

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101124\
 Data File : VN084400.D
 Acq On : 11 Oct 2024 15:18
 Operator : JC\MD
 Sample : P4368-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Quant Time: Oct 14 02:56:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 02:44:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/14/2024
 Supervised By : Mahesh Dadoda 10/14/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	151005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	125841	56.206	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.420%			
35) Dibromofluoromethane	8.165	113	98140	56.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.380%			
50) Toluene-d8	10.565	98	348182	54.185	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.360%			
62) 4-Bromofluorobenzene	12.847	95	125814	53.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	4834	2.706	ug/l	79
3) Chloromethane	2.365	50	5611	2.751	ug/l	92
4) Vinyl Chloride	2.518	62	5454	2.761	ug/l	93
5) Bromomethane	2.959	94	4102	3.148	ug/l	83
6) Chloroethane	3.118	64	5555	3.926	ug/l	98
7) Trichlorofluoromethane	3.500	101	8945	2.908	ug/l	96
8) Diethyl Ether	3.959	74	3050	2.673	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	5087	2.886	ug/l	96
10) Methyl Iodide	4.594	142	5486	2.417	ug/l	89
11) Tert butyl alcohol	5.512	59	1679	4.548	ug/l #	73
12) 1,1-Dichloroethene	4.341	96	4654	2.737	ug/l	86
13) Acrolein	4.189	56	3733	8.808	ug/l	96
14) Allyl chloride	5.030	41	6767	2.292	ug/l #	62
15) Acrylonitrile	5.718	53	12208	13.095	ug/l	99
16) Acetone	4.430	43	14283	14.850	ug/l	94
17) Carbon Disulfide	4.706	76	13044	2.423	ug/l	96
18) Methyl Acetate	5.030	43	5275	2.516	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	13934	2.428	ug/l	98
20) Methylene Chloride	5.271	84	5384	2.754	ug/l #	93
21) trans-1,2-Dichloroethene	5.783	96	4702	2.640	ug/l #	93
22) Diisopropyl ether	6.682	45	14973	2.451	ug/l #	94
23) Vinyl Acetate	6.600	43	48855	10.785	ug/l	100
24) 1,1-Dichloroethane	6.559	63	10034	2.938	ug/l #	88
25) 2-Butanone	7.488	43	17239	13.160	ug/l	94
26) 2,2-Dichloropropane	7.488	77	8170	2.653	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	5533	2.571	ug/l	98
28) Bromochloromethane	7.806	49	4307	2.826	ug/l #	91
29) Tetrahydrofuran	7.835	42	8974	11.101	ug/l	98
30) Chloroform	7.965	83	9996	2.817	ug/l	99
31) Cyclohexane	8.253	56	10653	3.212	ug/l #	78
32) 1,1,1-Trichloroethane	8.165	97	8874	2.785	ug/l #	90
36) 1,1-Dichloropropene	8.371	75	6683	2.634	ug/l	94
37) Ethyl Acetate	7.565	43	6700	2.574	ug/l #	81
38) Carbon Tetrachloride	8.359	117	7804	2.804	ug/l	95
39) Methylcyclohexane	9.600	83	6438	2.280	ug/l	94
40) Benzene	8.606	78	21257	2.689	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	3272	2.316	ug/l #	90
42) 1,2-Dichloroethane	8.665	62	7739	2.888	ug/l	100
43) Isopropyl Acetate	8.688	43	11917	2.338	ug/l	99
44) Trichloroethene	9.353	130	4860	2.633	ug/l	89
45) 1,2-Dichloropropane	9.618	63	5357	2.865	ug/l #	79
46) Dibromomethane	9.706	93	3692	2.926	ug/l	98
47) Bromodichloromethane	9.888	83	7231	2.579	ug/l	85
48) Methyl methacrylate	9.682	41	4619	2.276	ug/l	97
49) 1,4-Dioxane	9.700	88	2176	58.243	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	29623	11.956	ug/l	97
52) Toluene	10.629	92	13098	2.717	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	6995	2.448	ug/l	92
54) cis-1,3-Dichloropropene	10.318	75	7382	2.402	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	4599	2.662	ug/l #	89
56) Ethyl methacrylate	10.876	69	6607	2.324	ug/l	93
57) 1,3-Dichloropropane	11.159	76	8681	2.812	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11843	8.979	ug/l	95
59) 2-Hexanone	11.194	43	22334	12.060	ug/l	96
60) Dibromochloromethane	11.353	129	5834	2.858	ug/l	97
61) 1,2-Dibromoethane	11.465	107	5193	2.892	ug/l	88
64) Tetrachloroethene	11.106	164	4656	2.807	ug/l	96
65) Chlorobenzene	11.888	112	13894	2.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	4697	2.582	ug/l	97
67) Ethyl Benzene	11.964	91	21124	2.262	ug/l	100
68) m/p-Xylenes	12.064	106	14187	4.107	ug/l	95
69) o-Xylene	12.394	106	7339	2.245	ug/l	97
70) Styrene	12.412	104	11638	2.102	ug/l	97
71) Bromoform	12.576	173	3758	2.806	ug/l #	94
73) Isopropylbenzene	12.694	105	16572	2.040	ug/l	96
74) N-amyl acetate	12.494	43	7751	2.107	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	6481	2.654	ug/l	93
76) 1,2,3-Trichloropropane	12.994	75	6214m	2.860	ug/l	
77) Bromobenzene	12.982	156	5179	2.643	ug/l	98
78) n-propylbenzene	13.035	91	22337	2.374	ug/l	98
79) 2-Chlorotoluene	13.123	91	14802	2.465	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	14391	2.172	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	2024m	2.233	ug/l	
82) 4-Chlorotoluene	13.217	91	14808	2.450	ug/l	96
83) tert-Butylbenzene	13.435	119	12128	2.060	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	13467	2.018	ug/l	96
85) sec-Butylbenzene	13.611	105	16928	2.154	ug/l	99
86) p-Isopropyltoluene	13.723	119	12272	1.889	ug/l	96
87) 1,3-Dichlorobenzene	13.729	146	8672	2.359	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	9509	2.562	ug/l	89
89) n-Butylbenzene	14.058	91	11846	2.011	ug/l	95
90) Hexachloroethane	14.335	117	3043	2.307	ug/l	76
91) 1,2-Dichlorobenzene	14.100	146	8965	2.488	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	1354	2.687	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	3233	1.821	ug/l	94
94) Hexachlorobutadiene	15.494	225	1868	2.110	ug/l	98
95) Naphthalene	15.641	128	9532	1.620	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	3330	1.874	ug/l	93

