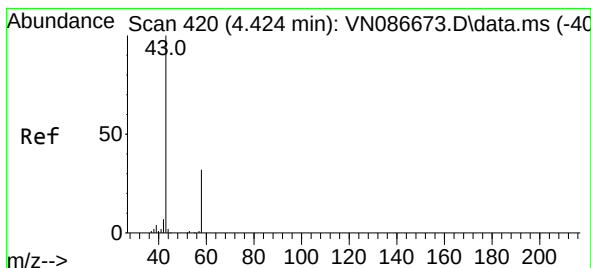
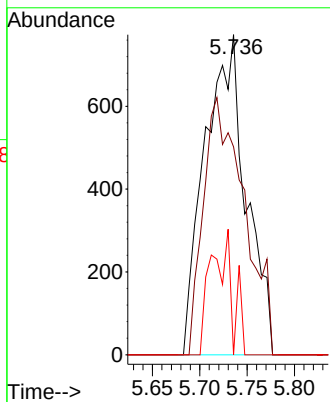
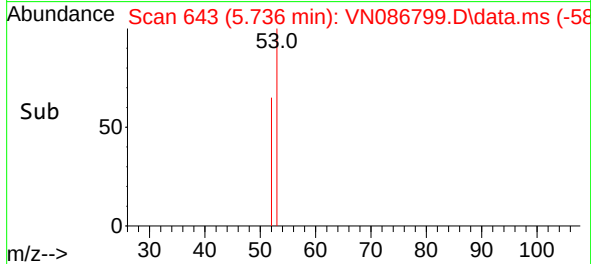
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 53 Resp: 2338
Ion Ratio Lower Upper
53 100
52 80.0 65.4 98.2
51 20.4 27.9 41.9

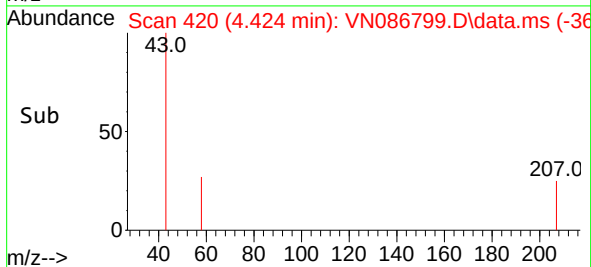
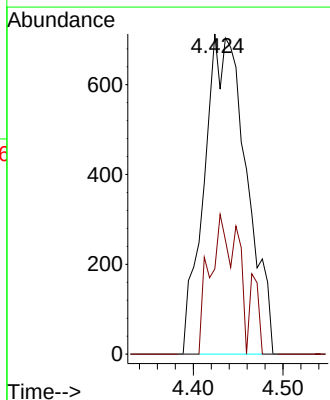
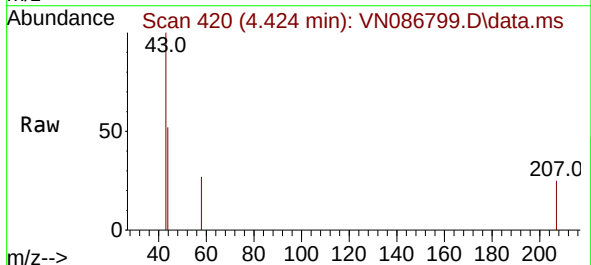
Manual Integrations
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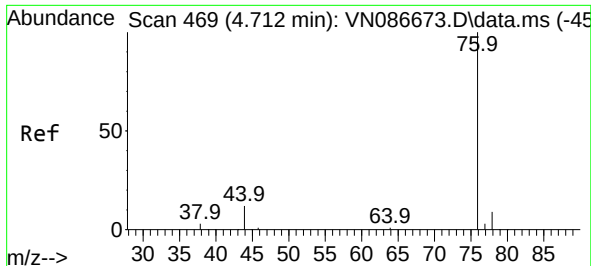
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#16
Acetone
Concen: 2.313 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

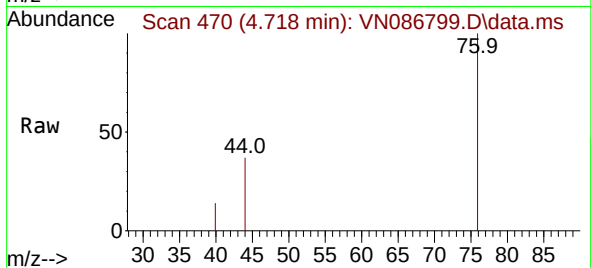
Tgt Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
58 26.6 25.8 38.6





#17
Carbon Disulfide
Concen: 0.558 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

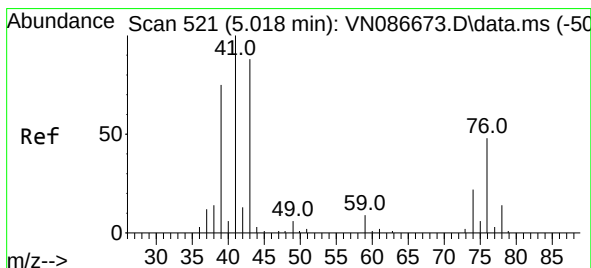
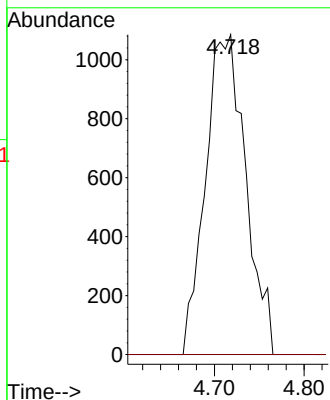
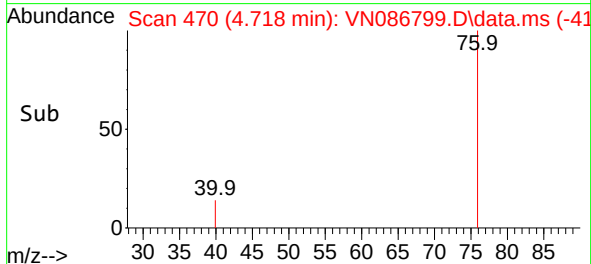
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



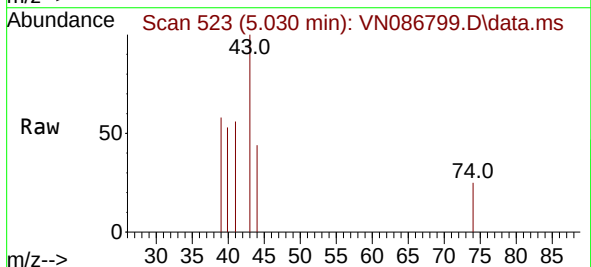
Tgt Ion: 76 Resp: 3372
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9

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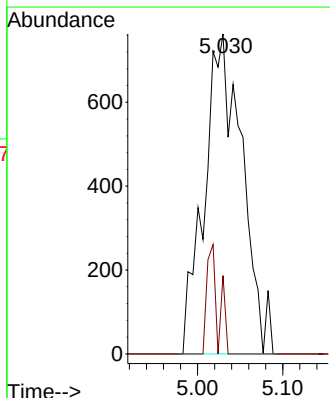
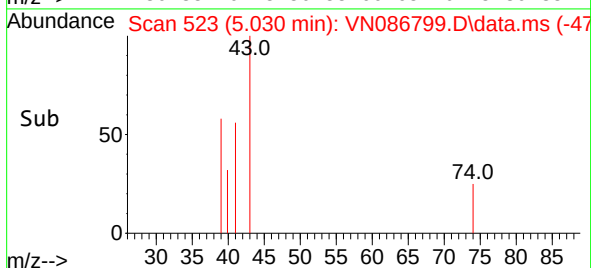
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

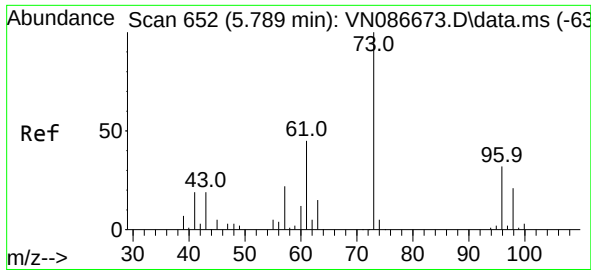


#18
Methyl Acetate
Concen: 0.831 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
74 10.1 20.5 30.7





#19

Methyl tert-butyl Ether

Concen: 0.461 ug/l

RT: 5.783 min Scan# 652

Delta R.T. -0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 73 Resp: 342

Ion Ratio Lower Upper

73 100

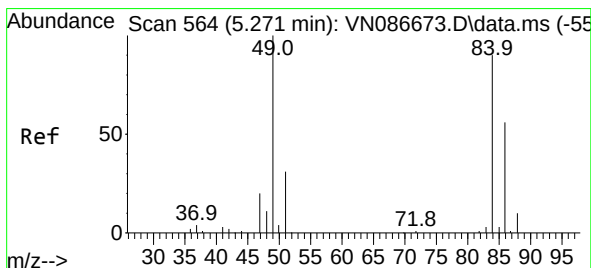
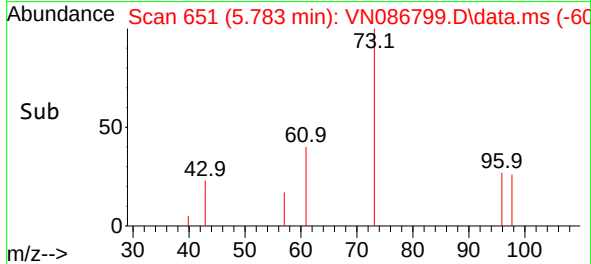
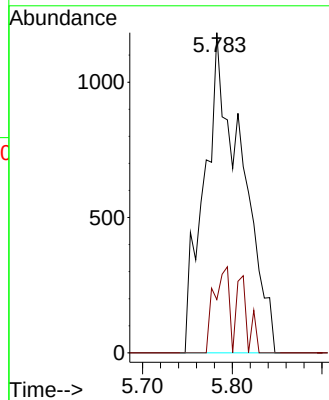
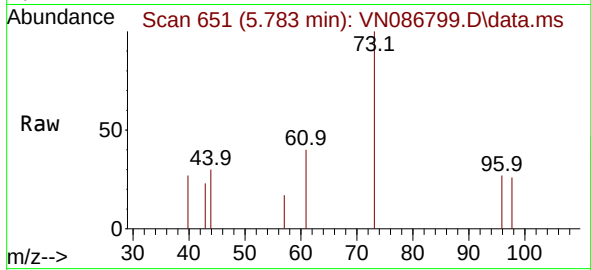
57 16.7 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#20

Methylene Chloride

Concen: 0.519 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.012 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Tgt Ion: 84 Resp: 1385

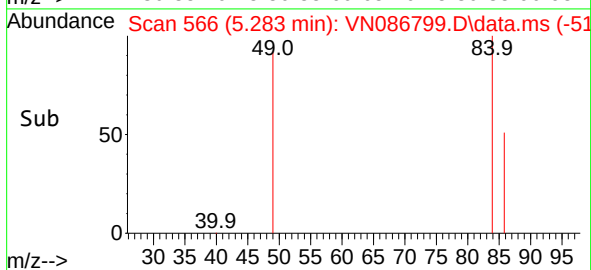
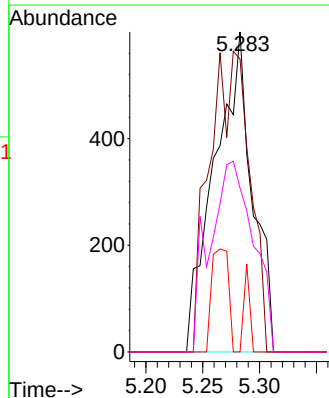
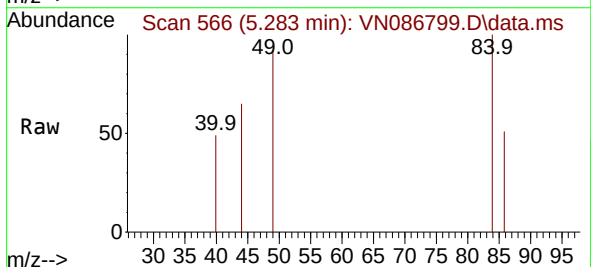
Ion Ratio Lower Upper

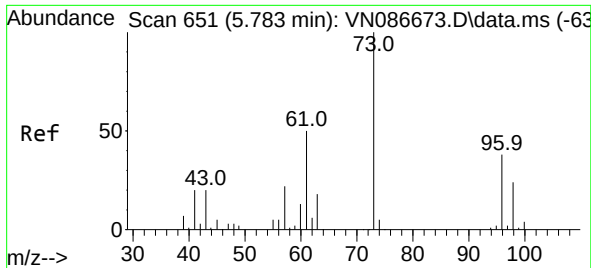
84 100

49 91.5 88.8 133.2

51 0.0 27.8 41.6#

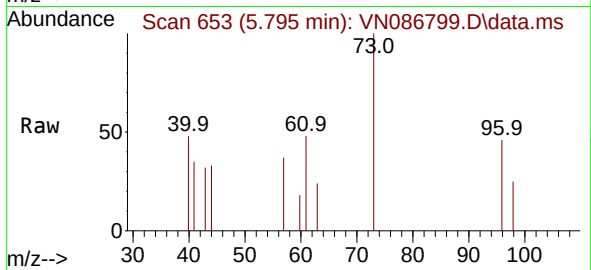
86 51.2 49.8 74.6





#21
trans-1,2-Dichloroethene
Concen: 0.389 ug/l m
RT: 5.795 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

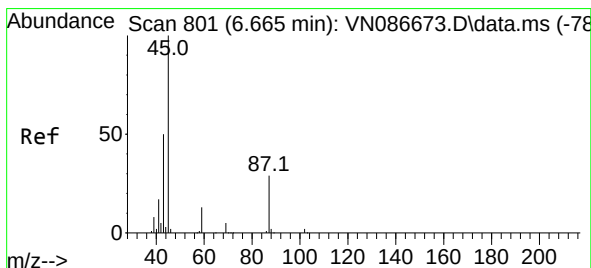
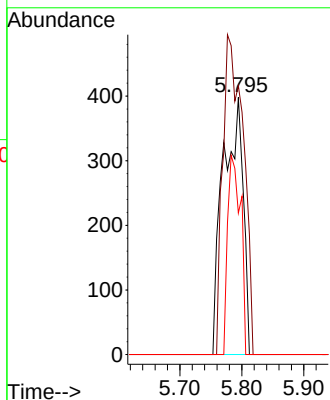
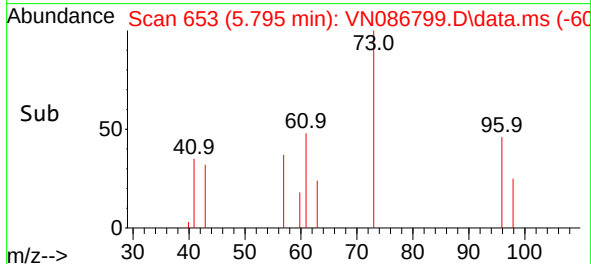
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 96 Resp: 89
Ion Ratio Lower Upper
96 100
61 104.5 105.7 158.5
98 55.0 51.0 76.6

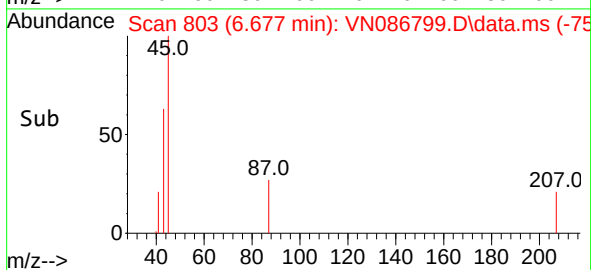
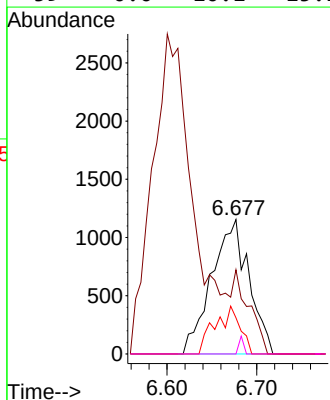
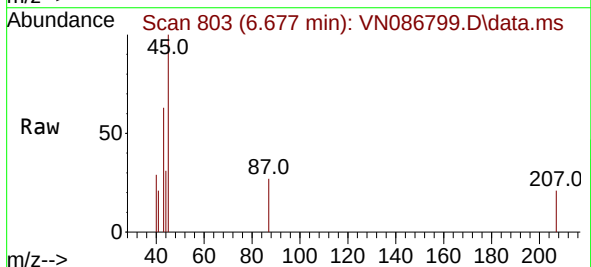
Manual Integrations
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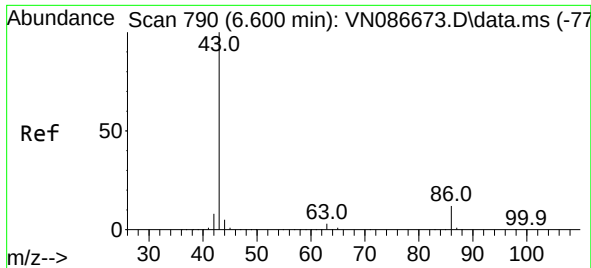
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#22
Diisopropyl ether
Concen: 0.447 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.012 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

Tgt Ion: 45 Resp: 3329
Ion Ratio Lower Upper
45 100
43 62.7 41.4 62.2#
87 26.9 22.9 34.3
59 0.0 10.1 15.1#





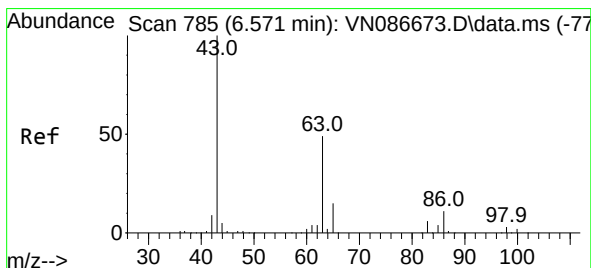
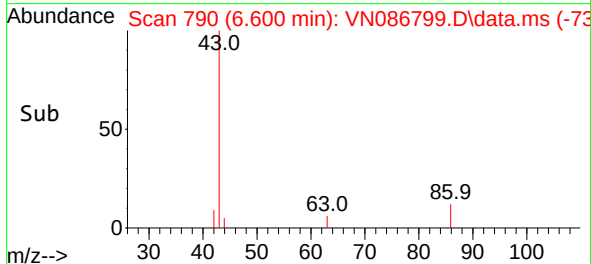
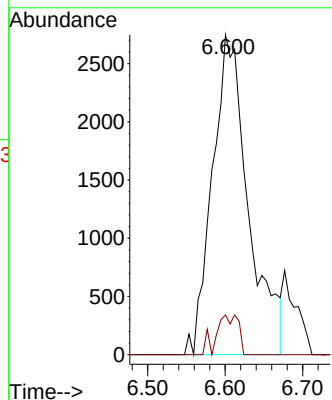
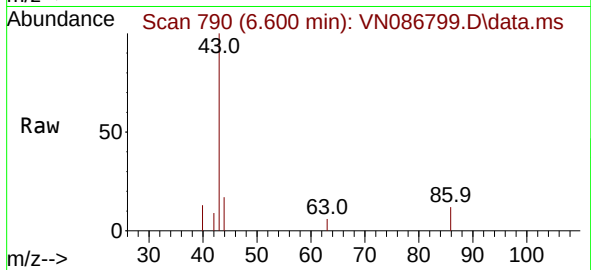
#23
 Vinyl Acetate
 Concen: 1.583 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

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

Tgt Ion: 43 Resp: 8862
 Ion Ratio Lower Upper
 43 100
 86 12.4 9.5 14.3

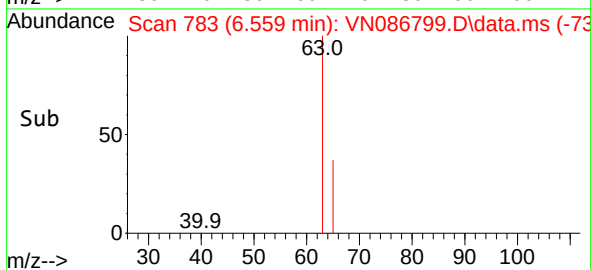
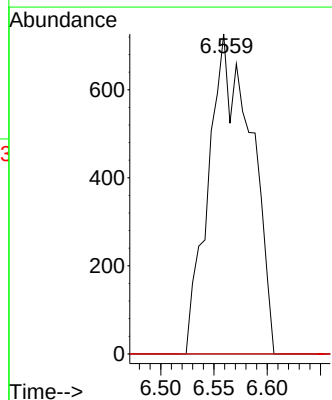
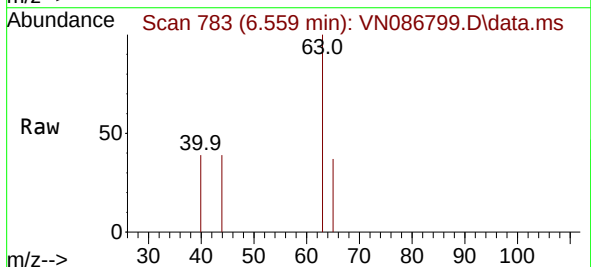
Manual Integrations
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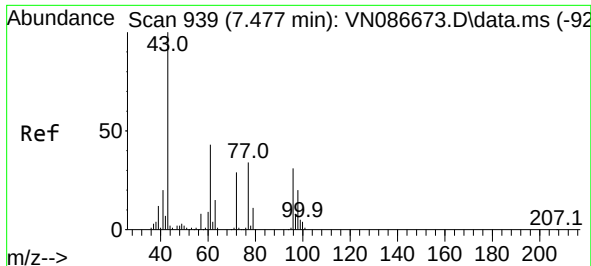
Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#24
 1,1-Dichloroethane
 Concen: 0.464 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. -0.012 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

Tgt Ion: 63 Resp: 2030
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.4 7.1#