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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

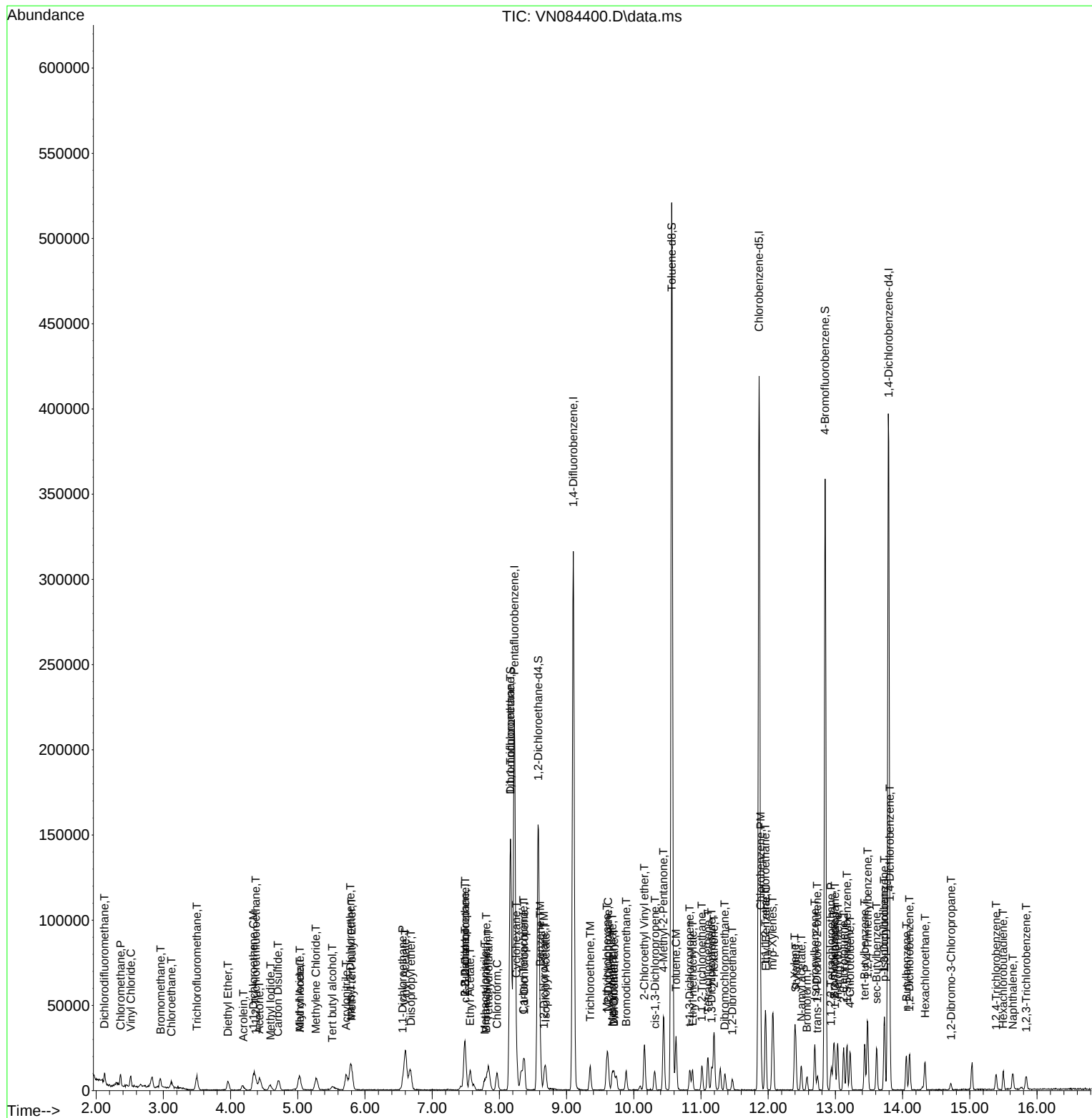
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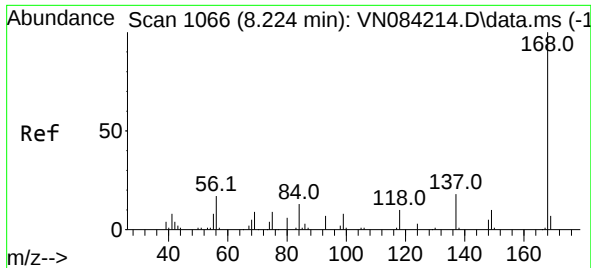
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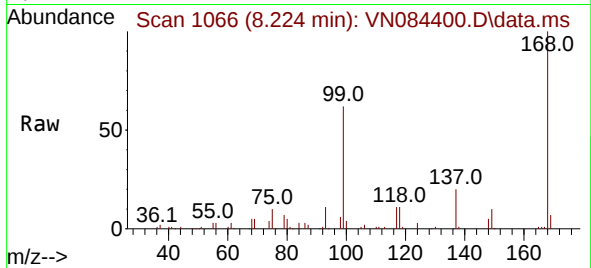
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084400.D