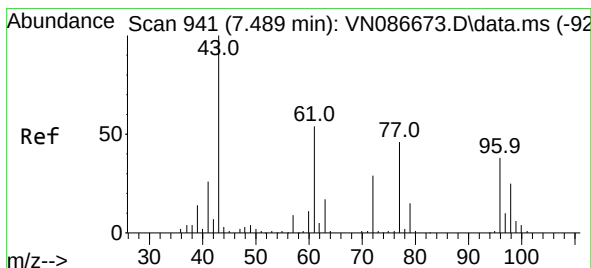
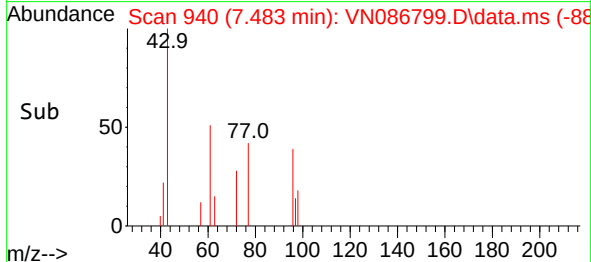
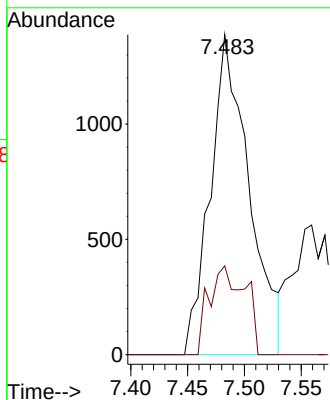
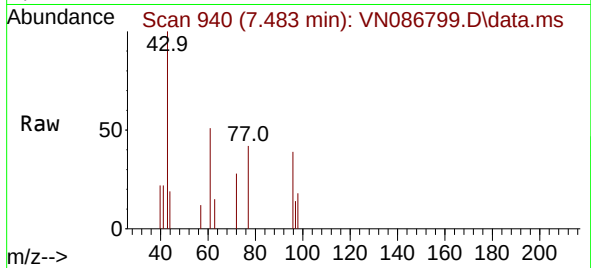
#25
2-Butanone
Concen: 2.111 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion: 43 Resp: 3298
Ion Ratio Lower Upper
43 100
72 27.7 23.1 34.7

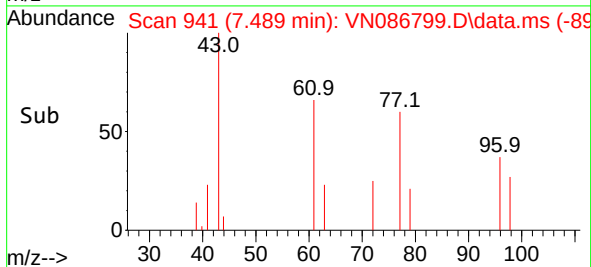
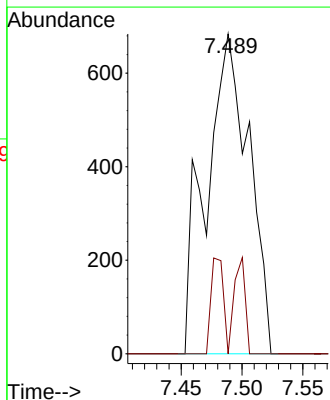
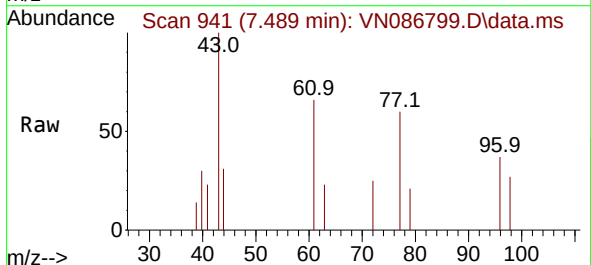
Manual Integrations
APPROVED

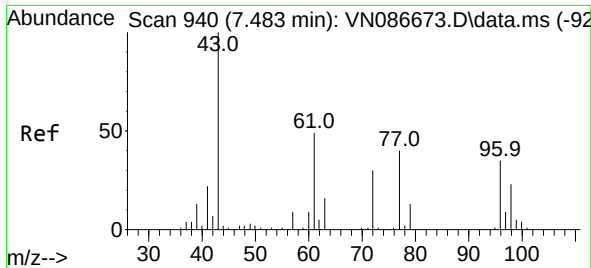
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#26
2,2-Dichloropropane
Concen: 0.464 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

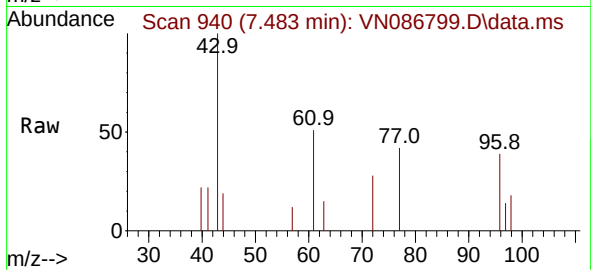
Tgt Ion: 77 Resp: 1676
Ion Ratio Lower Upper
77 100
97 7.6 11.6 34.7#





#27
 cis-1,2-Dichloroethene
 Concen: 0.376 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

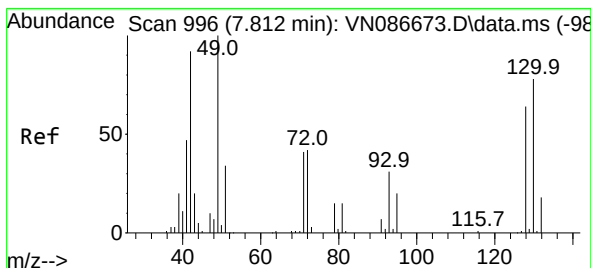
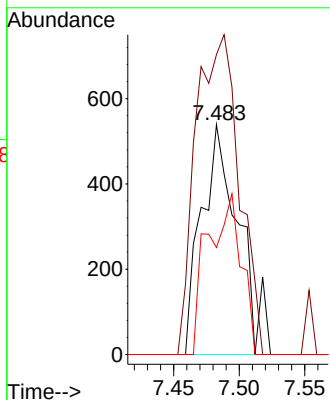
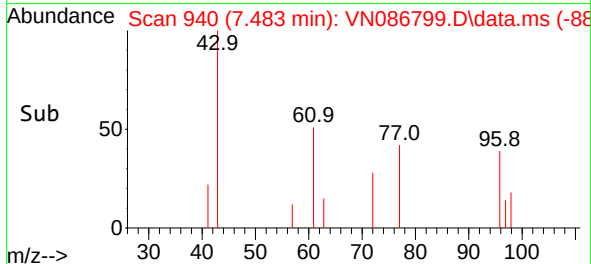
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2025



Tgt Ion: 96 Resp: 1065
 Ion Ratio Lower Upper
 96 100
 61 162.1 0.0 277.4
 98 63.0 0.0 129.6

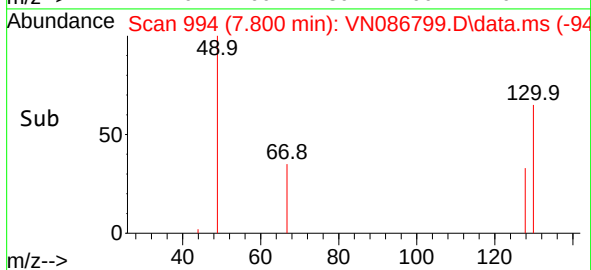
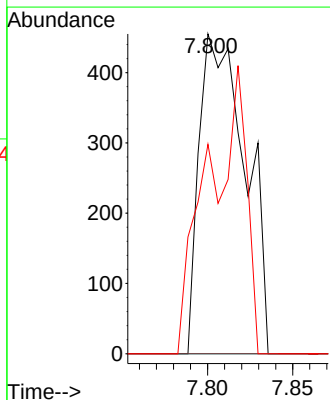
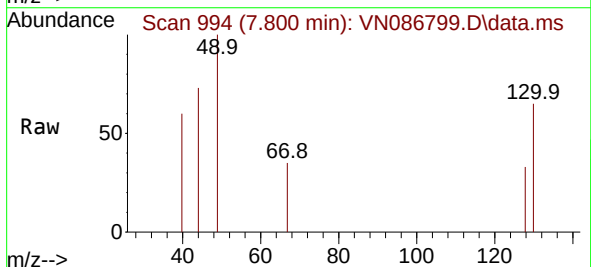
Manual Integrations
 APPROVED

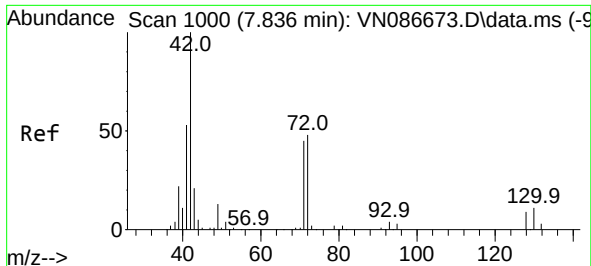
Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#28
 Bromochloromethane
 Concen: 0.430 ug/l
 RT: 7.800 min Scan# 994
 Delta R.T. -0.012 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

Tgt Ion: 49 Resp: 854
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 74.0 62.2 93.4





#29

Tetrahydrofuran

Concen: 1.967 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086799.D

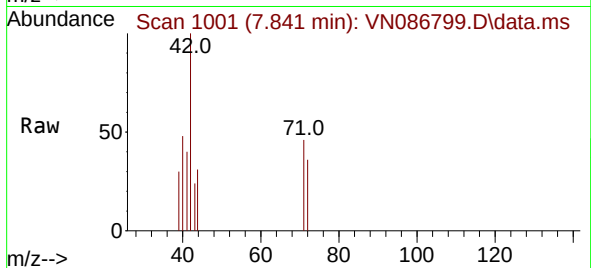
Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025



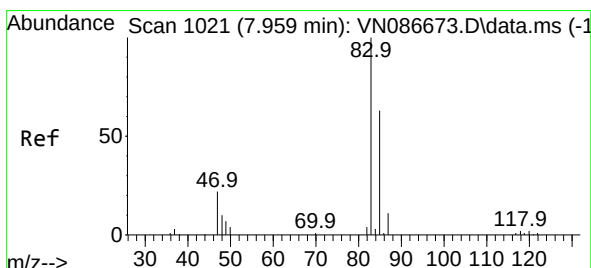
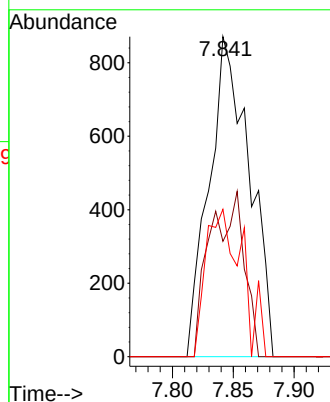
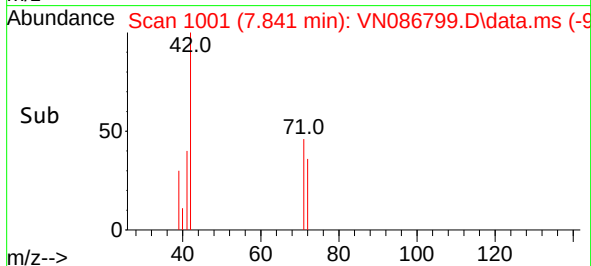
Tgt Ion:	42	Resp:	2000
Ion Ratio	100	Lower	Upper
42	100		
72	22.3	38.7	58.1
71	41.5	36.2	54.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#30

Chloroform

Concen: 0.477 ug/l

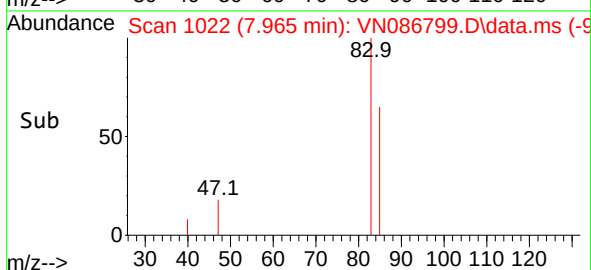
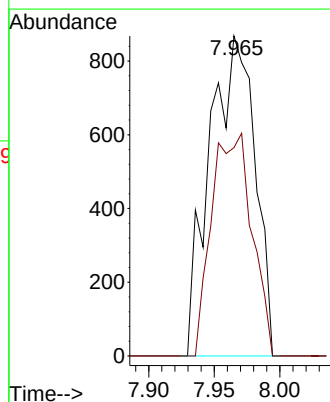
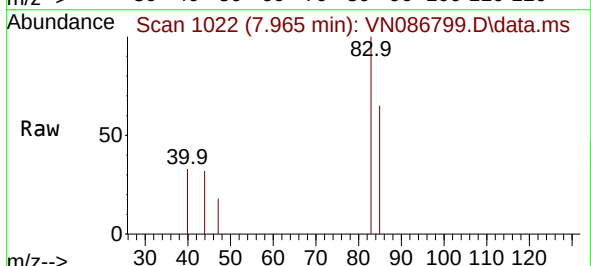
RT: 7.965 min Scan# 1022

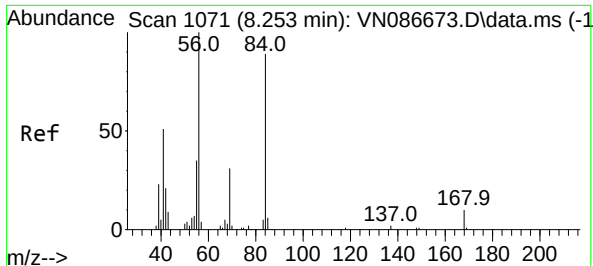
Delta R.T. 0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

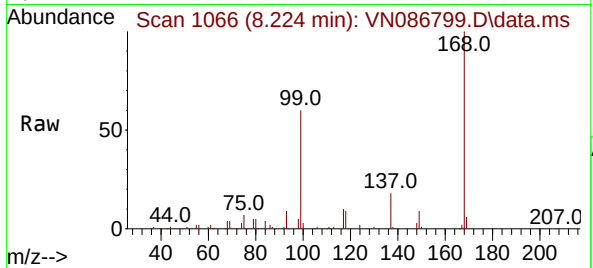
Tgt Ion:	83	Resp:	2089
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	50.2	75.4





#31
Cyclohexane
Concen: 1.375 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

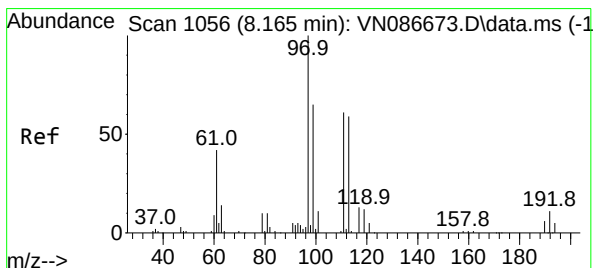
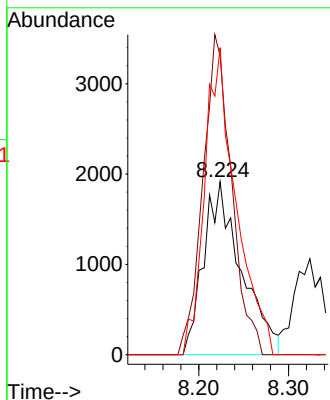
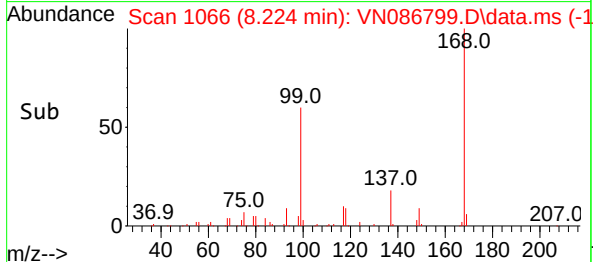
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 56 Resp: 5578
Ion Ratio Lower Upper
56 100
69 172.7 25.0 37.6
84 177.5 71.0 106.4

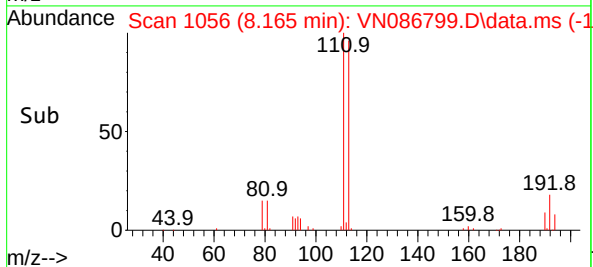
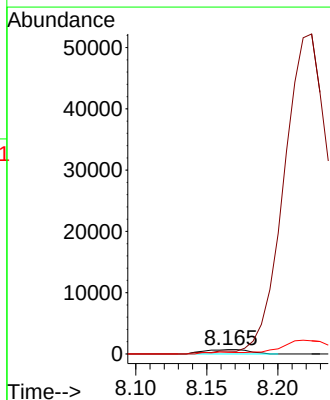
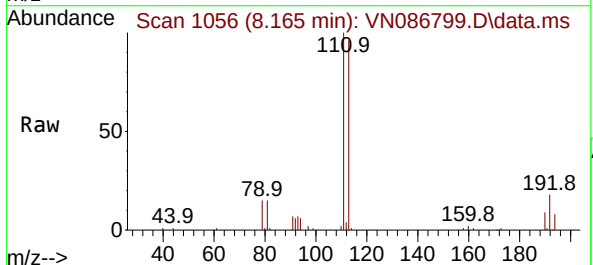
Manual Integrations
APPROVED

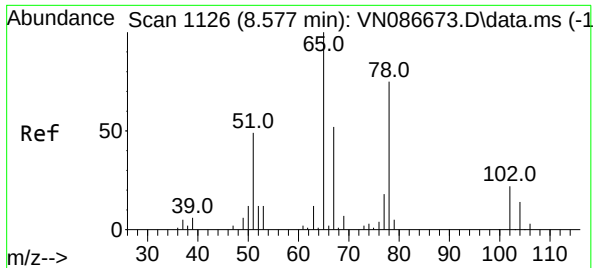
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#32
1,1,1-Trichloroethane
Concen: 0.426 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

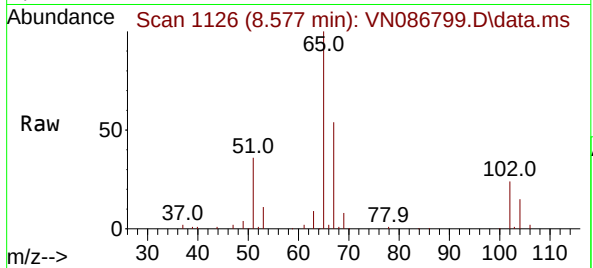
Tgt Ion: 97 Resp: 1572
Ion Ratio Lower Upper
97 100
99 0.0 52.6 79.0#
61 27.5 37.7 56.5#





#33
1,2-Dichloroethane-d4
Concen: 47.069 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

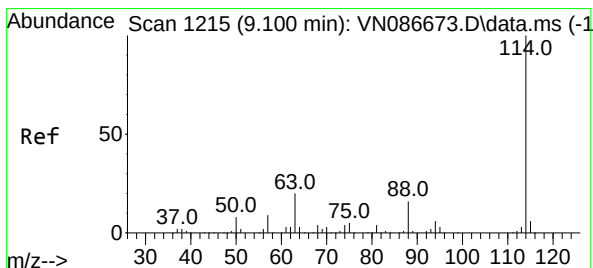
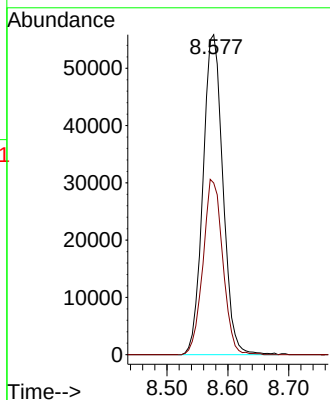
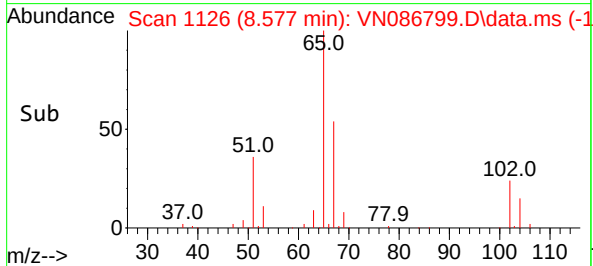
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



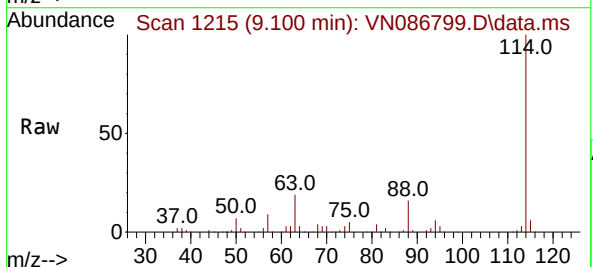
Tgt Ion: 65 Resp: 12719
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.4

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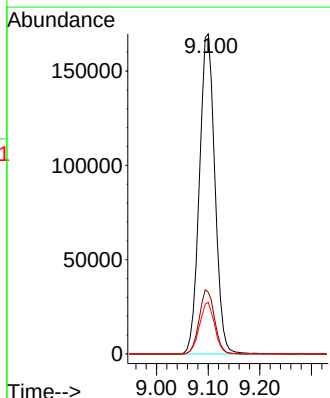
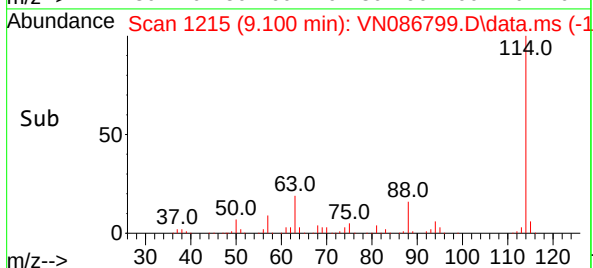
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

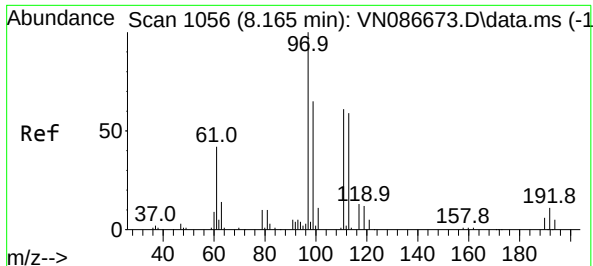


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:114 Resp: 353285
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.2
88 16.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.714 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

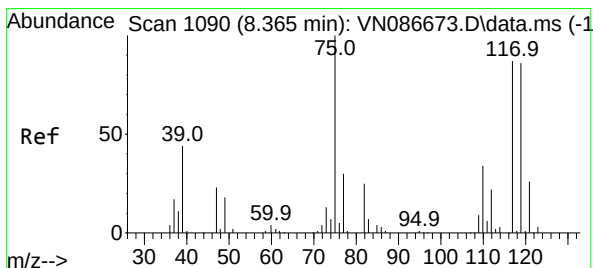
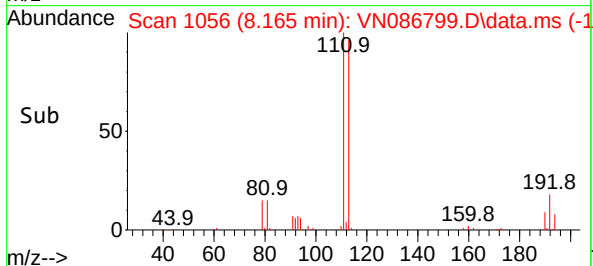
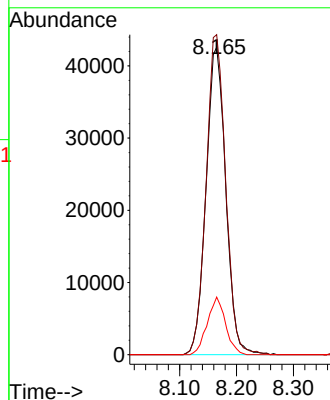
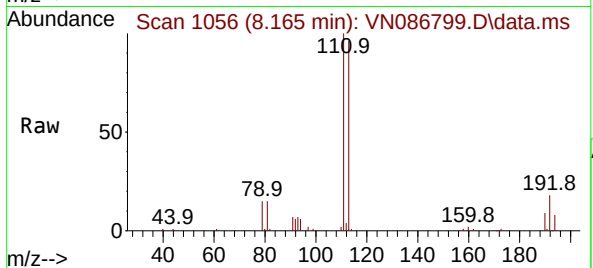
Tgt Ion:	113	Resp:	10249
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.2	123.2
192	17.4	13.8	20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#36