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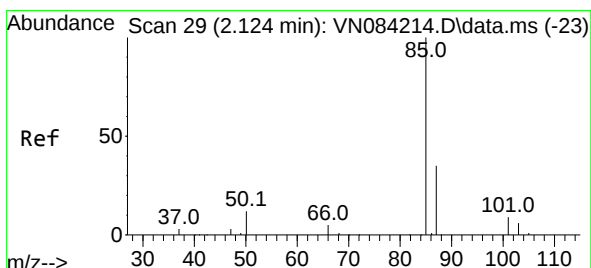
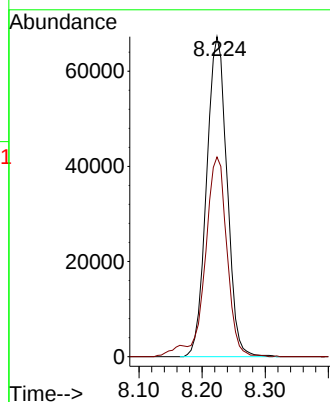
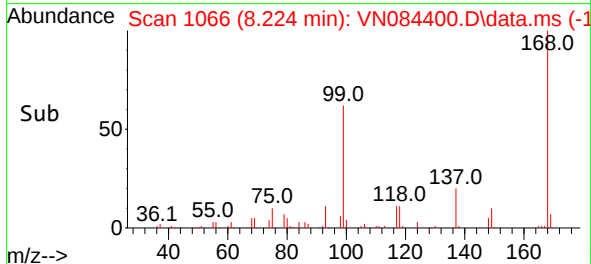
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:168 Resp: 15100
Ion Ratio Lower Upper
168 100
99 62.4 54.2 81.2

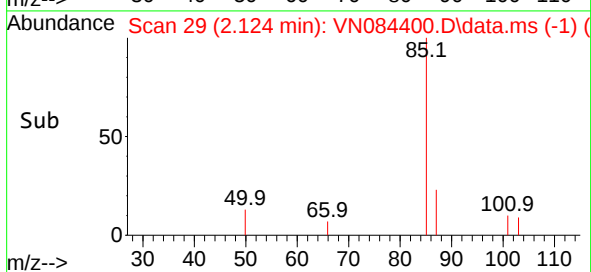
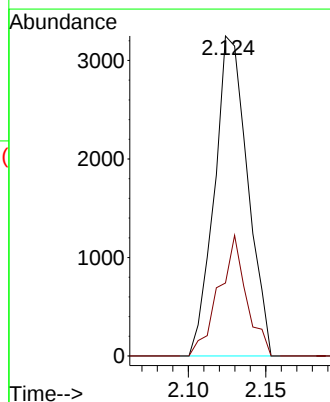
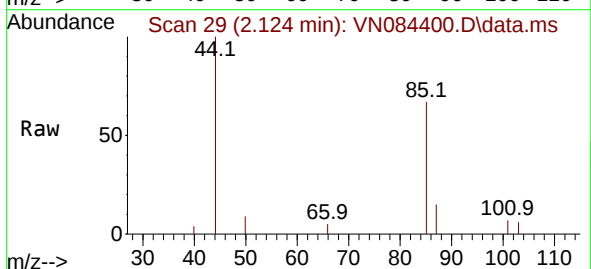
Manual Integrations
APPROVED

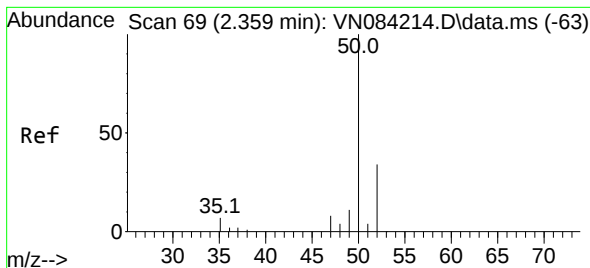
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#2
Dichlorodifluoromethane
Concen: 2.706 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion: 85 Resp: 4834
Ion Ratio Lower Upper
85 100
87 22.8 17.6 52.9





#3

Chloromethane

Concen: 2.751 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 50 Resp: 561

Ion Ratio Lower Upper

50 100

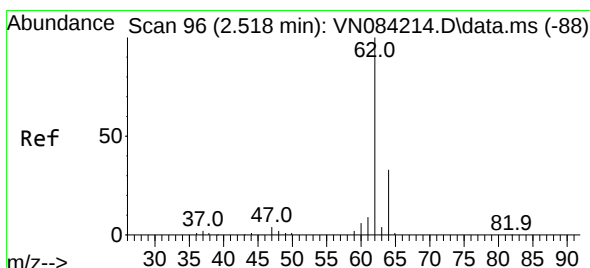
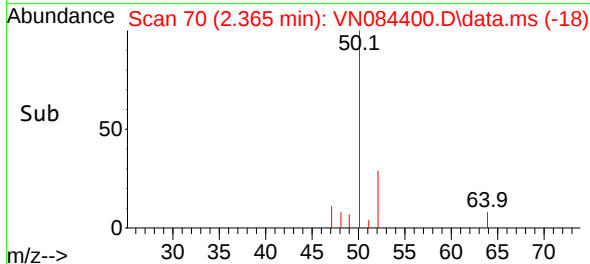
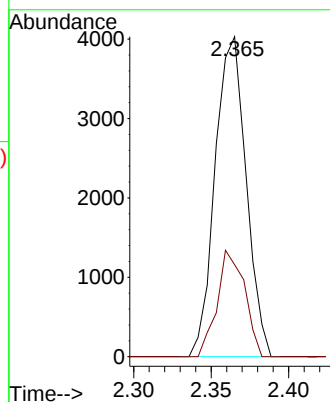
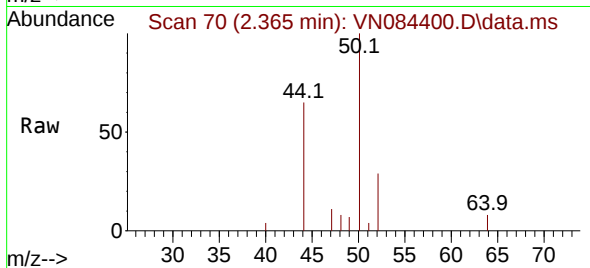
52 28.8 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#4

Vinyl Chloride

Concen: 2.761 ug/l

RT: 2.518 min Scan# 96

Delta R.T. -0.000 min

Lab File: VN084400.D

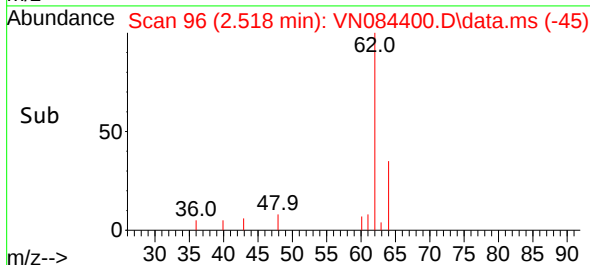
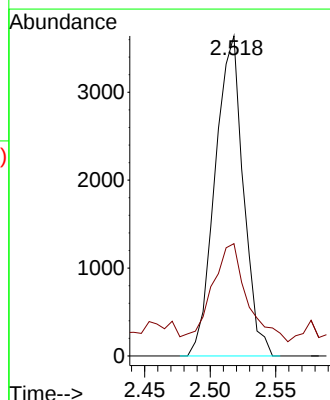
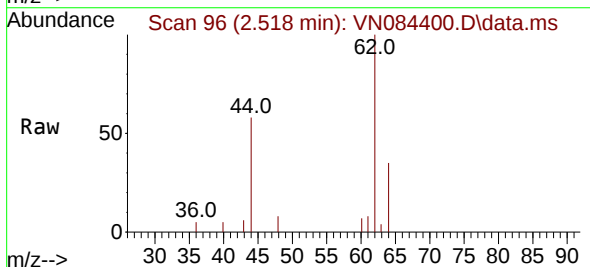
Acq: 11 Oct 2024 15:18