1,1-Dichloropropene

Concen: 0.442 ug/l

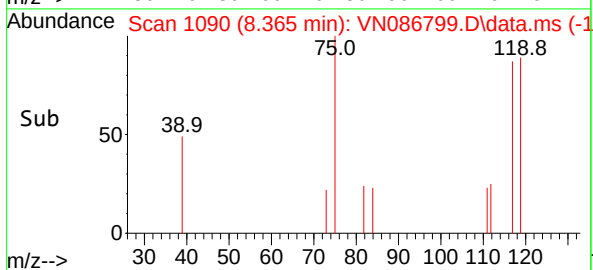
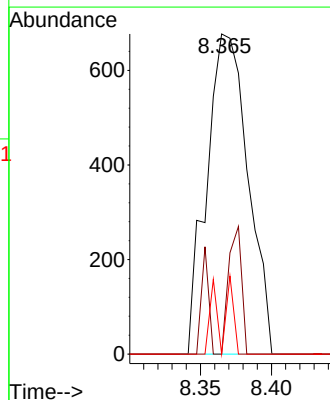
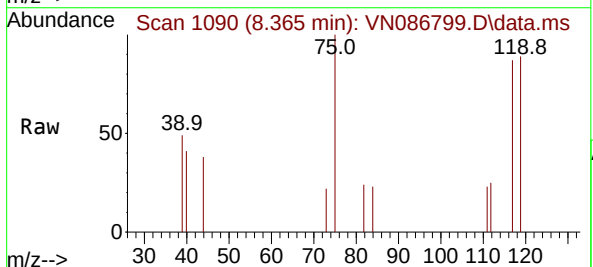
RT: 8.365 min Scan# 1090

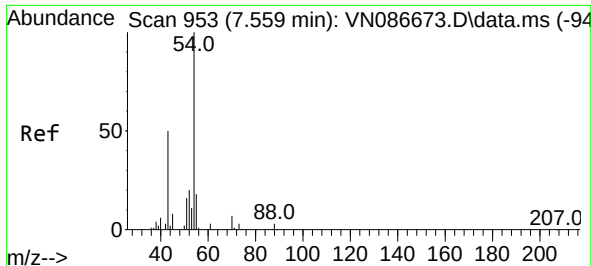
Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

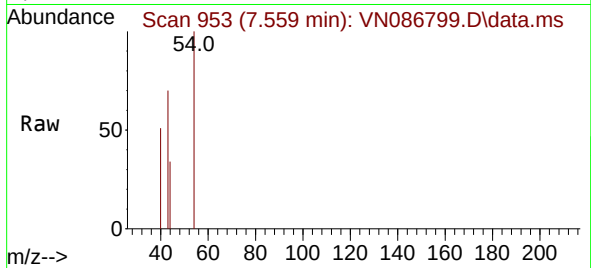
Tgt Ion:	75	Resp:	1372
Ion Ratio	Lower	Upper	
75	100		
110	12.5	17.5	52.5#
77	8.3	25.1	37.7#





#37
Ethyl Acetate
Concen: 0.422 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

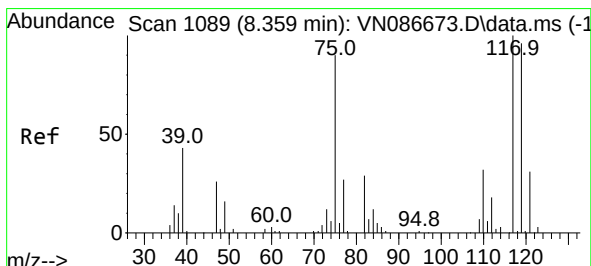
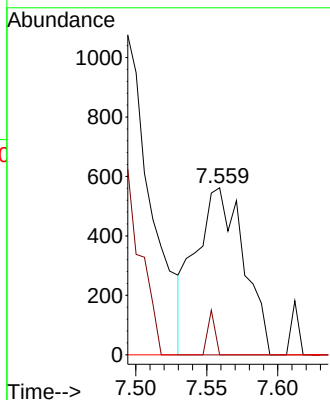
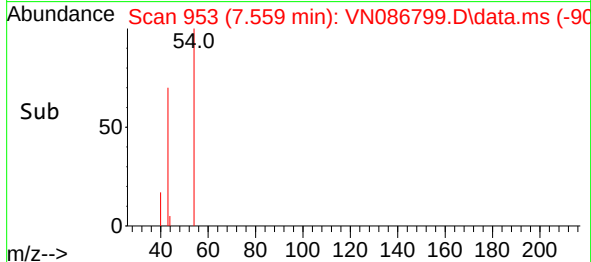
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
61 4.0 11.6 17.4
70 0.0 9.4 14.0

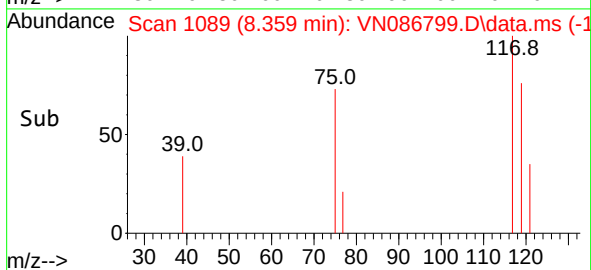
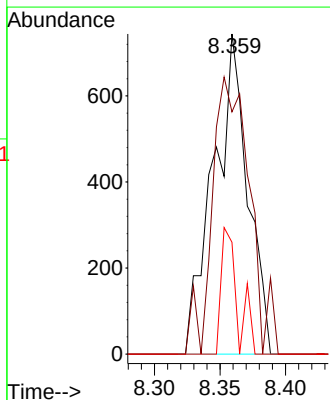
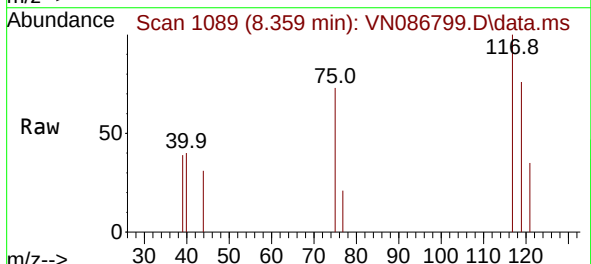
Manual Integrations
APPROVED

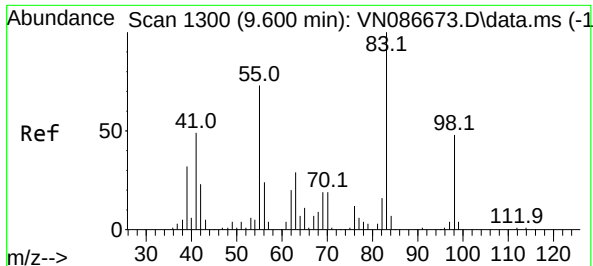
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#38
Carbon Tetrachloride
Concen: 0.442 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

Tgt Ion:117 Resp: 1352
Ion Ratio Lower Upper
117 100
119 75.7 77.0 115.6
121 34.9 25.0 37.6





#39

Methylcyclohexane

Concen: 0.429 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

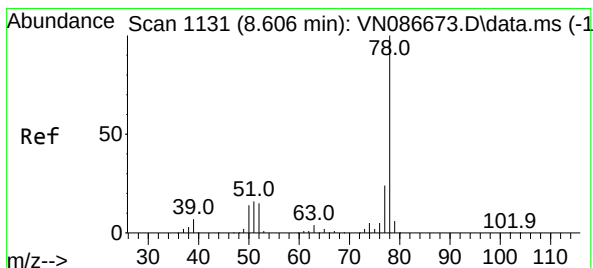
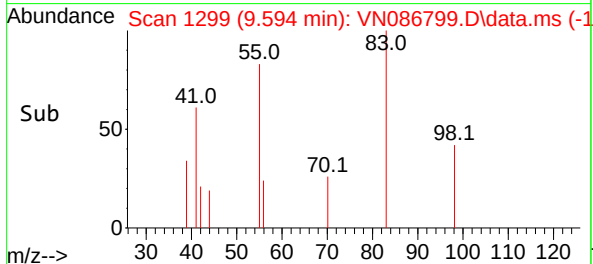
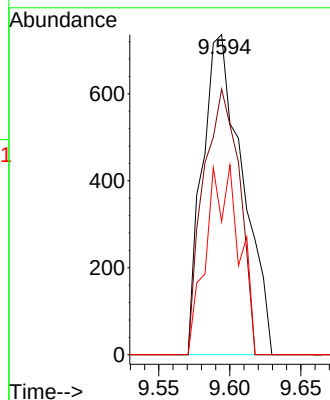
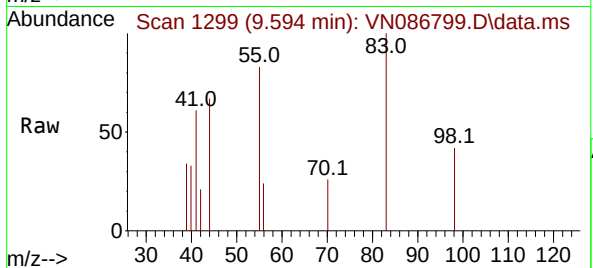
Tgt Ion: 83	Resp: 144
Ion Ratio	Lower Upper
83	100
55	83.0 58.2 87.4
98	41.6 38.4 57.6

Manual Integrations

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Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#40

Benzene

Concen: 0.484 ug/l

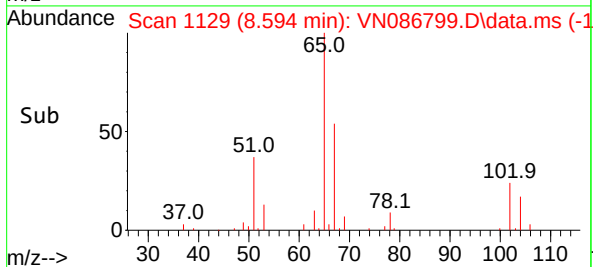
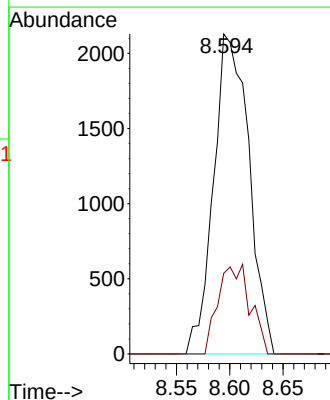
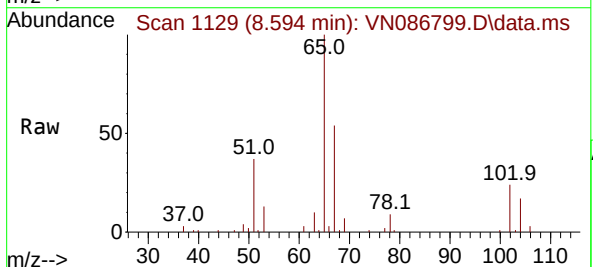
RT: 8.594 min Scan# 1129

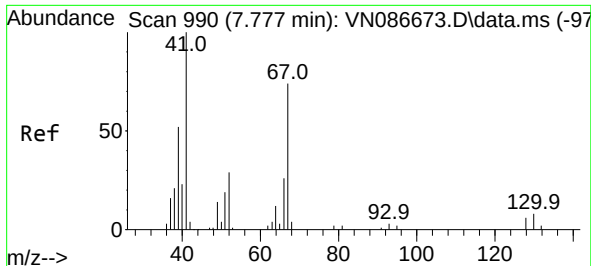
Delta R.T. -0.012 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

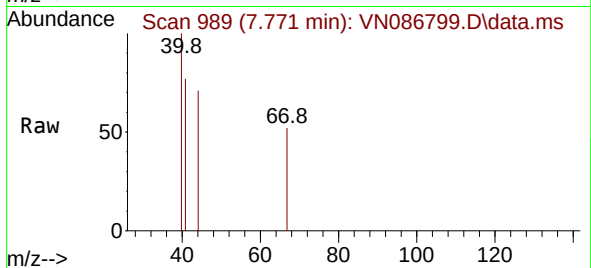
Tgt Ion: 78	Resp: 4901
Ion Ratio	Lower Upper
78	100
77	25.2 19.1 28.7





#41
Methacrylonitrile
Concen: 0.289 ug/l
RT: 7.771 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

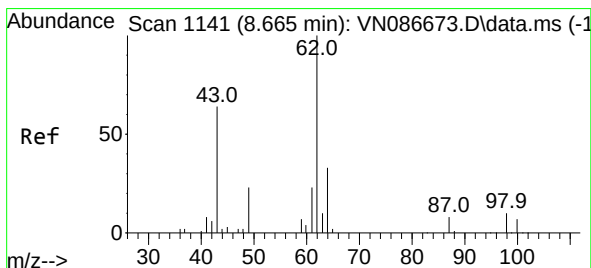
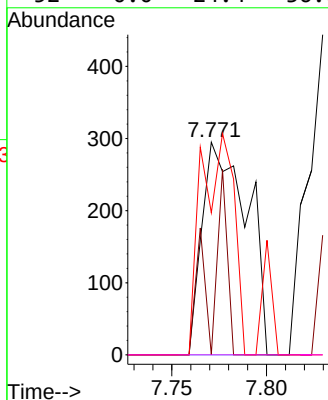
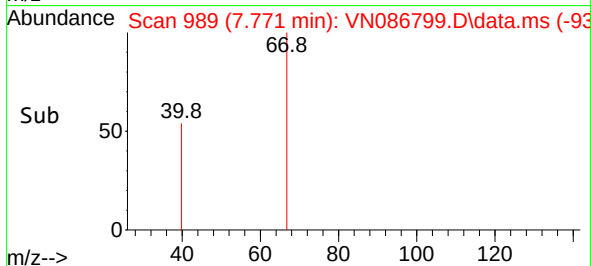
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



Tgt Ion: 41 Resp: 489
Ion Ratio Lower Upper
41 100
39 12.7 44.9 67.3
67 74.8 63.4 95.0
52 0.0 24.4 36.6#

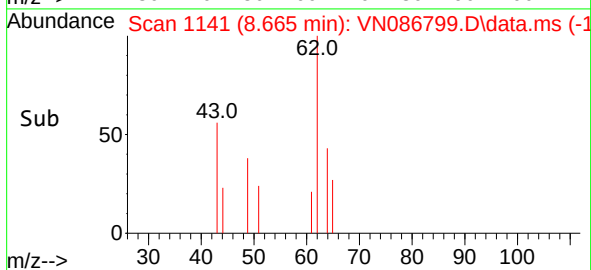
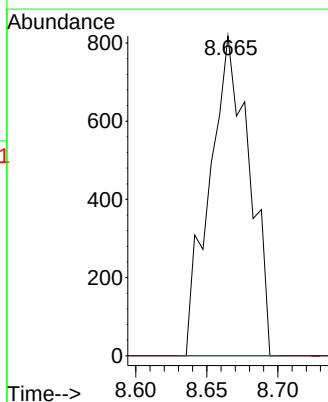
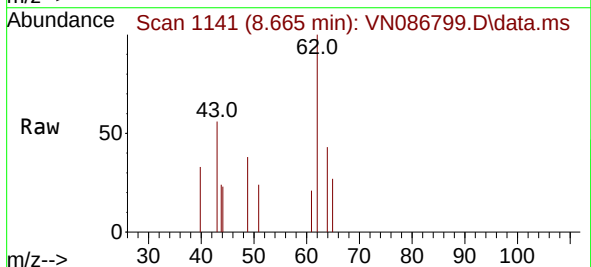
Manual Integrations
APPROVED

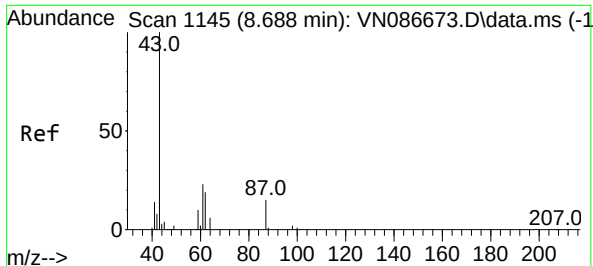
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#42
1,2-Dichloroethane
Concen: 0.503 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

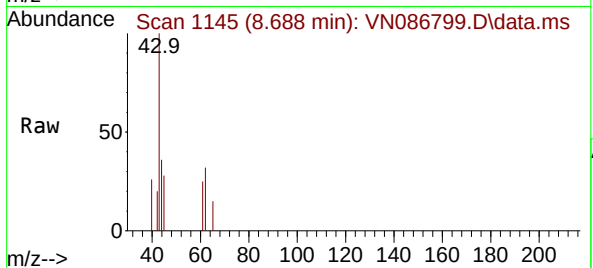
Tgt Ion: 62 Resp: 1587
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2





#43
Isopropyl Acetate
Concen: 0.481 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

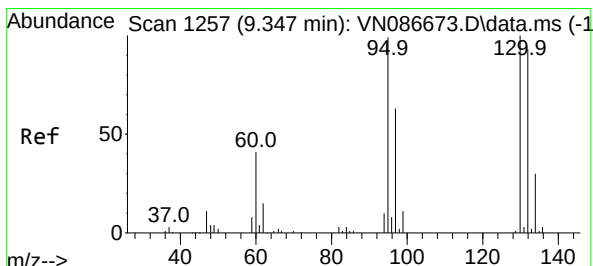
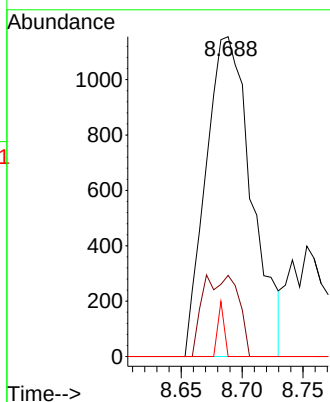
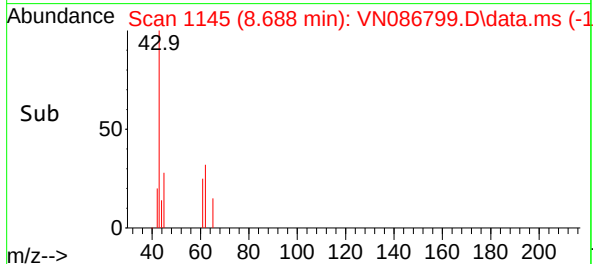
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



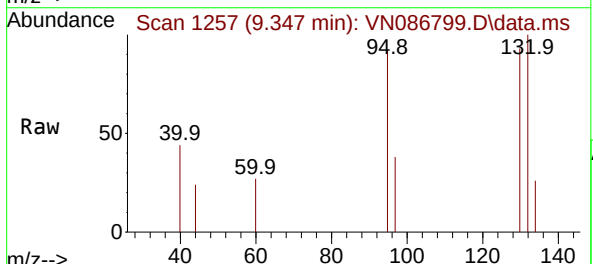
Tgt Ion: 43 Resp: 3025
Ion Ratio Lower Upper
43 100
61 19.7 21.4 32.2
87 2.3 11.1 16.7

Manual Integrations
APPROVED

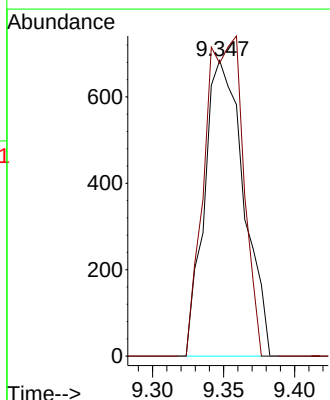
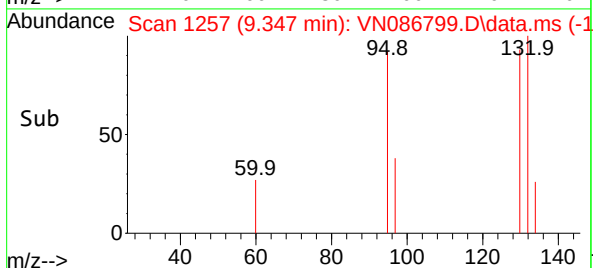
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

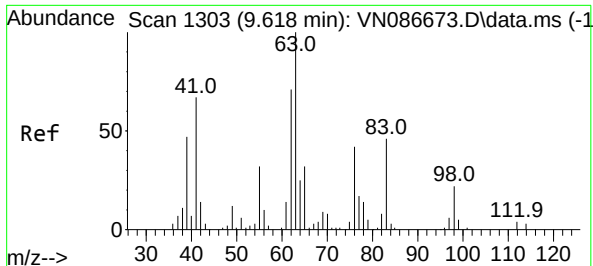


#44
Trichloroethene
Concen: 0.540 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:130 Resp: 1318
Ion Ratio Lower Upper
130 100
95 99.1 0.0 197.0





#45

1,2-Dichloropropane

Concen: 0.455 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

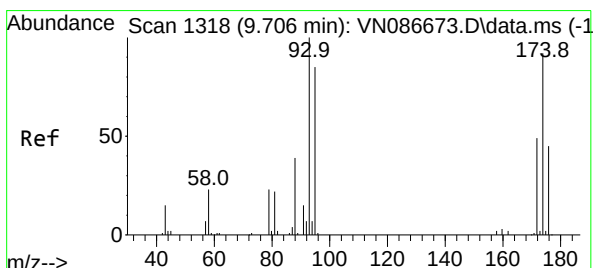
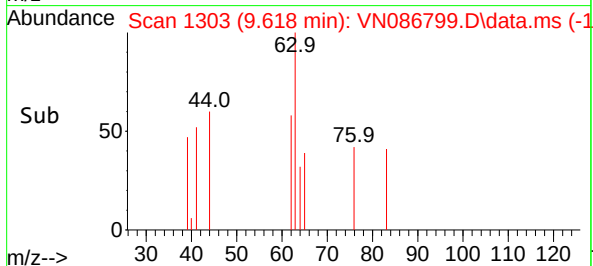
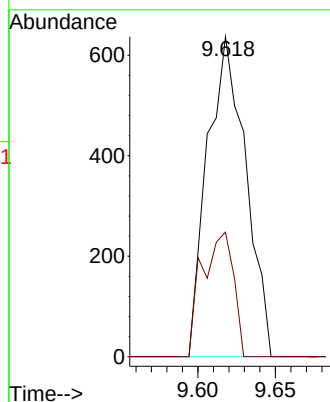
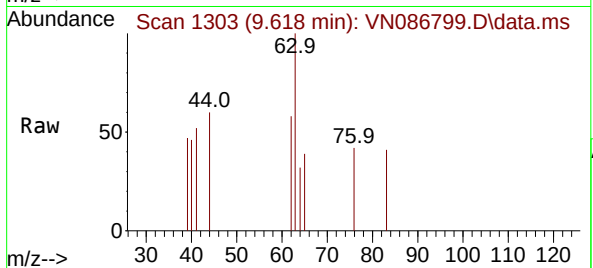
Tgt Ion: 63 Resp: 109
 Ion Ratio Lower Upper
 63 100
 65 38.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#46