Tgt Ion: 62 Resp: 5454

Ion Ratio Lower Upper

62 100

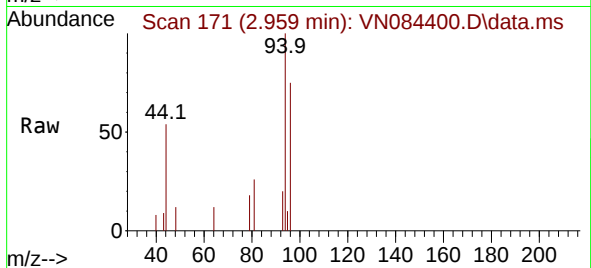
64 29.1 26.2 39.4





#5
Bromomethane
Concen: 3.148 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

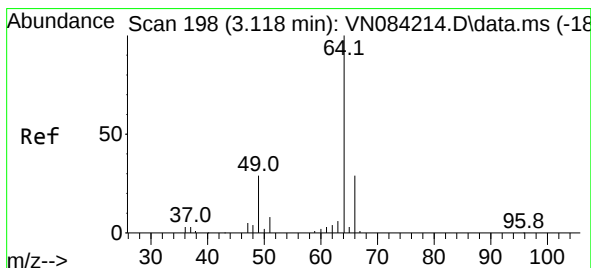
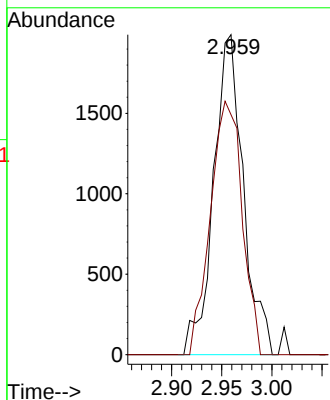
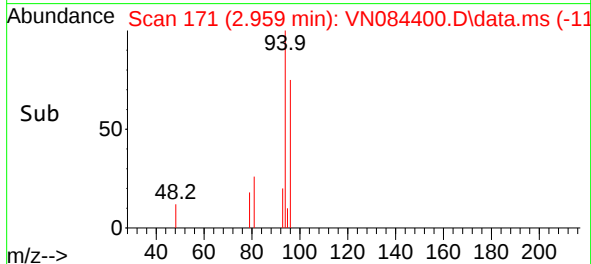
Instrument :
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Tgt Ion: 94 Resp: 410
Ion Ratio Lower Upper
94 100
96 75.0 72.9 109.3

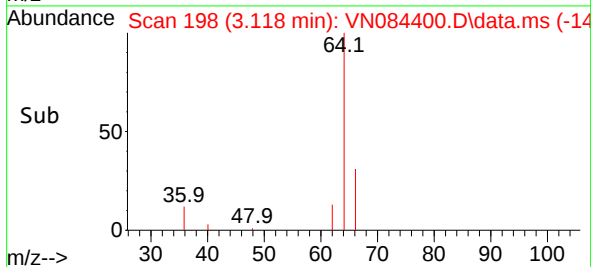
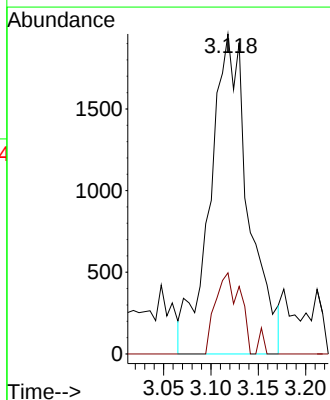
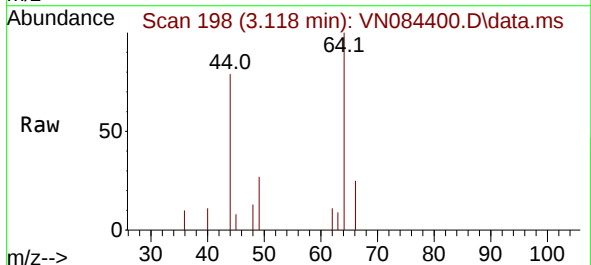
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#6
Chloroethane
Concen: 3.926 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion: 64 Resp: 5555
Ion Ratio Lower Upper
64 100
66 28.2 23.5 35.3





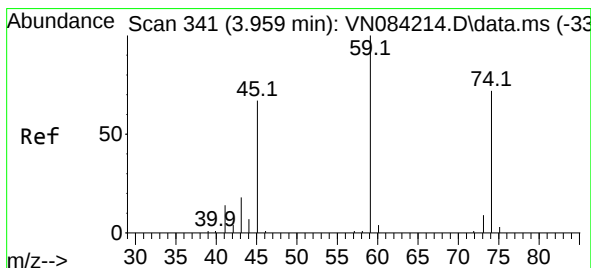
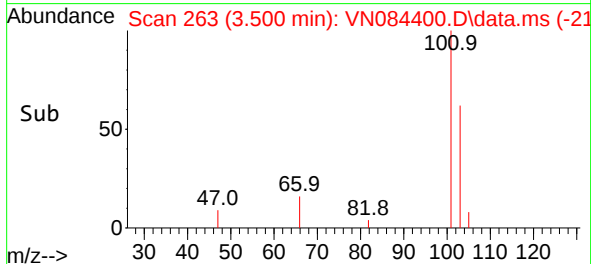
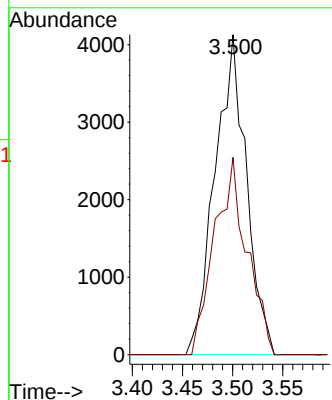
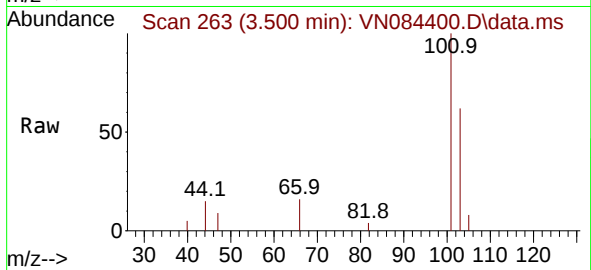
#7
Trichlorofluoromethane
Concen: 2.908 ug/l
RT: 3.500 min Scan# 262
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:101 Resp: 894
Ion Ratio Lower Upper
101 100
103 61.7 51.8 77.6

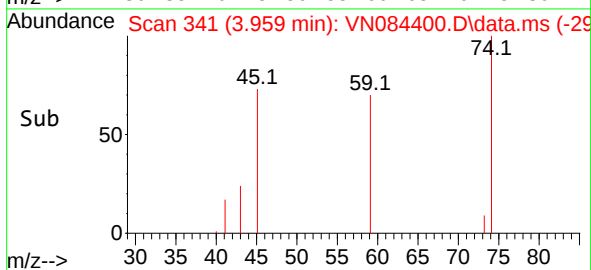
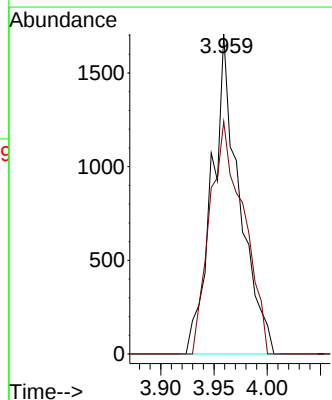
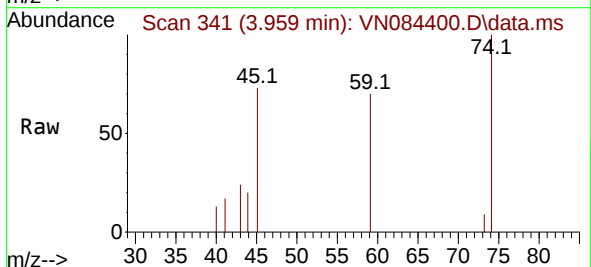
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#8
Diethyl Ether
Concen: 2.673 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

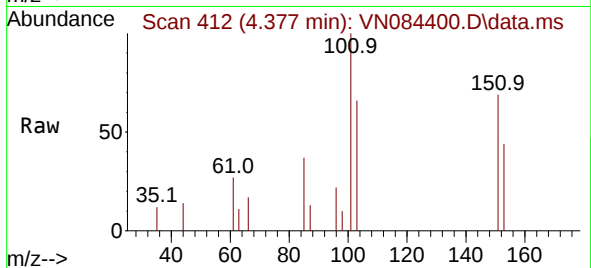
Tgt Ion: 74 Resp: 3050
Ion Ratio Lower Upper
74 100
45 89.6 47.7 143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.886 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