Dibromomethane

Concen: 0.420 ug/l

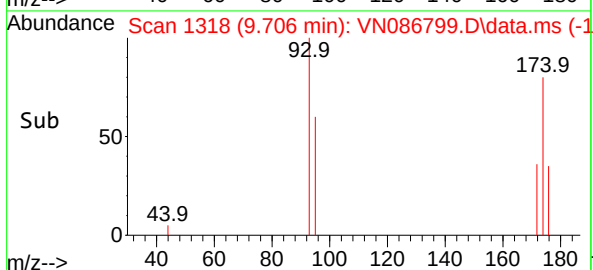
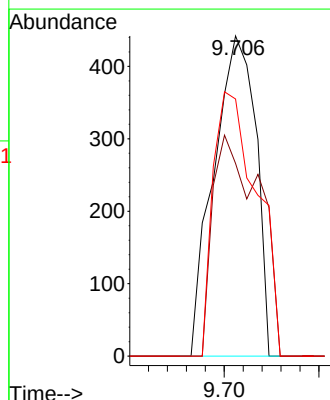
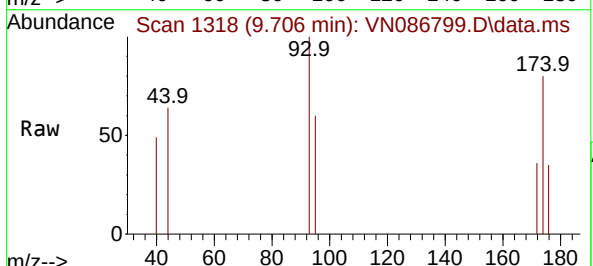
RT: 9.706 min Scan# 1318

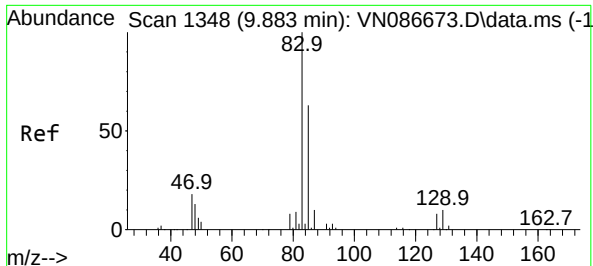
Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Tgt Ion: 93 Resp: 681
 Ion Ratio Lower Upper
 93 100
 95 76.7 67.1 100.7
 174 85.9 73.8 110.6





#47

Bromodichloromethane

Concen: 0.422 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 83 Resp: 141

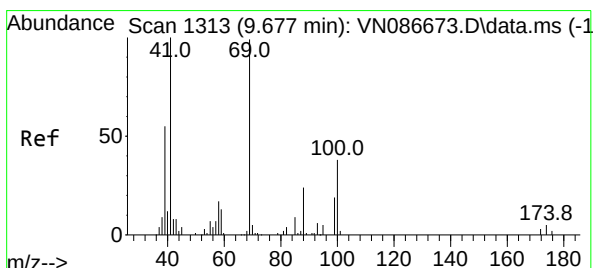
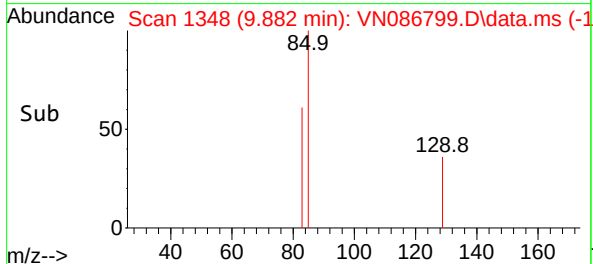
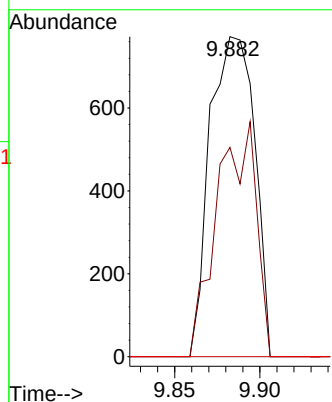
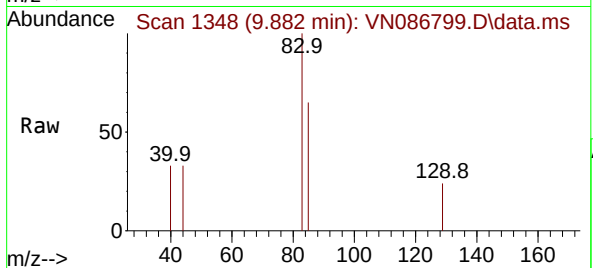
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.1	75.1
127	0.0	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#48

Methyl methacrylate

Concen: 0.370 ug/l

RT: 9.677 min Scan# 1313

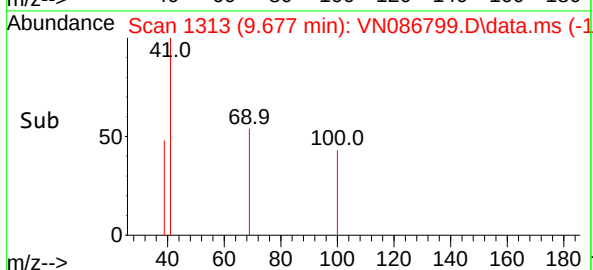
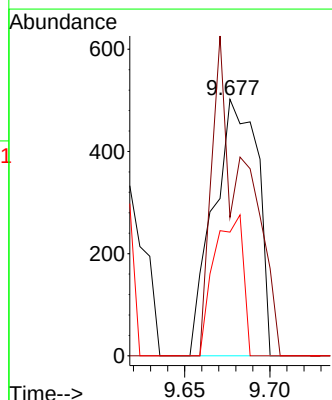
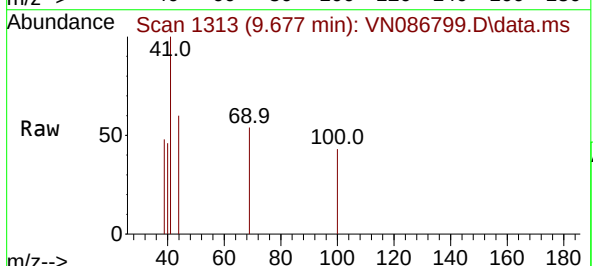
Delta R.T. -0.000 min

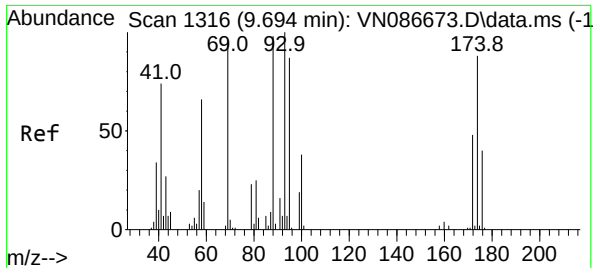
Lab File: VN086799.D

Acq: 28 May 2025 15:09

Tgt Ion: 41 Resp: 900

Ion	Ratio	Lower	Upper
41	100		
69	94.9	74.1	111.1
39	36.2	44.1	66.1





#49

1,4-Dioxane

Concen: 2.773 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

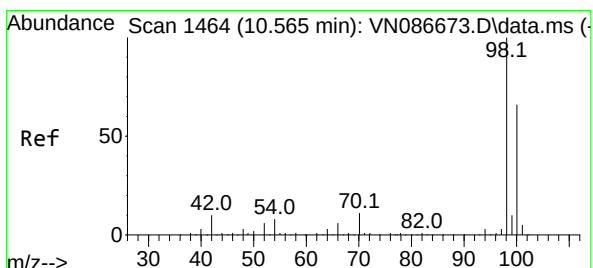
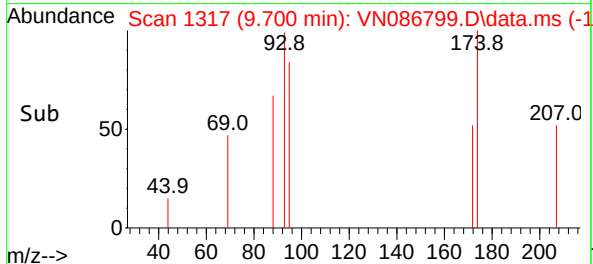
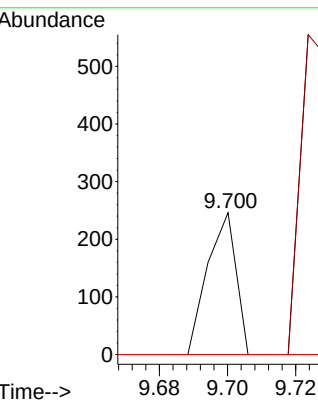
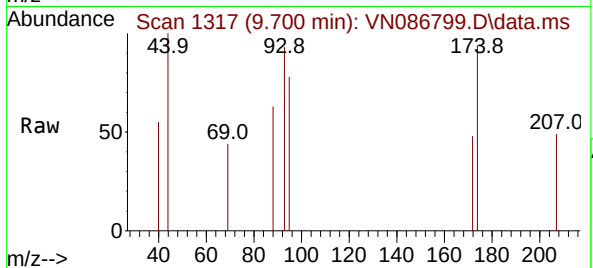
Tgt Ion: 88	Resp: 14
Ion Ratio	Lower Upper
88 100	
43 0.0	23.6 35.4
58 0.0	55.3 82.9

Manual Integrations

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Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#50

Toluene-d8

Concen: 48.162 ug/l

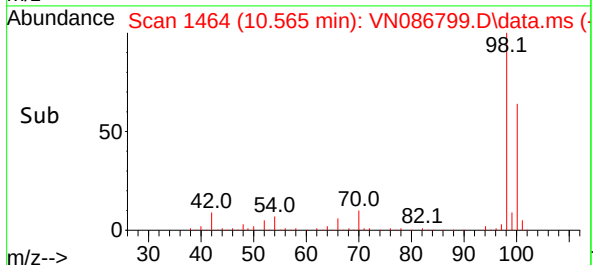
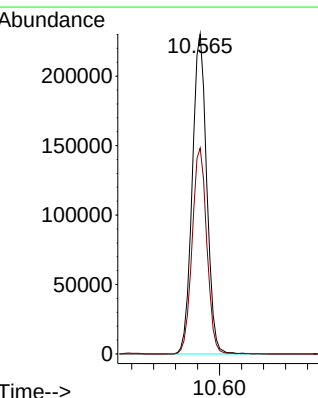
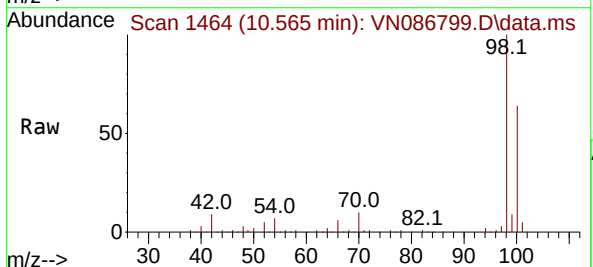
RT: 10.565 min Scan# 1464

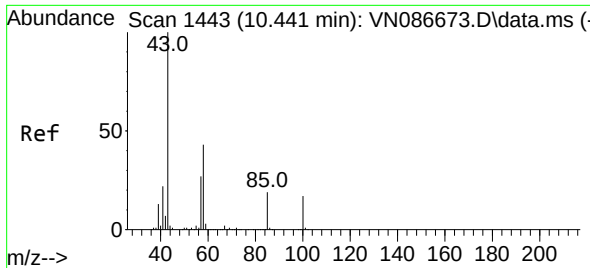
Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Tgt Ion: 98	Resp: 419920
Ion Ratio	Lower Upper
98 100	
100 65.2	52.9 79.3





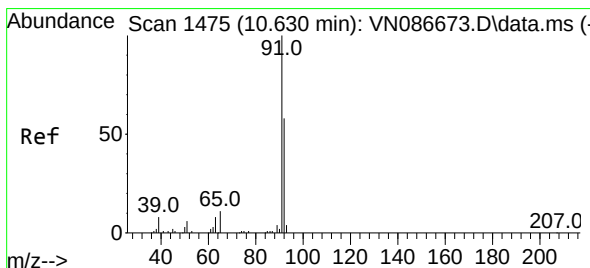
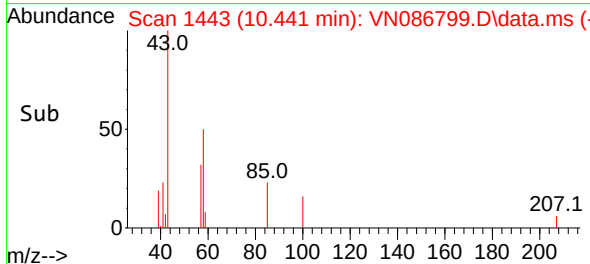
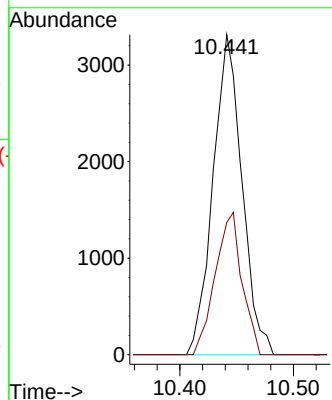
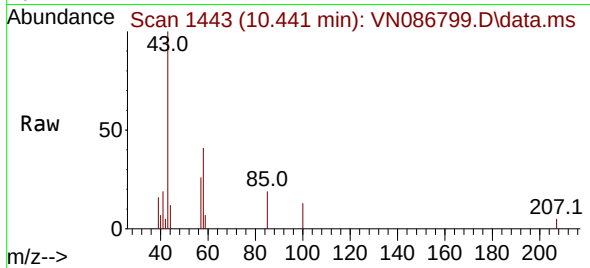
#51
4-Methyl-2-Pentanone
Concen: 1.850 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion: 43 Resp: 5864
Ion Ratio Lower Upper
43 100
58 41.2 33.9 50.9

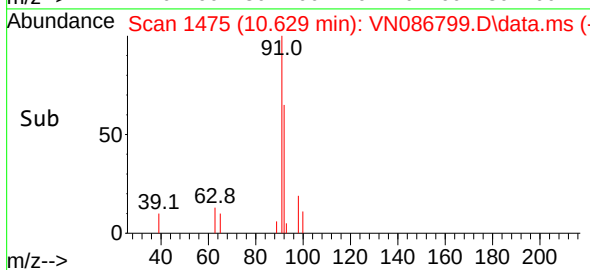
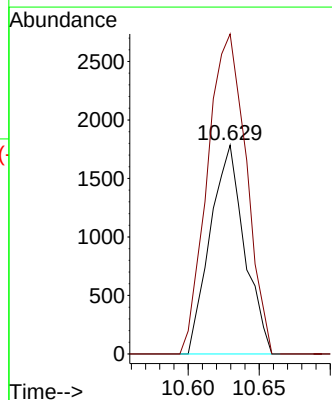
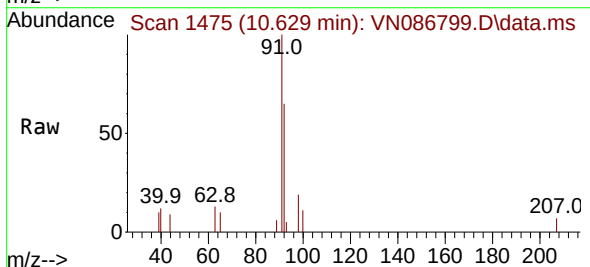
Manual Integrations
APPROVED

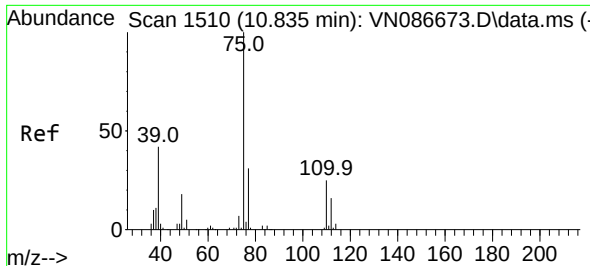
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#52
Toluene
Concen: 0.476 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

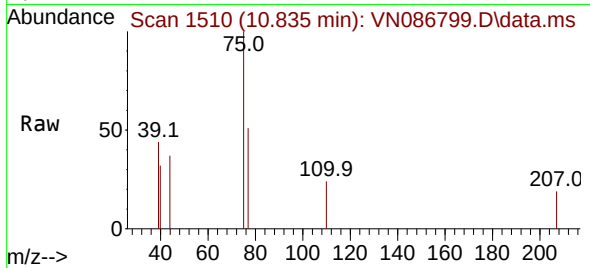
Tgt Ion: 92 Resp: 2992
Ion Ratio Lower Upper
92 100
91 173.9 137.8 206.8





#53
t-1,3-Dichloropropene
Concen: 0.449 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

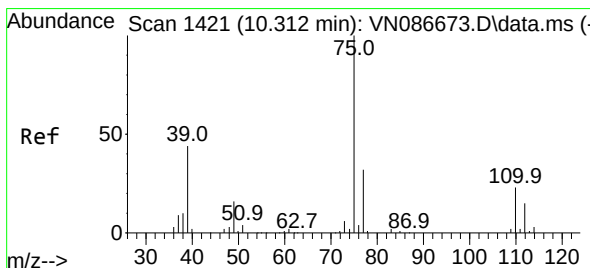
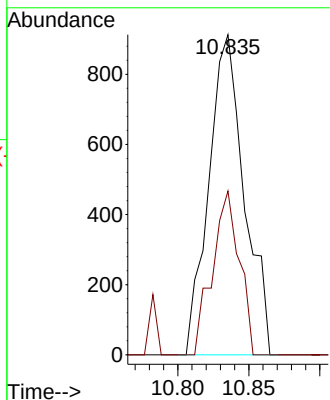
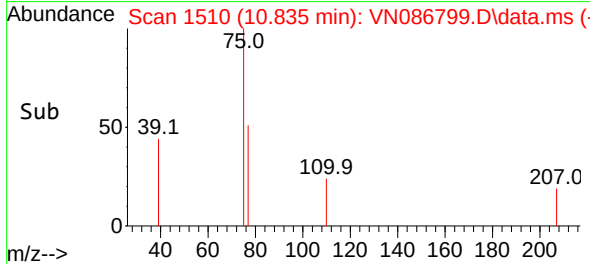
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



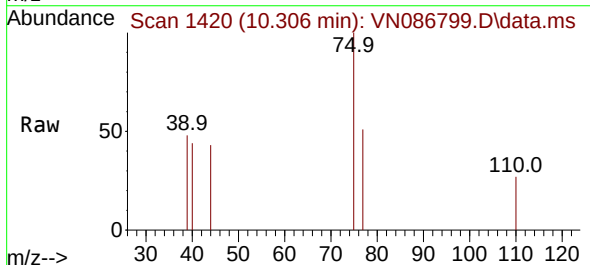
Tgt Ion: 75 Resp: 1588
Ion Ratio Lower Upper
75 100
77 51.2 25.2 37.8

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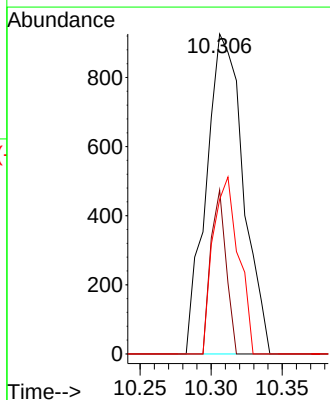
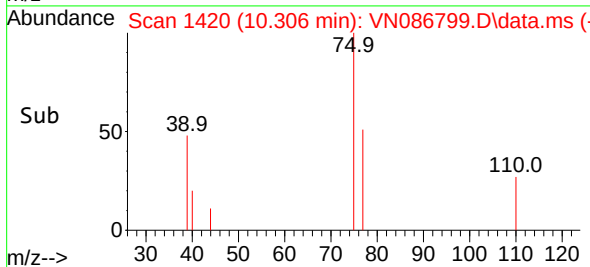
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

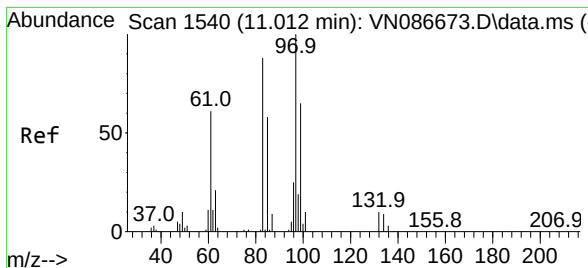


#54
cis-1,3-Dichloropropene
Concen: 0.434 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



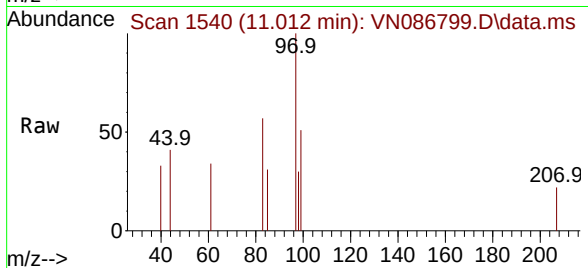
Tgt Ion: 75 Resp: 1677
Ion Ratio Lower Upper
75 100
77 51.2 25.3 37.9#
39 48.3 35.2 52.8





#55
1,1,2-Trichloroethane
Concen: 0.472 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

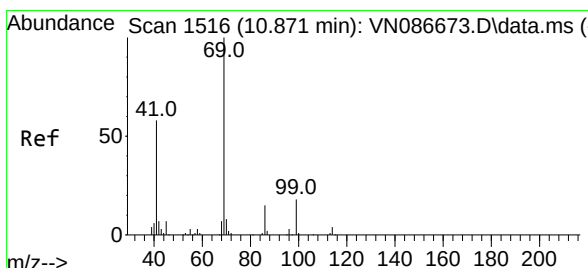
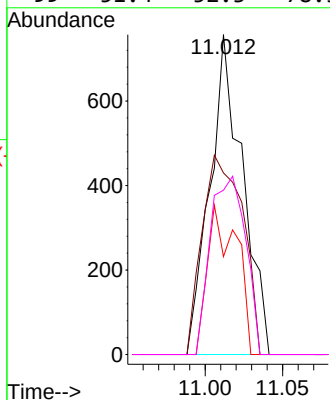
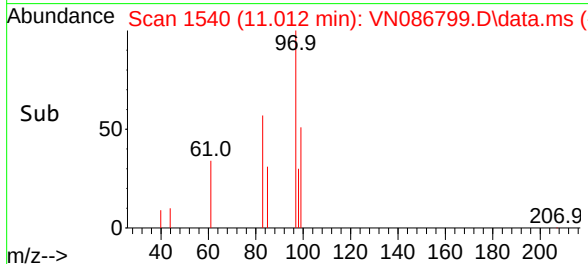
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



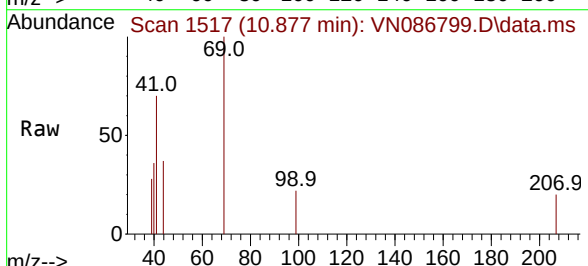
Tgt Ion	Ratio	Lower	Upper
97	100		
83	56.8	70.4	105.6
85	30.6	46.1	69.1
99	51.4	52.3	78.5

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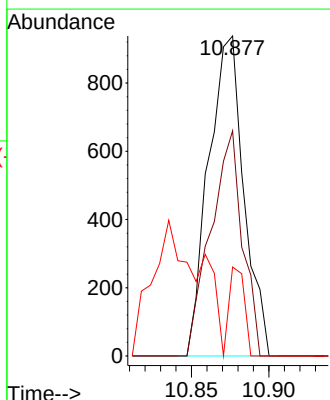
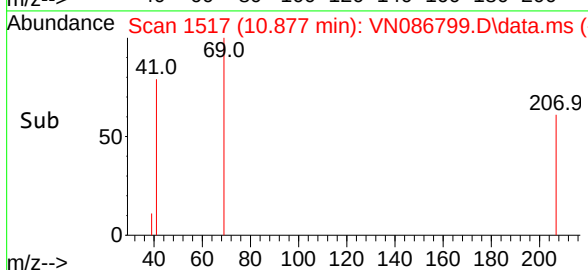
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

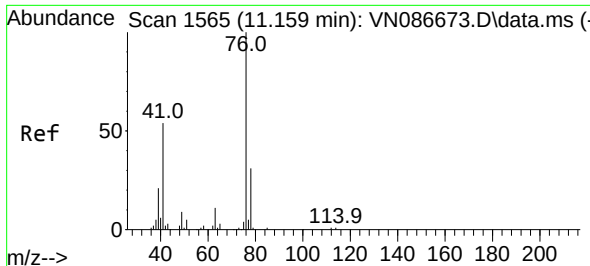


#56
Ethyl methacrylate
Concen: 0.394 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.5	47.4	71.0
39	11.9	24.0	36.0





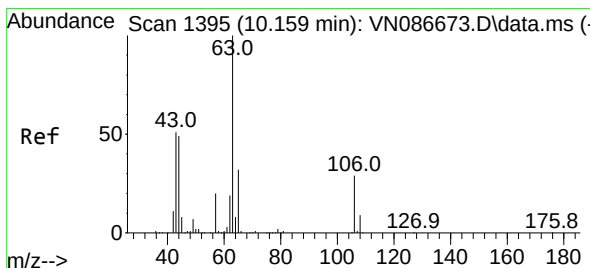
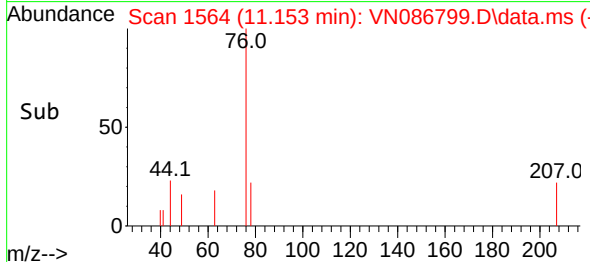
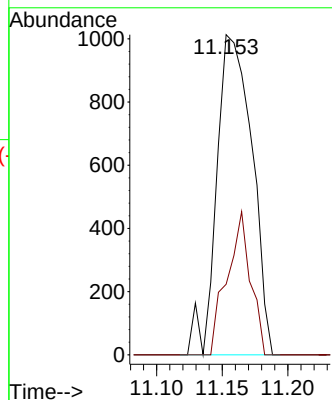
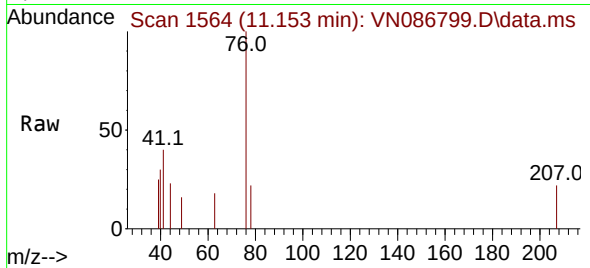
#57
1,3-Dichloropropane
Concen: 0.469 ug/l
RT: 11.153 min Scan# 1115
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion: 76 Resp: 189
Ion Ratio Lower Upper
76 100
78 29.7 25.8 38.8

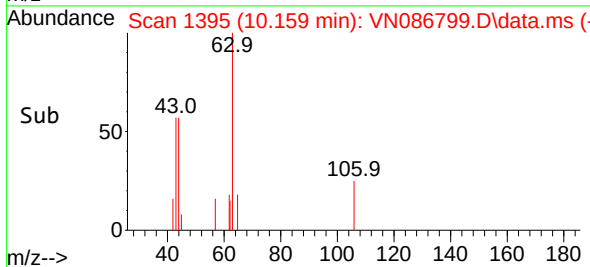
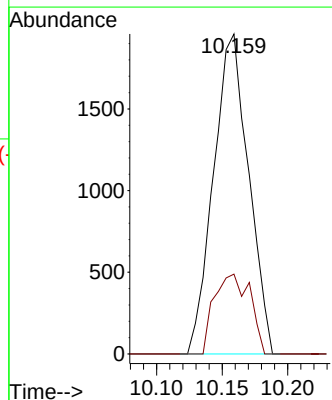
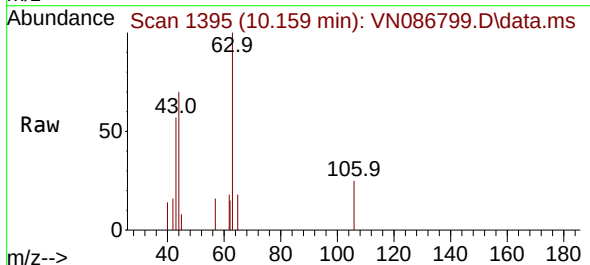
Manual Integrations
APPROVED

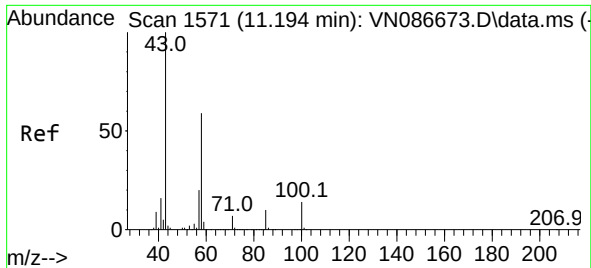
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#58
2-Chloroethyl Vinyl ether
Concen: 2.163 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

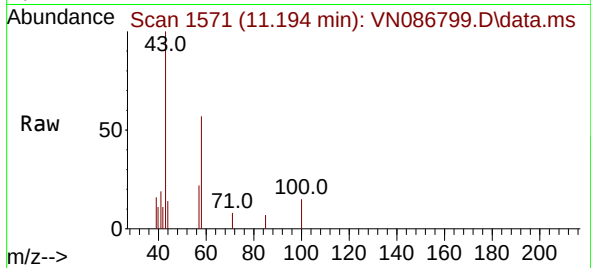
Tgt Ion: 63 Resp: 3643
Ion Ratio Lower Upper
63 100
106 25.4 23.1 34.7





#59
2-Hexanone
Concen: 1.791 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

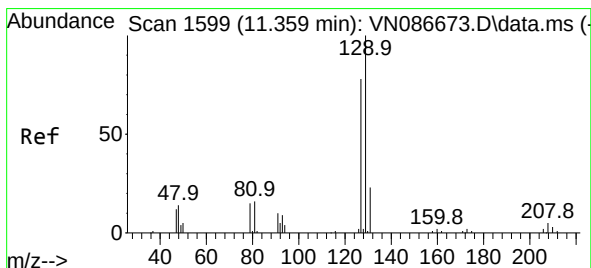
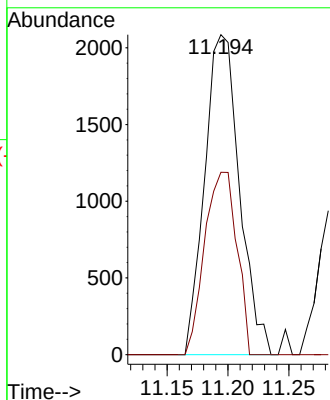
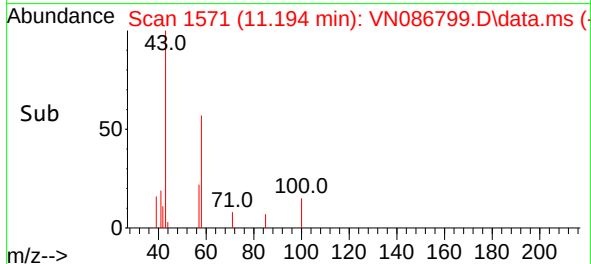
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
58 52.5 29.8 89.5

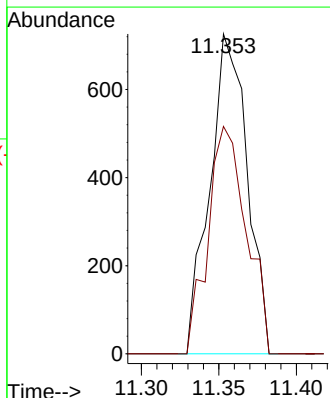
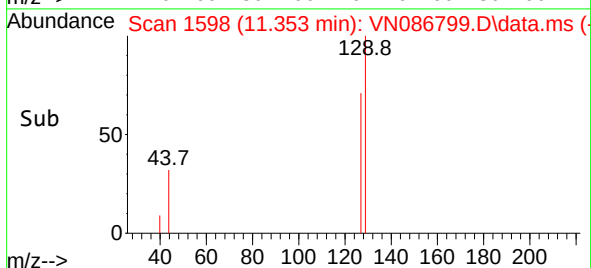
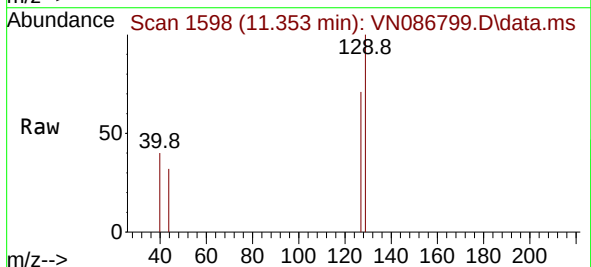
Manual Integrations
APPROVED

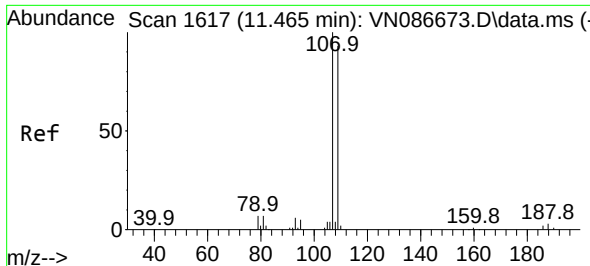
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#60
Dibromochloromethane
Concen: 0.496 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

Tgt Ion:129 Resp: 1221
Ion Ratio Lower Upper
129 100
127 72.8 39.5 118.3





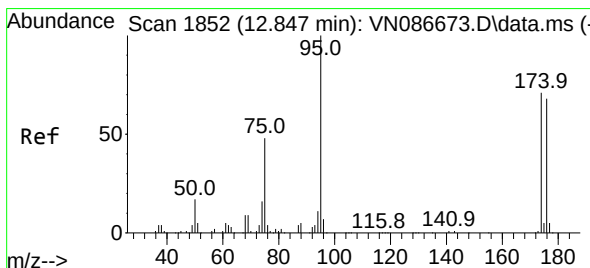
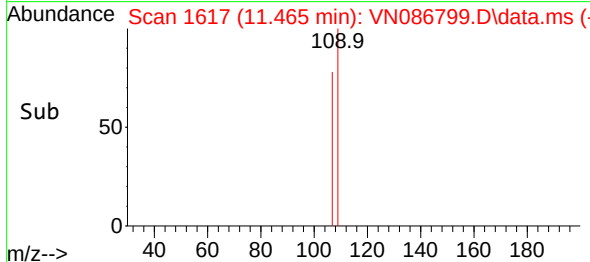
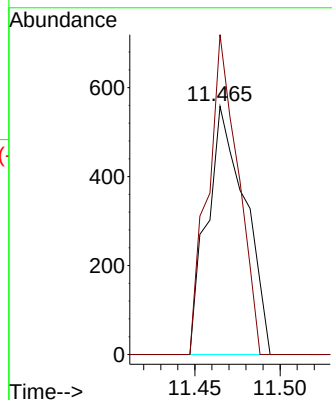
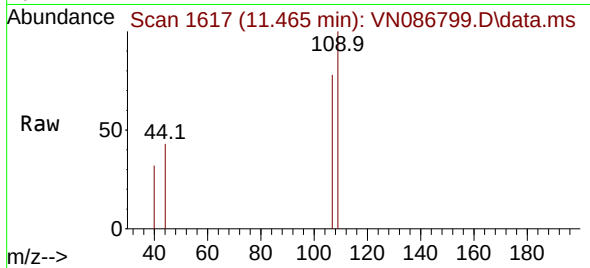
#61
1,2-Dibromoethane
Concen: 0.366 ug/l
RT: 11.465 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion:107 Resp: 864
Ion Ratio Lower Upper
107 100
109 102.7 75.0 112.4

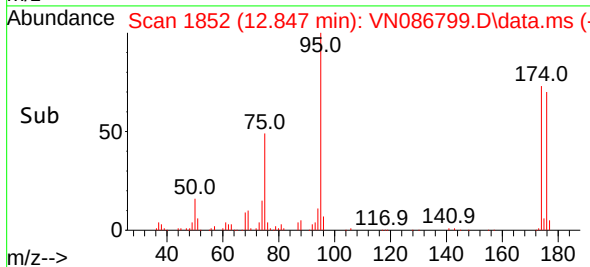
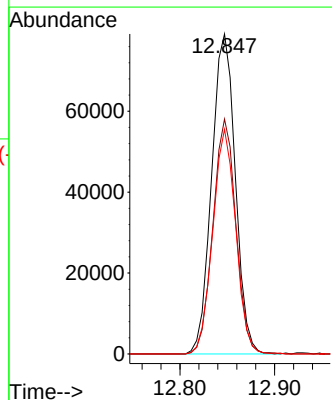
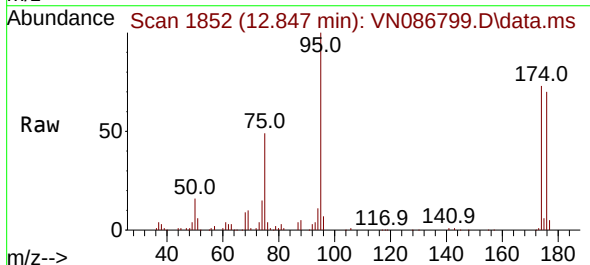
Manual Integrations
APPROVED

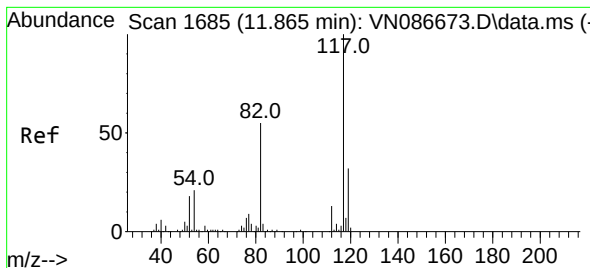
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#62
4-Bromofluorobenzene
Concen: 44.552 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

Tgt Ion: 95 Resp: 137157
Ion Ratio Lower Upper
95 100
174 71.2 0.0 145.4
176 68.1 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

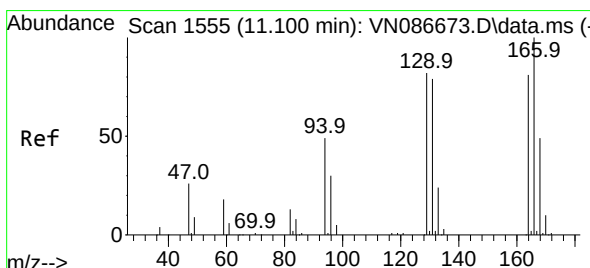
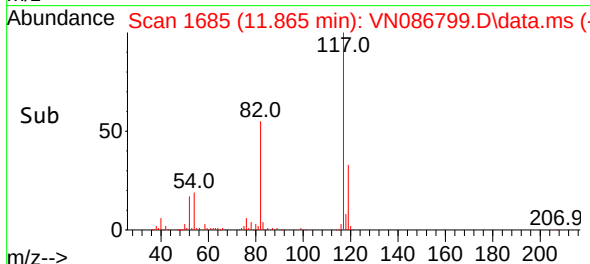
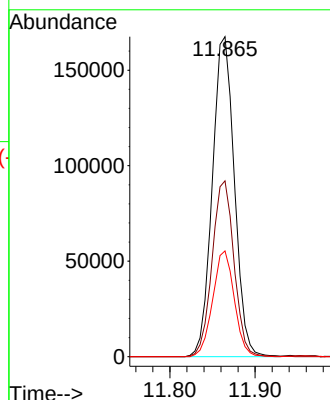
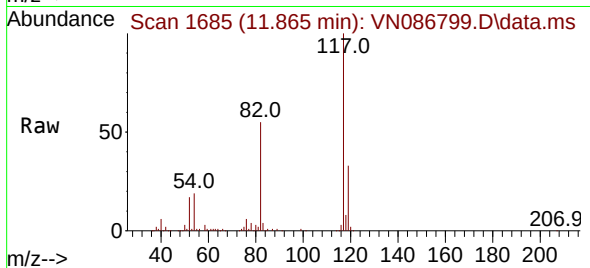
Tgt Ion:117	Resp: 301814
Ion Ratio	Lower Upper
117 100	
82 55.0	44.2 66.2
119 33.0	25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#64

Tetrachloroethene

Concen: 0.609 ug/l

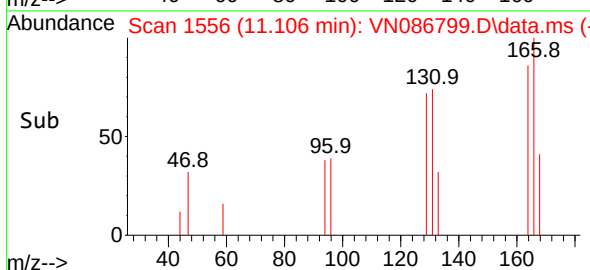
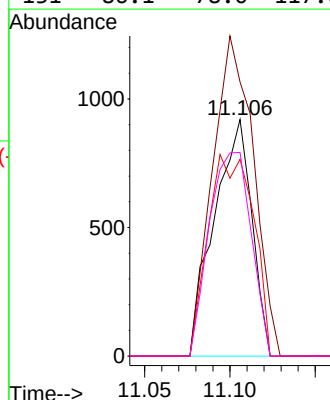
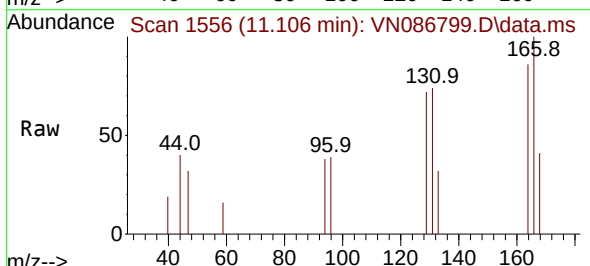
RT: 11.106 min Scan# 1556

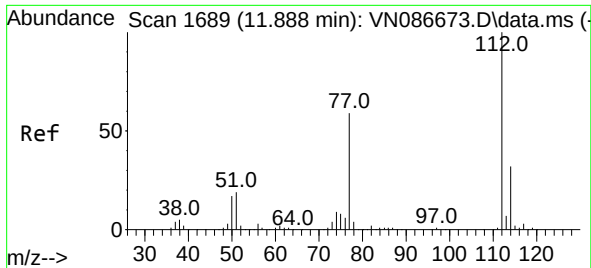
Delta R.T. 0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

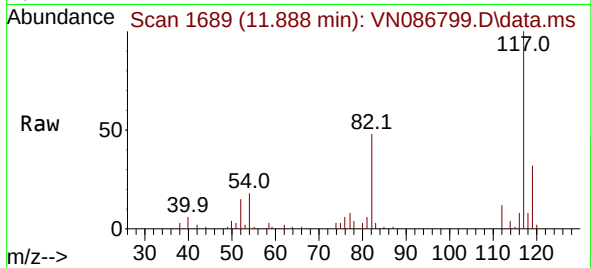
Tgt Ion:164	Resp: 1409
Ion Ratio	Lower Upper
164 100	
166 115.9	98.2 147.4
129 83.2	81.0 121.4
131 86.1	78.0 117.0





#65
Chlorobenzene
Concen: 0.488 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

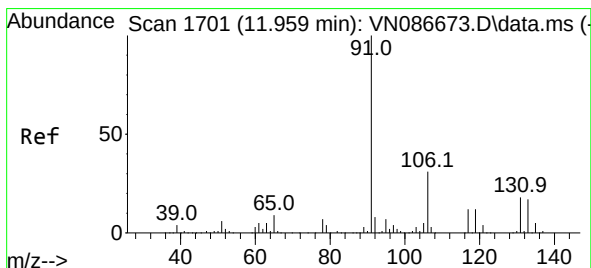
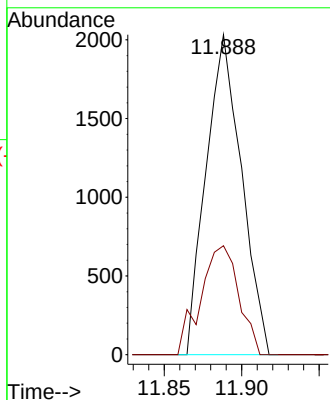
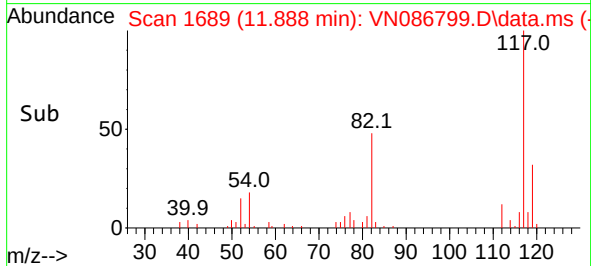
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