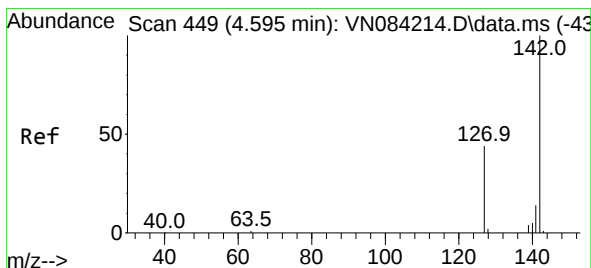
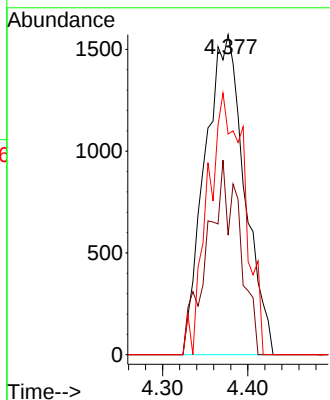
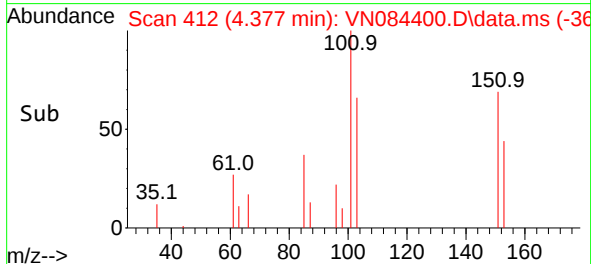
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:101 Resp: 508
Ion Ratio Lower Upper
101 100
85 49.6 36.2 54.4
151 75.9 59.3 88.9

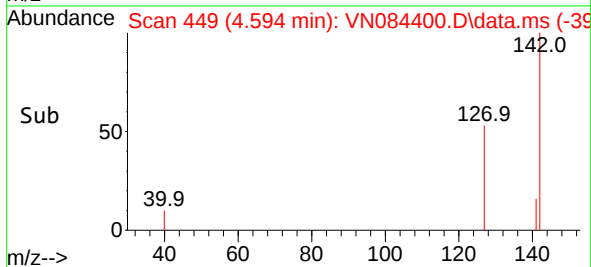
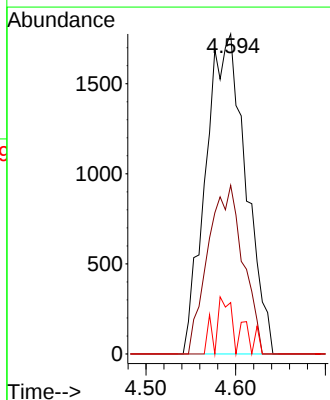
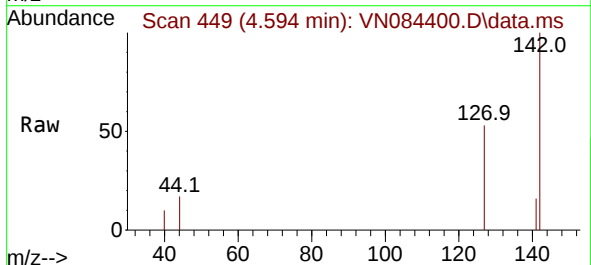
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#10
Methyl Iodide
Concen: 2.417 ug/l
RT: 4.594 min Scan# 449
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

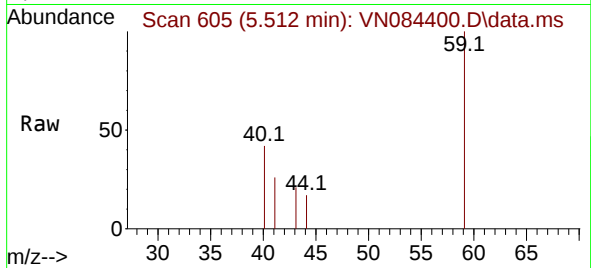
Tgt Ion:142 Resp: 5486
Ion Ratio Lower Upper
142 100
127 52.7 35.3 52.9
141 16.0 11.0 16.6





#11
Tert butyl alcohol
Concen: 4.548 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

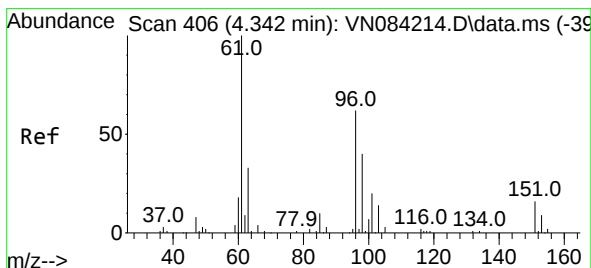
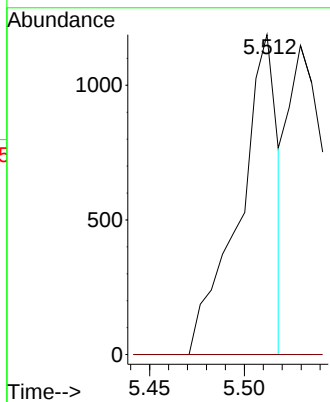
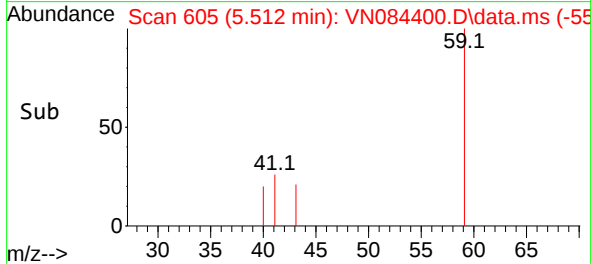
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