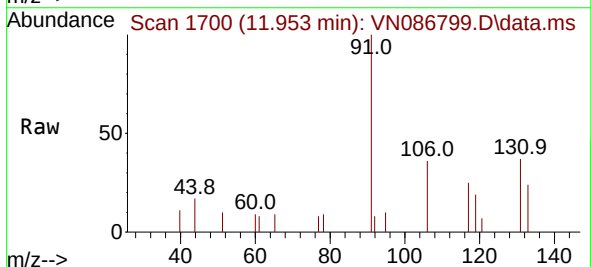
Tgt Ion:112 Resp: 322
Ion Ratio Lower Upper
112 100
114 34.0 25.9 38.9

Manual Integrations
APPROVED

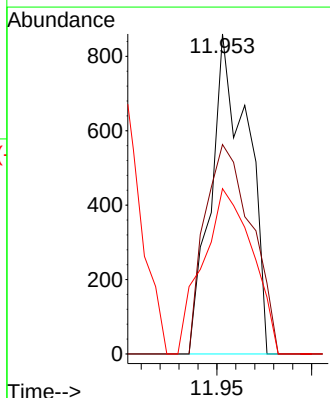
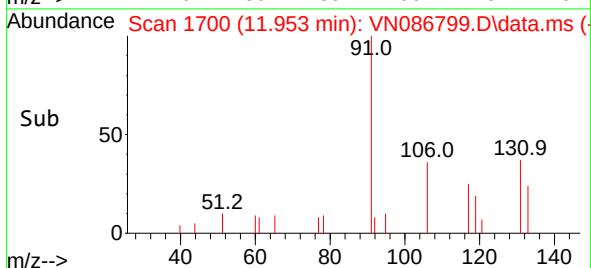
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

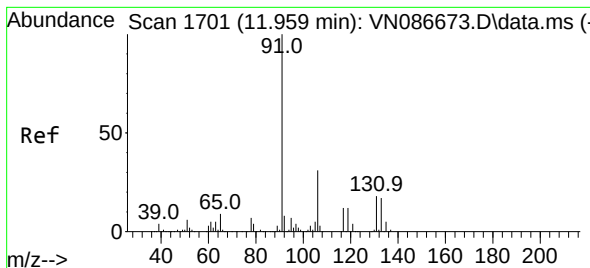


#66
1,1,1,2-Tetrachloroethane
Concen: 0.544 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:131 Resp: 1162
Ion Ratio Lower Upper
131 100
133 83.1 47.9 143.7
119 0.0 33.6 100.8#





#67

Ethyl Benzene

Concen: 0.471 ug/l

RT: 11.965 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025

Tgt Ion: 91 Resp: 533

Ion Ratio Lower Upper

91 100

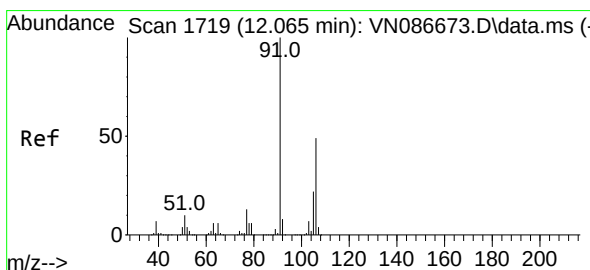
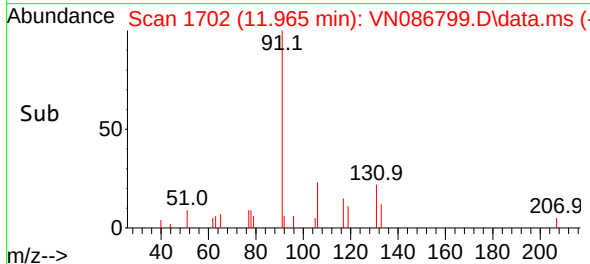
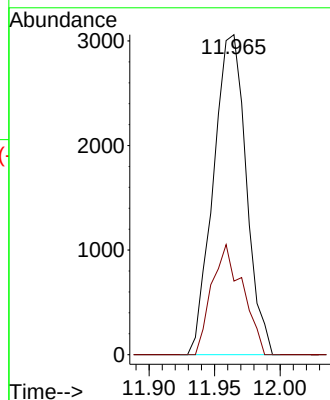
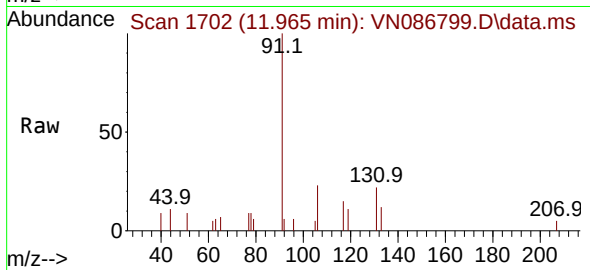
106 23.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#68

m/p-Xylenes

Concen: 0.844 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086799.D

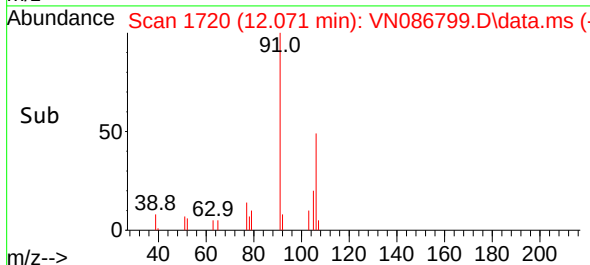
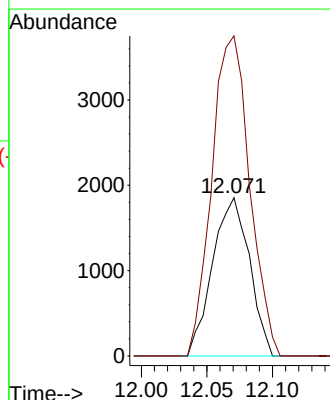
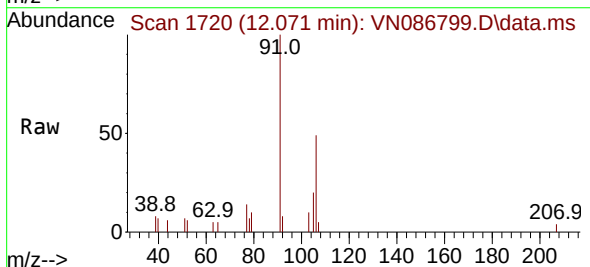
Acq: 28 May 2025 15:09

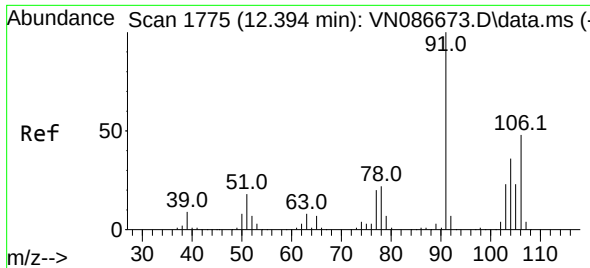
Tgt Ion:106 Resp: 3623

Ion Ratio Lower Upper

106 100

91 207.6 162.4 243.6





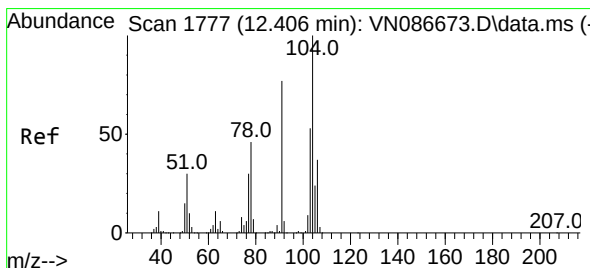
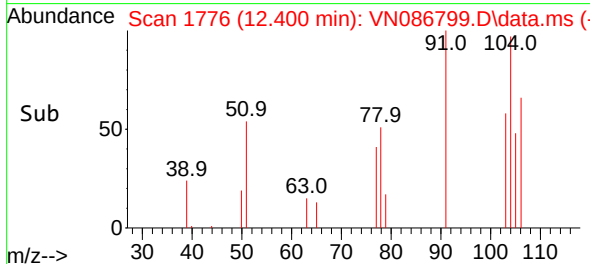
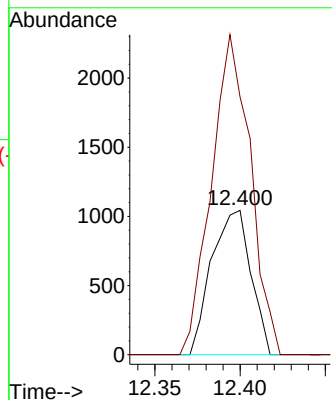
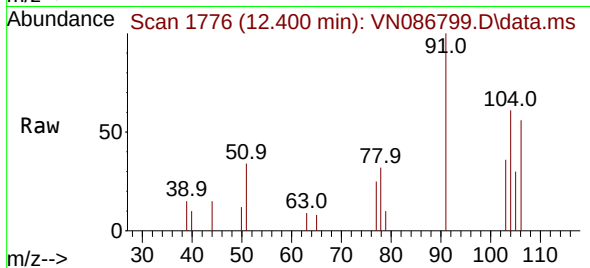
#69
o-Xylene
Concen: 0.393 ug/l
RT: 12.400 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion:106 Resp: 167
Ion Ratio Lower Upper
106 100
91 220.0 105.1 315.1

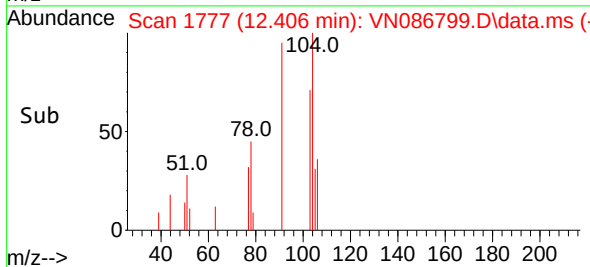
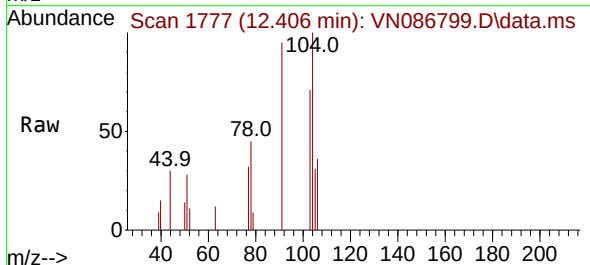
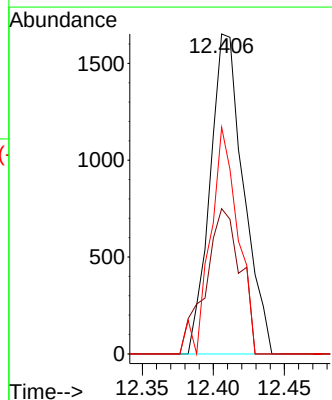
Manual Integrations
APPROVED

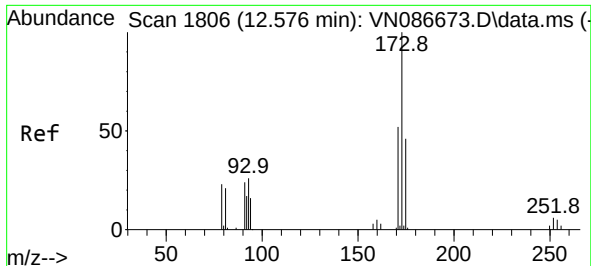
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#70
Styrene
Concen: 0.387 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

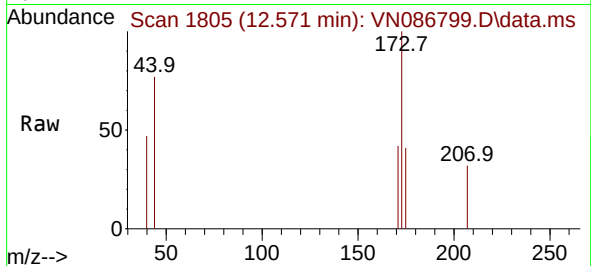
Tgt Ion:104 Resp: 2704
Ion Ratio Lower Upper
104 100
78 47.4 39.0 58.6
103 58.4 43.8 65.8





#71
Bromoform
Concen: 0.510 ug/l
RT: 12.571 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

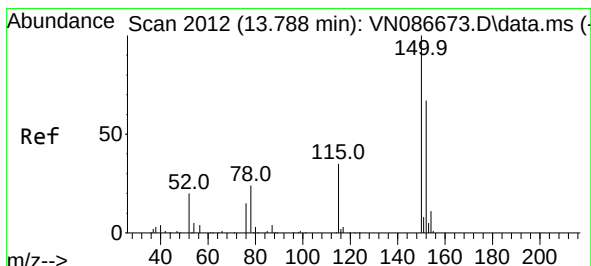
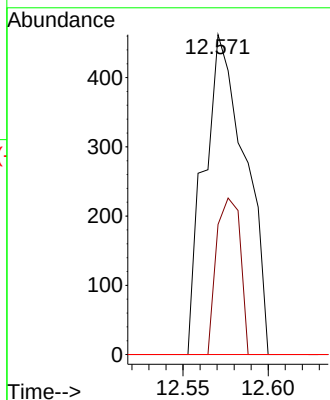
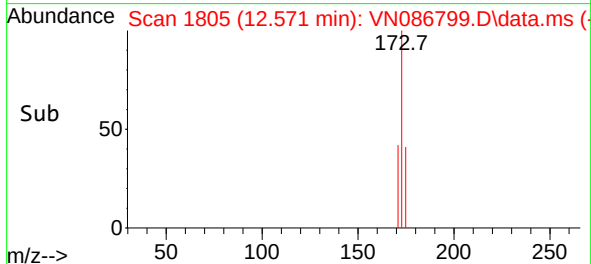
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



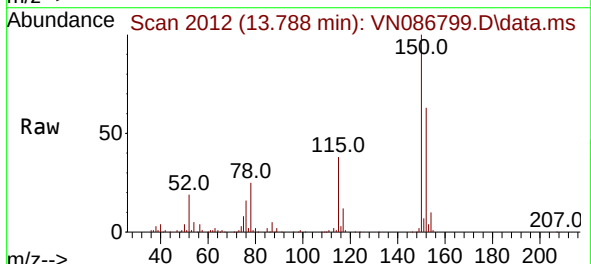
Tgt Ion:173 Resp: 775
Ion Ratio Lower Upper
173 100
175 28.4 23.4 70.2
254 0.0 0.0 0.0

Manual Integrations
APPROVED

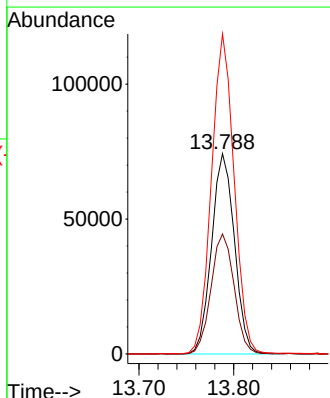
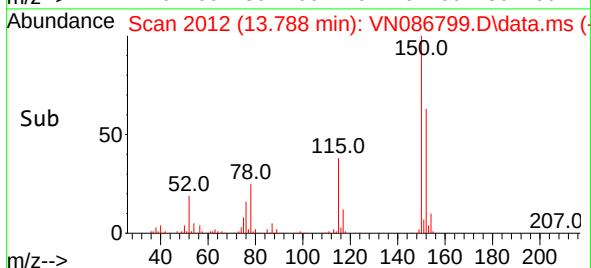
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

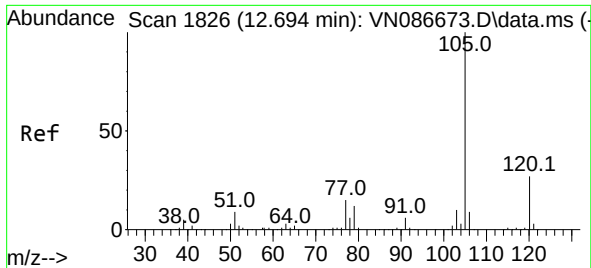


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:152 Resp: 124557
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.1
150 158.5 0.0 347.8





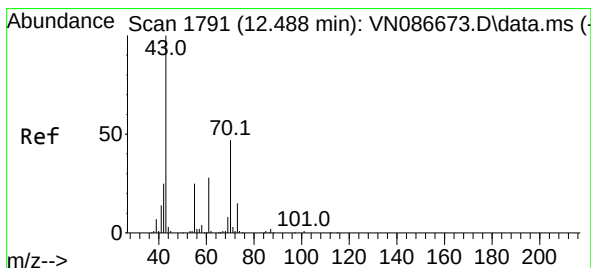
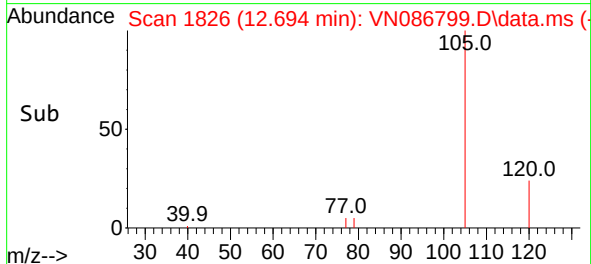
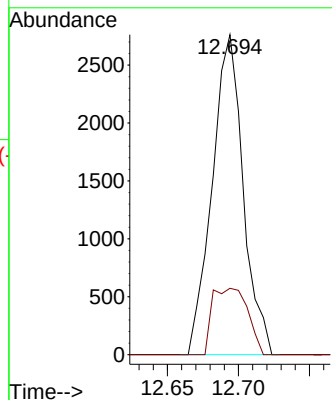
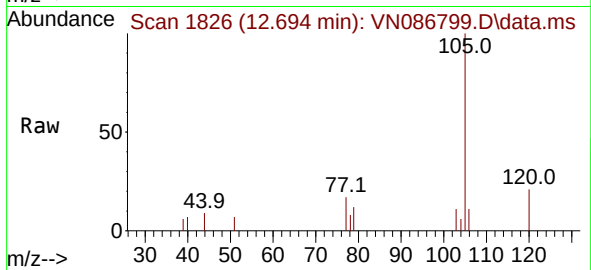
#73
Isopropylbenzene
Concen: 0.436 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion:105 Resp: 419
Ion Ratio Lower Upper
105 100
120 23.7 13.4 40.1

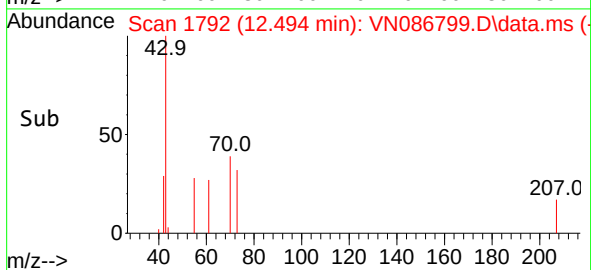
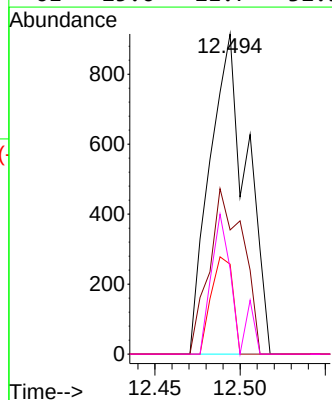
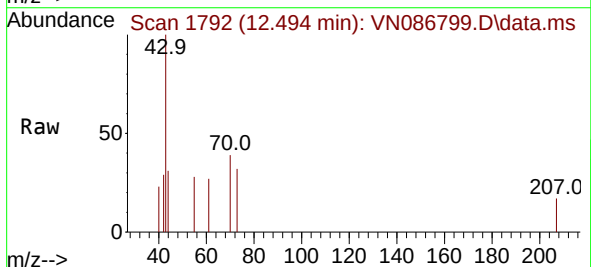
Manual Integrations
APPROVED

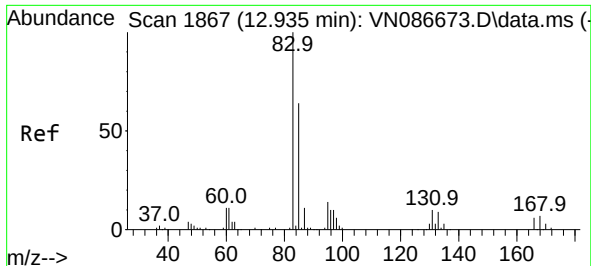
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#74
N-ethyl acetate
Concen: 0.345 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

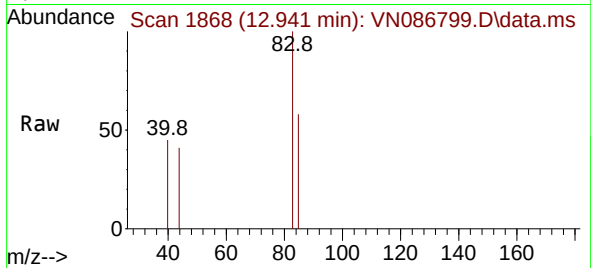
Tgt Ion: 43 Resp: 1385
Ion Ratio Lower Upper
43 100
70 47.1 37.9 56.9
55 17.7 20.5 30.7#
61 25.6 21.7 32.5





#75
1,1,2,2-Tetrachloroethane
Concen: 0.334 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

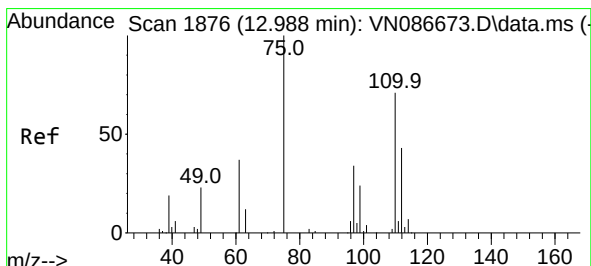
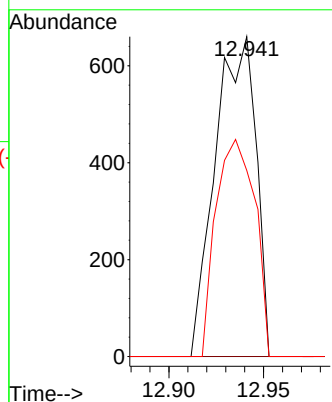
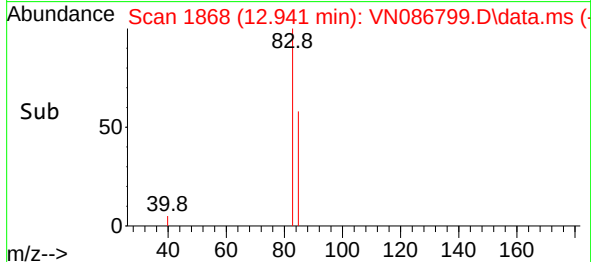
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



Tgt Ion: 83 Resp: 98
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0
85 65.0 32.4 97.2

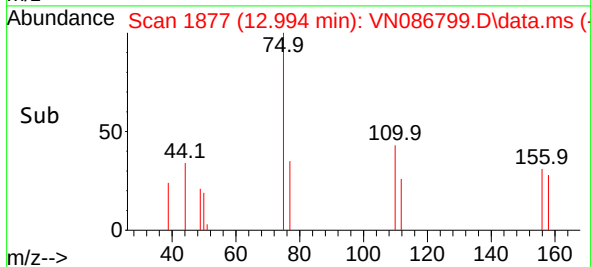
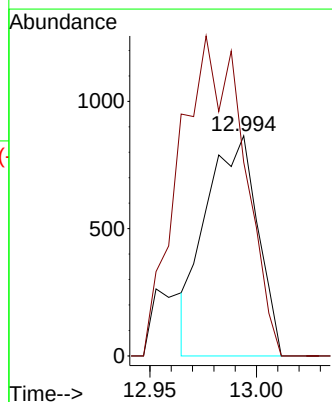
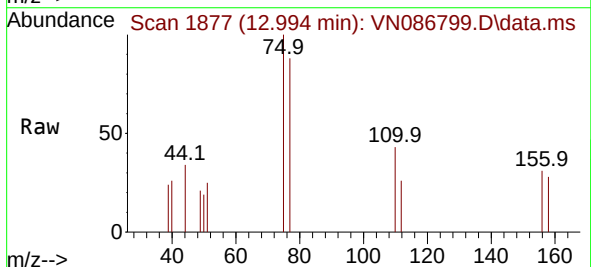
Manual Integrations
APPROVED

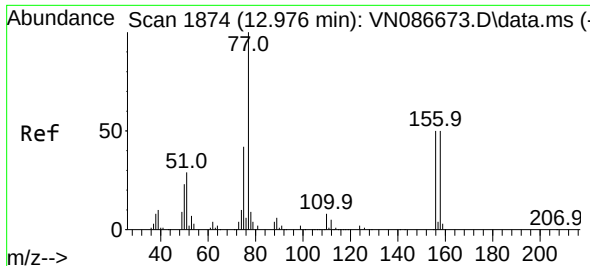
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#76
1,2,3-Trichloropropane
Concen: 0.519 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

Tgt Ion: 75 Resp: 1462
Ion Ratio Lower Upper
75 100
77 67.6 96.0 288.1#





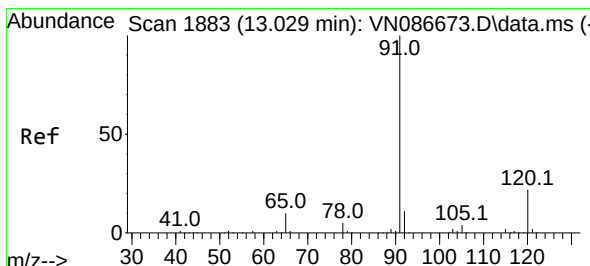
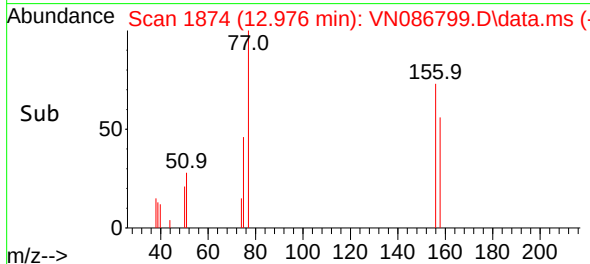
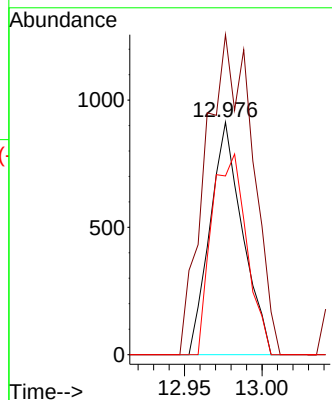
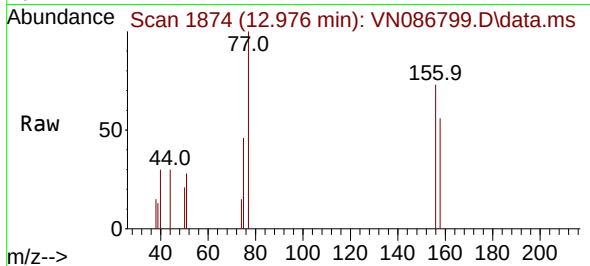
#77
Bromobenzene
Concen: 0.552 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion:156 Resp: 1330
Ion Ratio Lower Upper
156 100
77 198.2 113.1 339.2
158 92.6 48.6 145.9

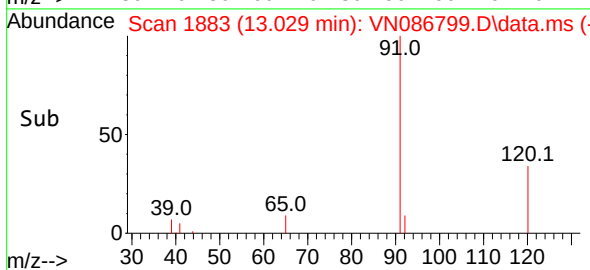
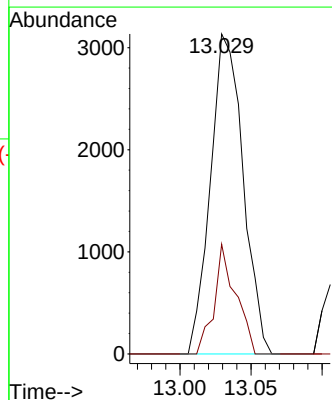
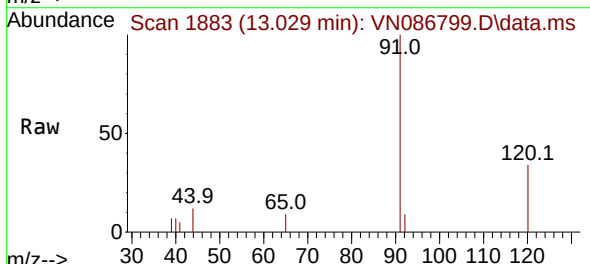
Manual Integrations
APPROVED

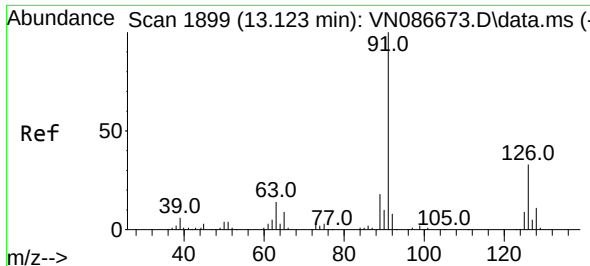
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#78
n-propylbenzene
Concen: 0.454 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

Tgt Ion: 91 Resp: 5008
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.1





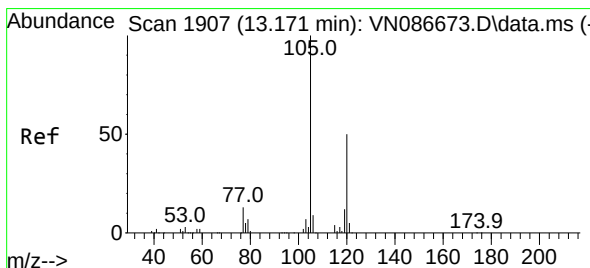
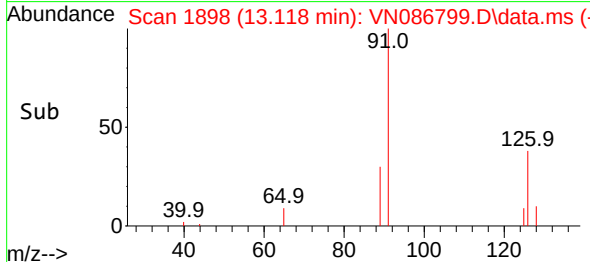
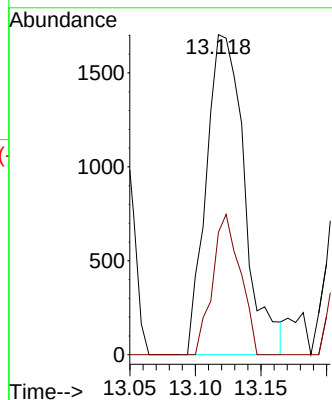
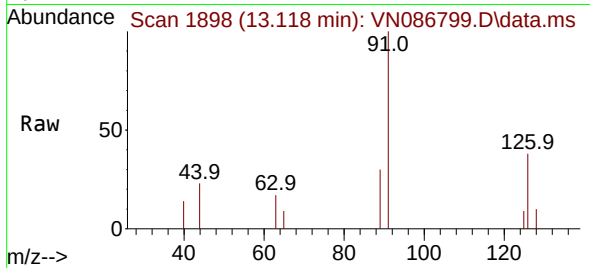
#79
2-Chlorotoluene
Concen: 0.483 ug/l
RT: 13.118 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion: 91 Resp: 3464
Ion Ratio Lower Upper
91 100
126 31.6 16.6 49.7

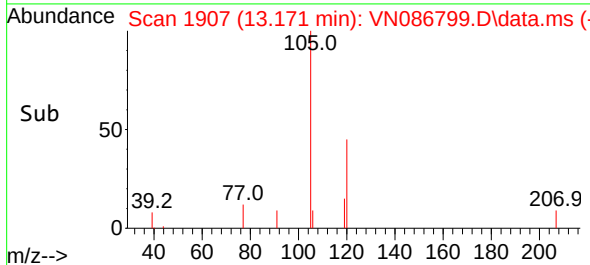
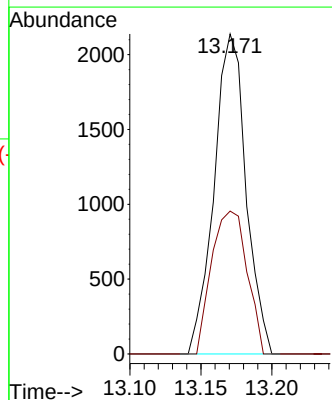
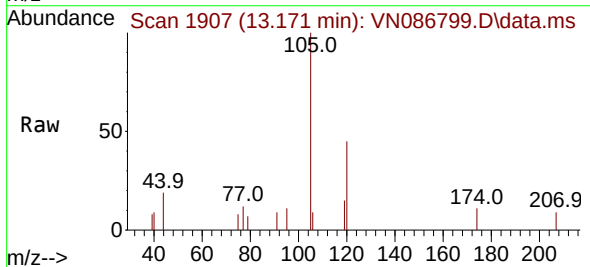
Manual Integrations
APPROVED

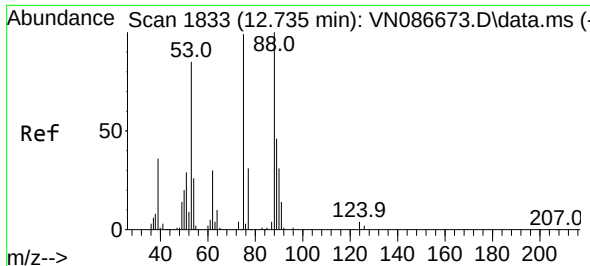
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.434 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

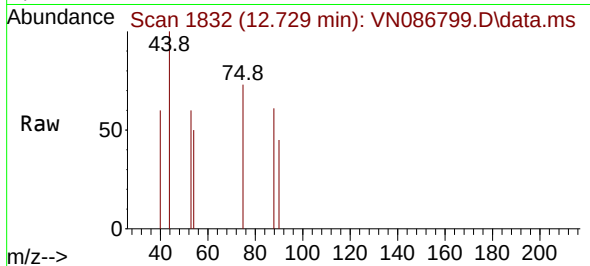
Tgt Ion:105 Resp: 3344
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.6





#81
trans-1,4-Dichloro-2-butene
Concen: 0.258 ug/l m
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

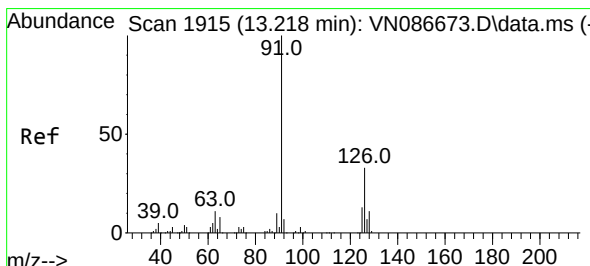
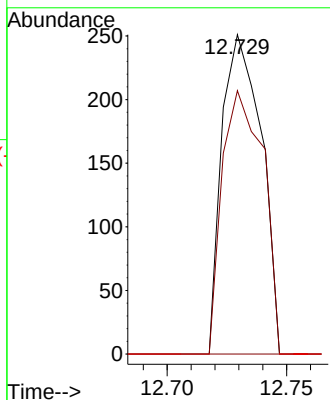
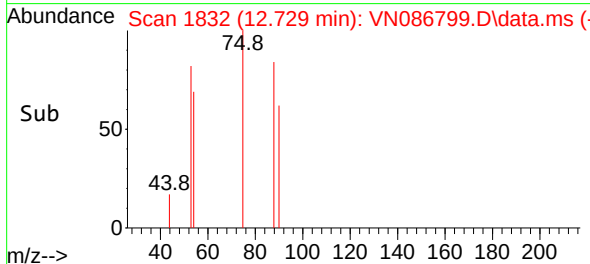
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



Tgt Ion: 75 Resp: 288
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6
89 0.0 32.4 48.6

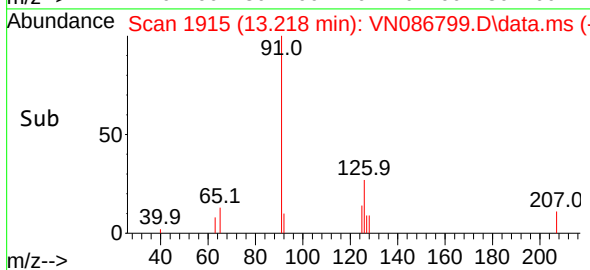
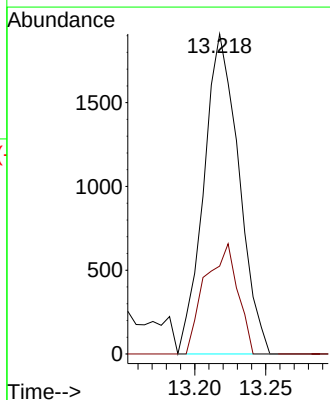
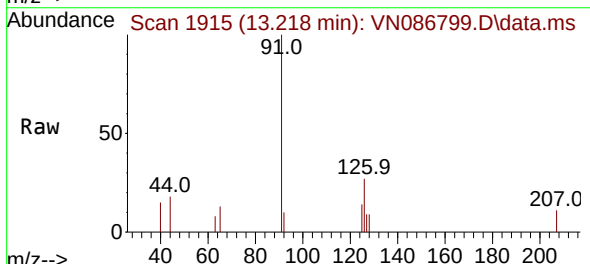
Manual Integrations
APPROVED

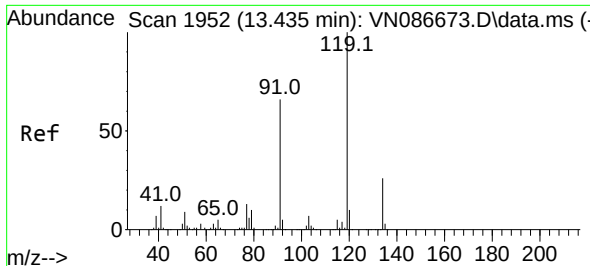
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#82
4-Chlorotoluene
Concen: 0.460 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

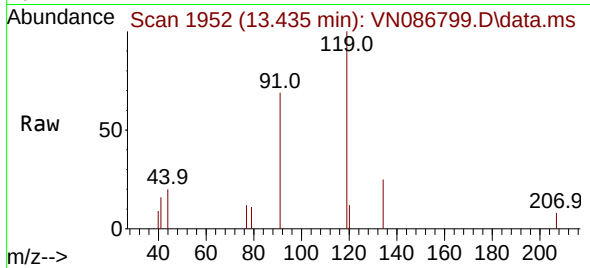
Tgt Ion: 91 Resp: 3274
Ion Ratio Lower Upper
91 100
126 32.0 17.0 50.9





#83
tert-Butylbenzene
Concen: 0.423 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

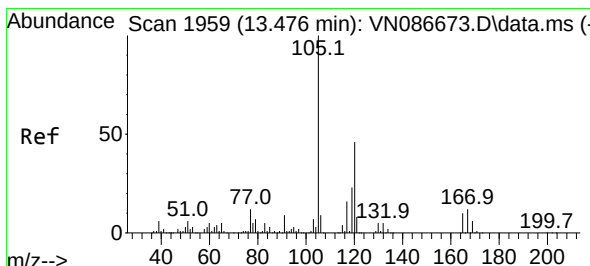
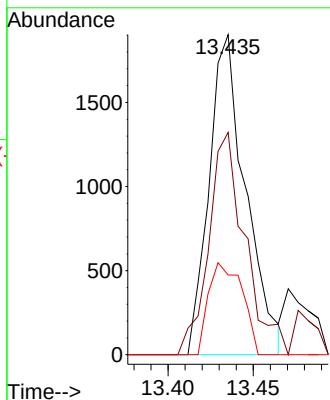
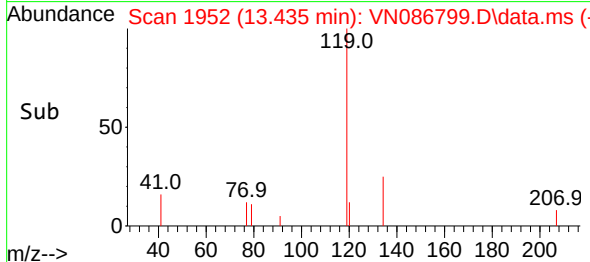
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2025



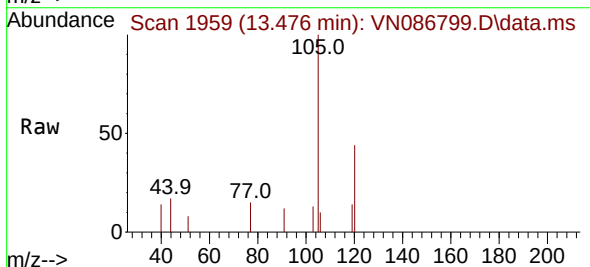
Tgt Ion:119 Resp: 2840
Ion Ratio Lower Upper
119 100
91 68.7 32.9 98.7
134 26.4 13.4 40.1

Manual Integrations
APPROVED

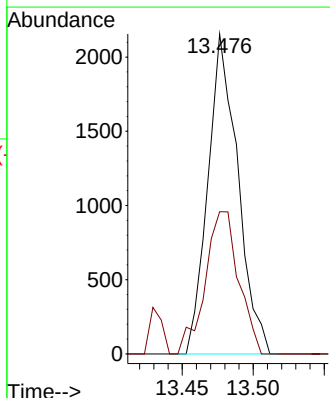
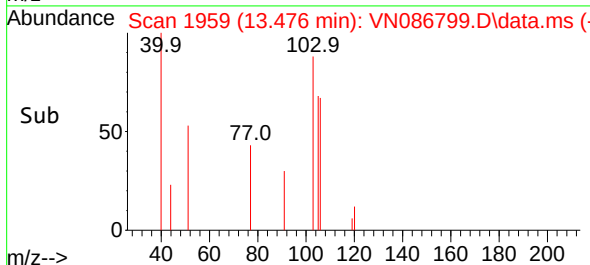
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

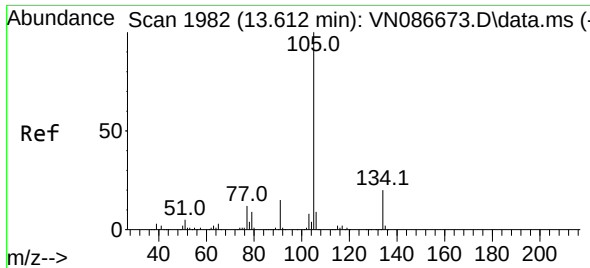


#84
1,2,4-Trimethylbenzene
Concen: 0.411 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:105 Resp: 3157
Ion Ratio Lower Upper
105 100
120 49.9 23.2 69.6





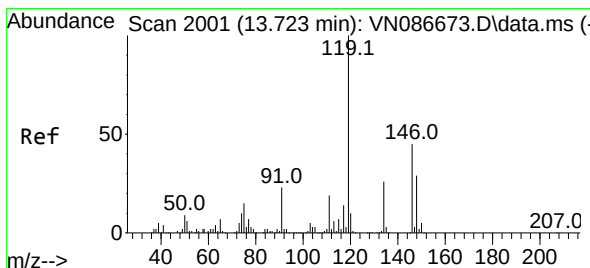
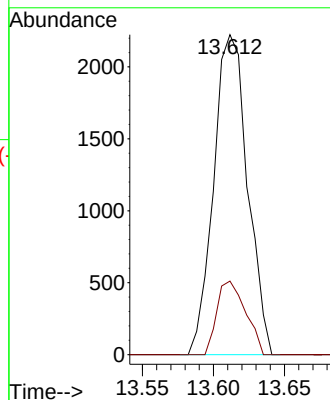
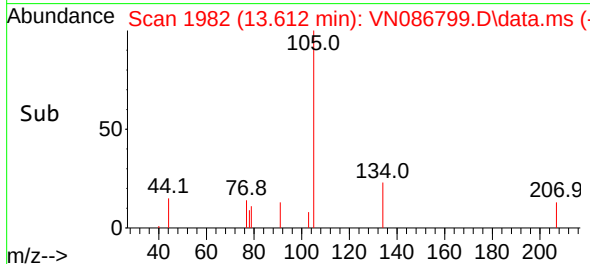
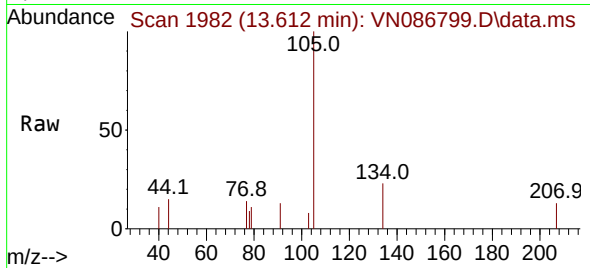
#85
 sec-Butylbenzene
 Concen: 0.409 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

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

Tgt Ion:105 Resp: 3689
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.1 30.1

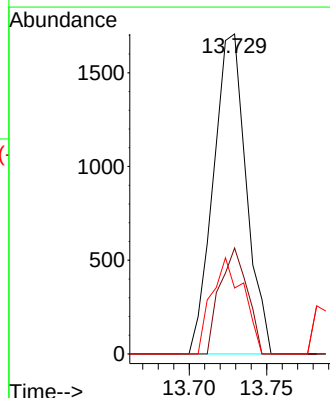
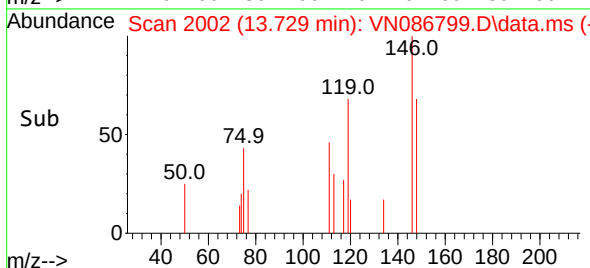
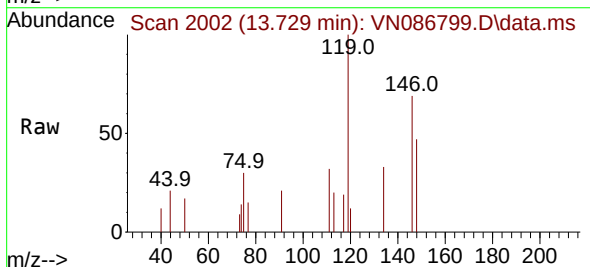
Manual Integrations
 APPROVED

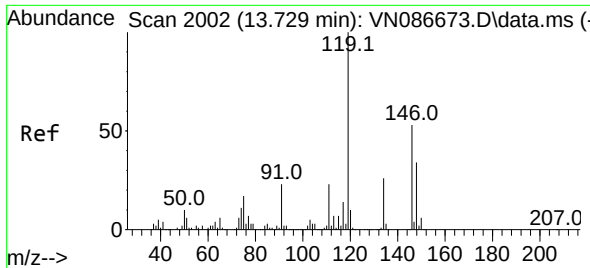
Reviewed By :John Carlone 05/29/2025
 Supervised By :Mahesh Dadoda 05/29/2025



#86
 p-Isopropyltoluene
 Concen: 0.341 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN086799.D
 Acq: 28 May 2025 15:09

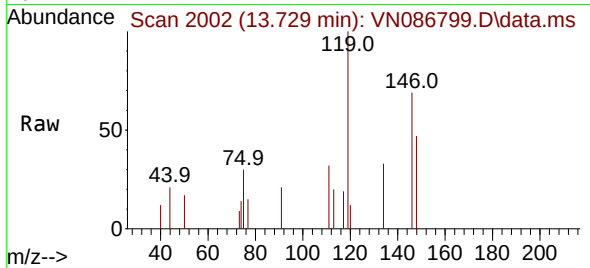
Tgt Ion:119 Resp: 2519
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.1 39.1
 91 28.9 11.5 34.5





#87
1,3-Dichlorobenzene
Concen: 0.496 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

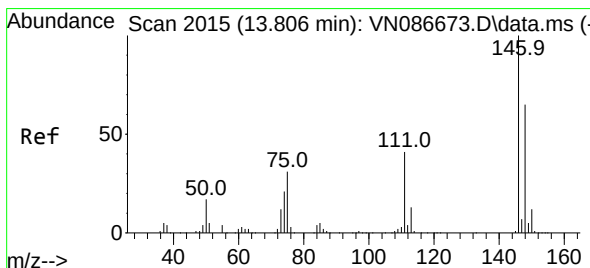
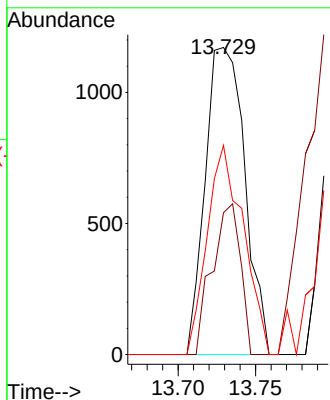
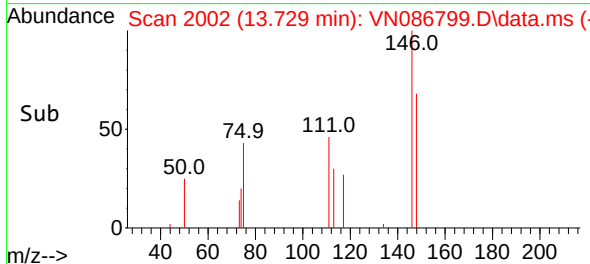
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



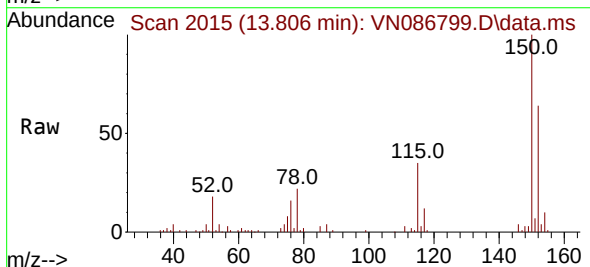
Tgt Ion:146 Resp: 2080
Ion Ratio Lower Upper
146 100
111 35.1 20.9 62.7
148 62.3 31.8 95.4

Manual Integrations
APPROVED

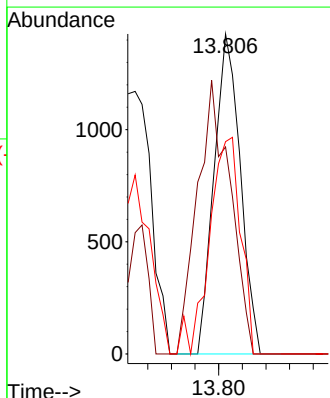
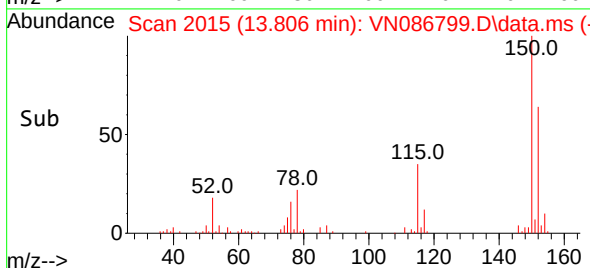
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

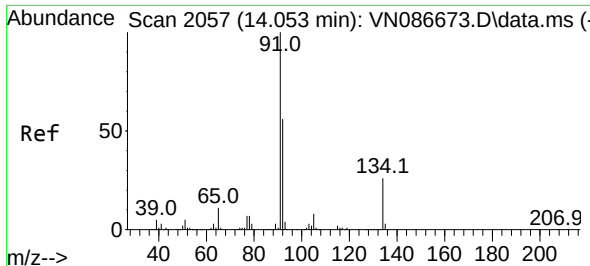


#88
1,4-Dichlorobenzene
Concen: 0.529 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:146 Resp: 2195
Ion Ratio Lower Upper
146 100
111 33.3 20.6 61.8
148 59.0 32.0 96.0





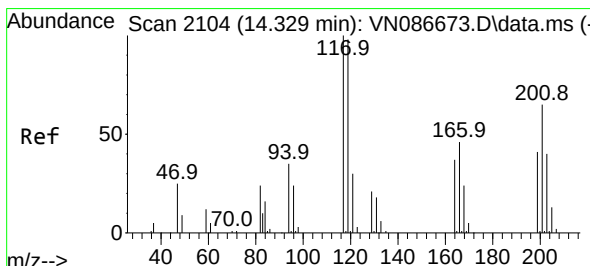
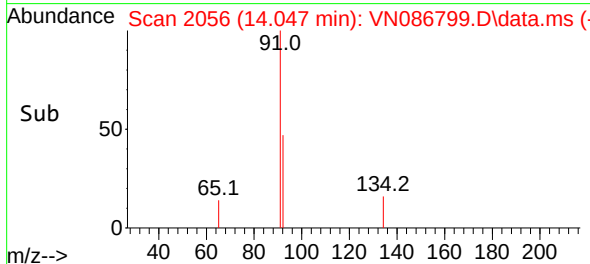
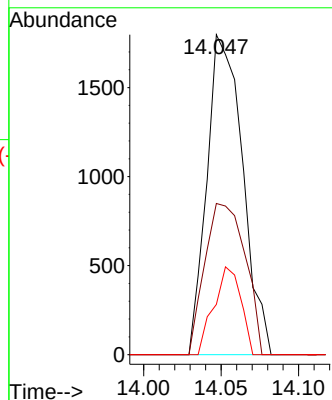
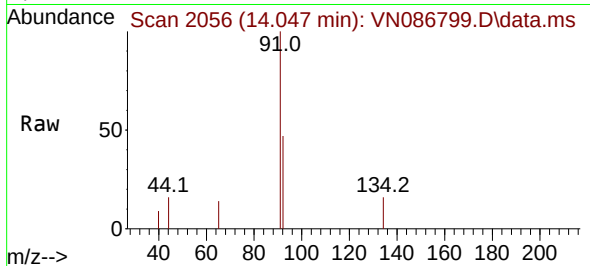
#89
n-Butylbenzene
Concen: 0.469 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

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

Tgt Ion: 91 Resp: 2874
Ion Ratio Lower Upper
91 100
92 53.4 27.4 82.0
134 20.7 12.8 38.4

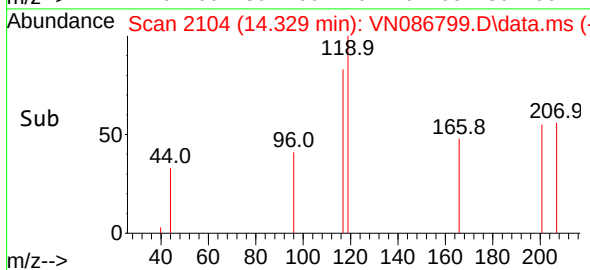
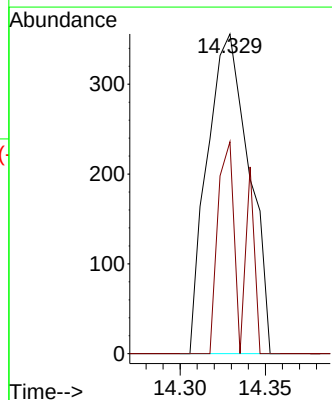
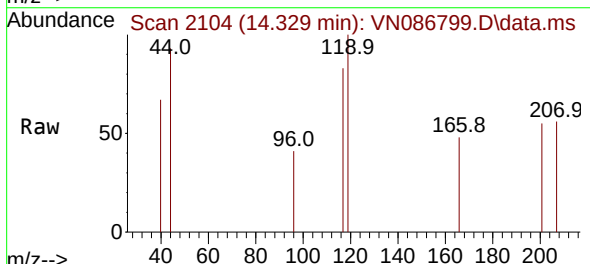
Manual Integrations
APPROVED

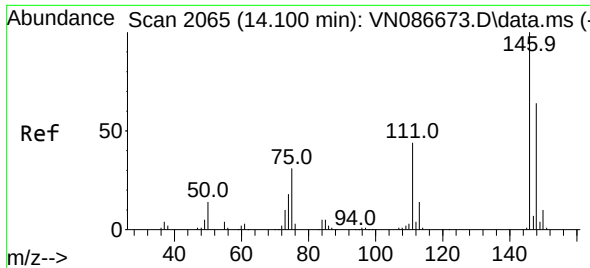
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025



#90
Hexachloroethane
Concen: 0.495 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

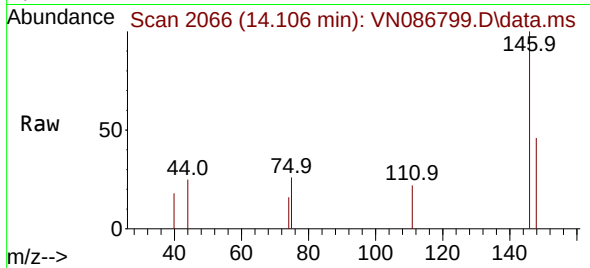
Tgt Ion:117 Resp: 607
Ion Ratio Lower Upper
117 100
201 37.4 32.0 96.0





#91
1,2-Dichlorobenzene
Concen: 0.548 ug/l
RT: 14.106 min Scan# 2065
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

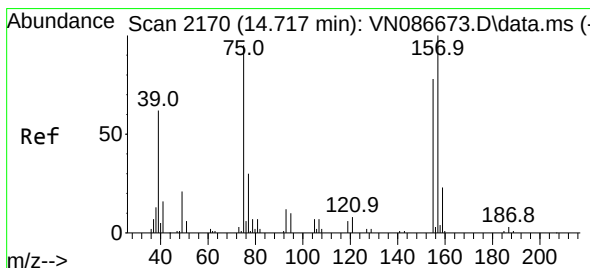
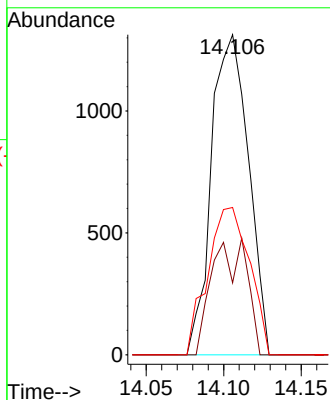
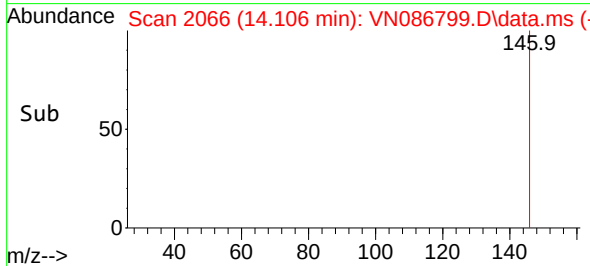
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



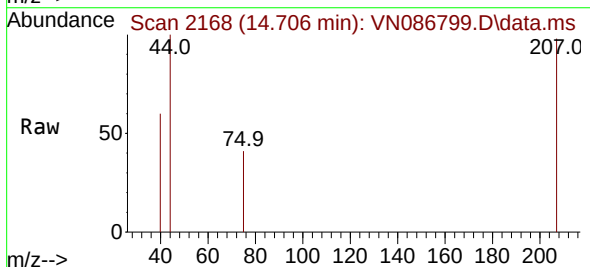
Tgt Ion:146 Resp: 2184
Ion Ratio Lower Upper
146 100
111 33.9 21.6 65.0
148 52.0 31.7 95.1

Manual Integrations
APPROVED

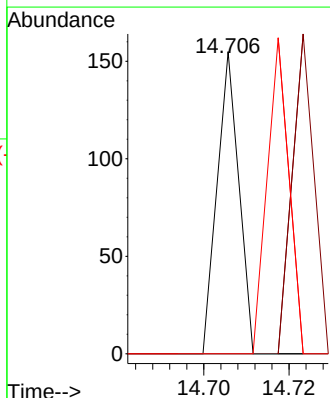
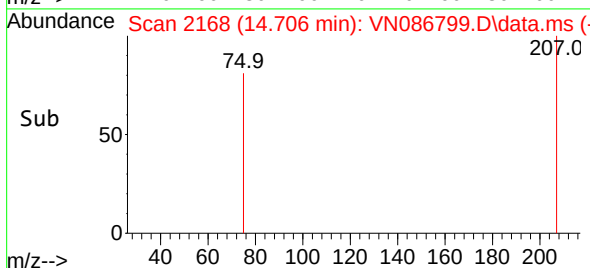
Reviewed By :John Carlone 05/29/2025
Supervised By :Mahesh Dadoda 05/29/2025

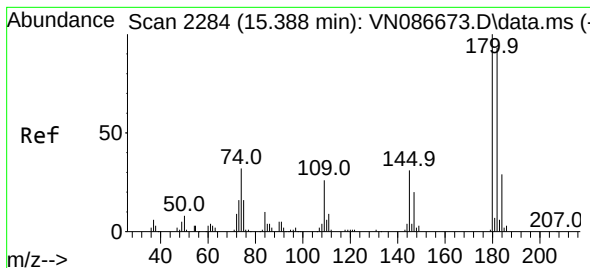


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.112 ug/l
RT: 14.706 min Scan# 2168
Delta R.T. -0.012 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 105.5 40.5 121.5
157 103.6 53.6 160.8





#93

1,2,4-Trichlorobenzene

Concen: 0.418 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086799.D

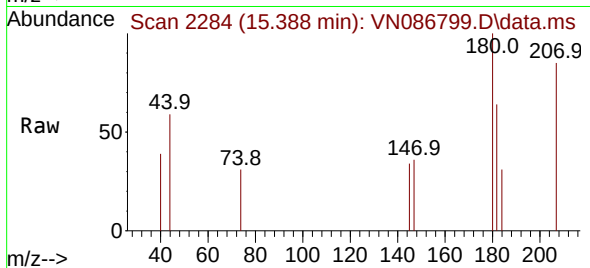
Acq: 28 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2025



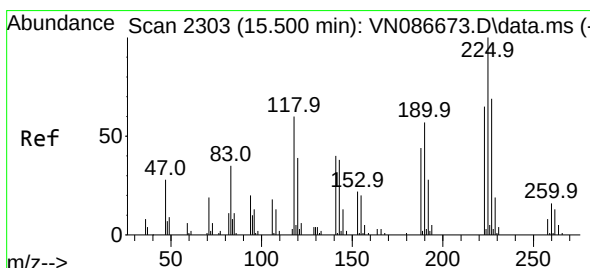
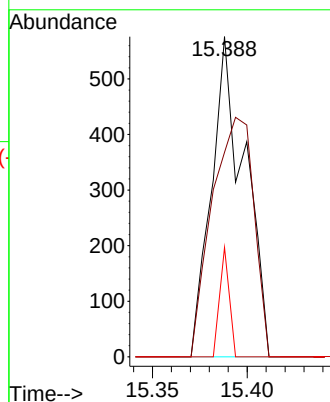
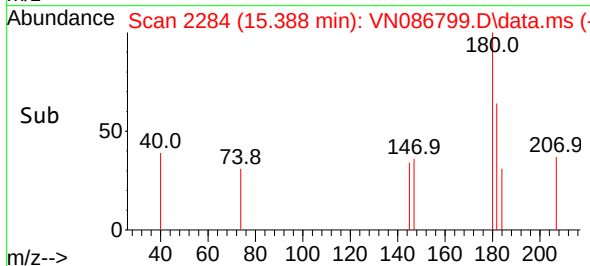
Tgt Ion:	180	Resp:	700
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.1	141.3
145	10.0	15.6	46.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/29/2025

Supervised By :Mahesh Dadoda 05/29/2025



#94

Hexachlorobutadiene

Concen: 0.408 ug/l

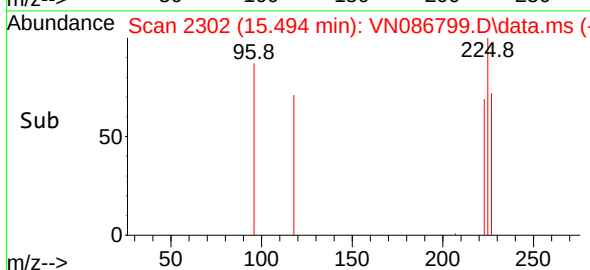
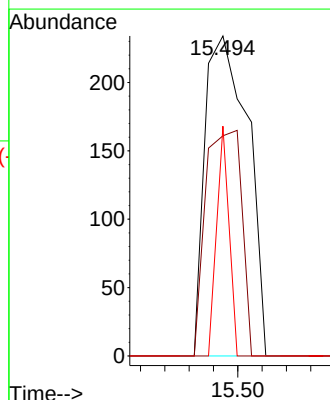
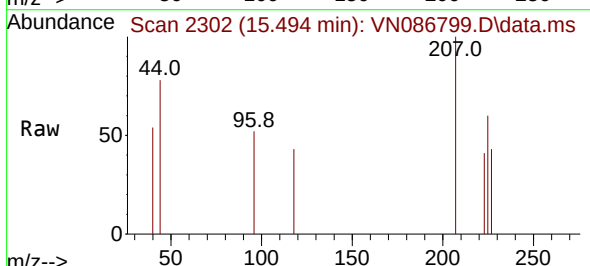
RT: 15.494 min Scan# 2302

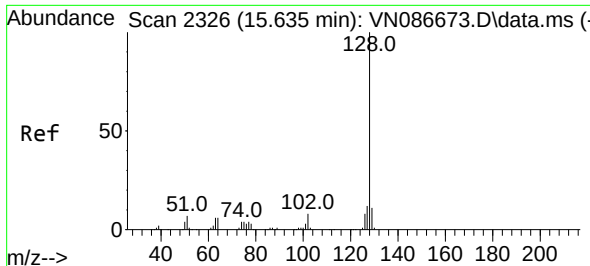
Delta R.T. -0.006 min

Lab File: VN086799.D

Acq: 28 May 2025 15:09

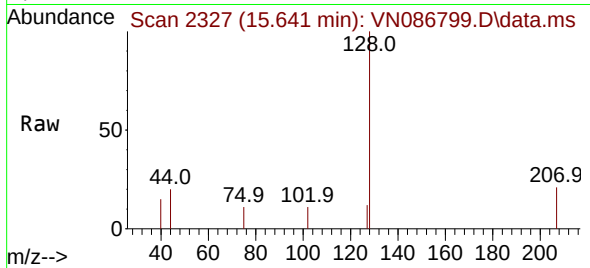
Tgt Ion:	225	Resp:	285
Ion Ratio	Lower	Upper	
225	100		
223	59.3	32.9	98.6
227	20.7	32.4	97.2





#95
Naphthalene
Concen: 0.545 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09

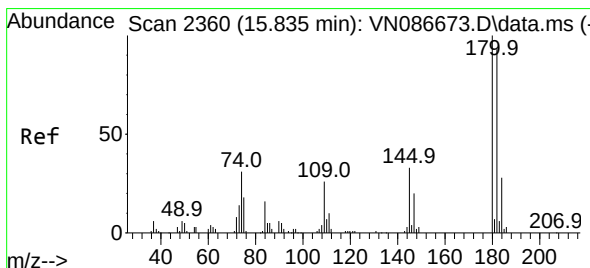
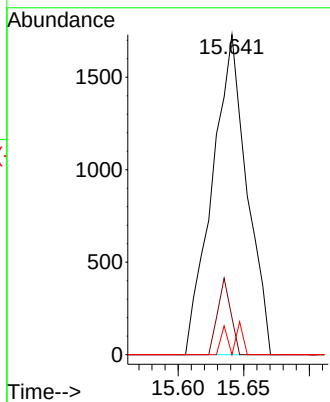
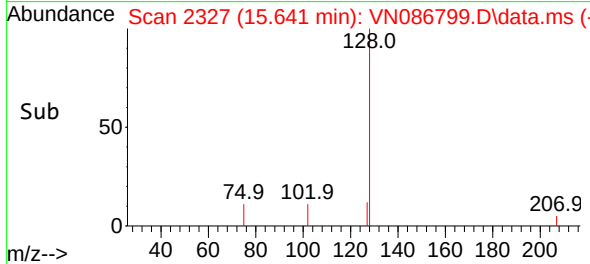
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2025



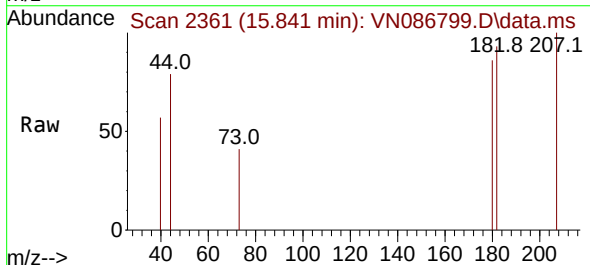
Tgt Ion:128 Resp: 3184
Ion Ratio Lower Upper
128 100
127 9.0 10.1 15.1
129 1.7 8.6 13.0

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 0.407 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086799.D
Acq: 28 May 2025 15:09



Tgt Ion:180 Resp: 670
Ion Ratio Lower Upper
180 100
182 104.6 47.0 141.2
145 9.6 16.7 50.1