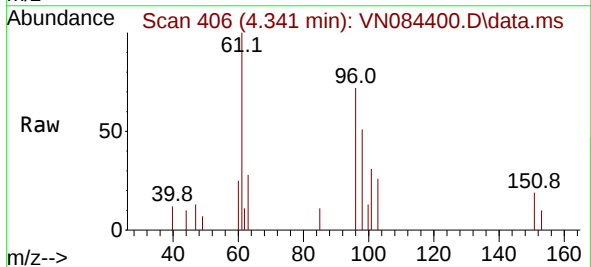
Tgt Ion: 59 Resp: 1679
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

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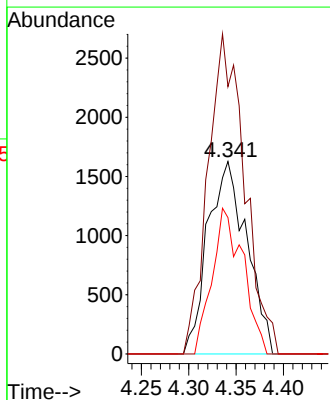
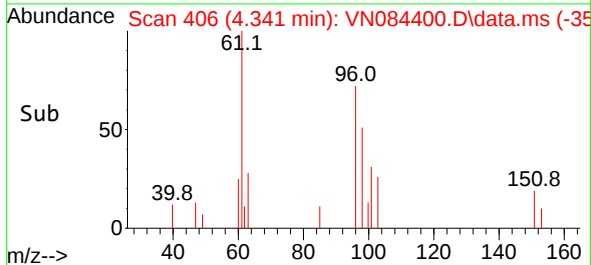
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#12
1,1-Dichloroethene
Concen: 2.737 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



Tgt Ion: 96 Resp: 4654
Ion Ratio Lower Upper
96 100
61 138.9 128.6 192.8
98 70.8 51.7 77.5





#13

Acrolein

Concen: 8.808 ug/l

RT: 4.189 min Scan# 378

Delta R.T. 0.012 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 56 Resp: 373

Ion Ratio Lower Upper

56 100

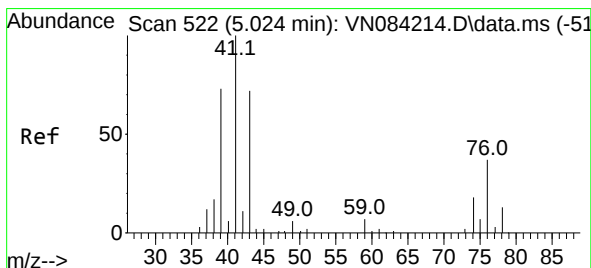
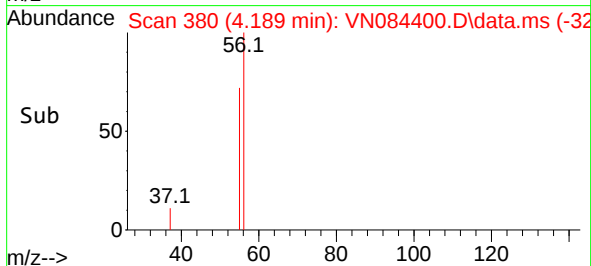
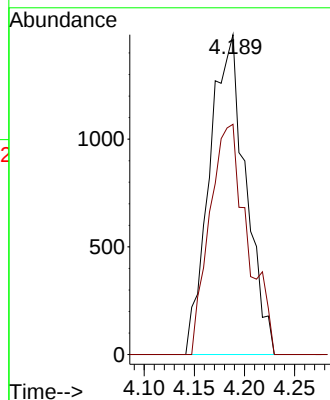
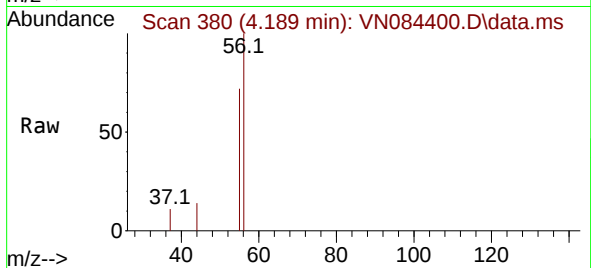
55 74.9 57.2 85.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#14

Allyl chloride

Concen: 2.292 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

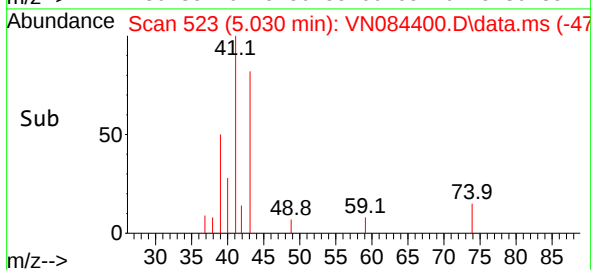
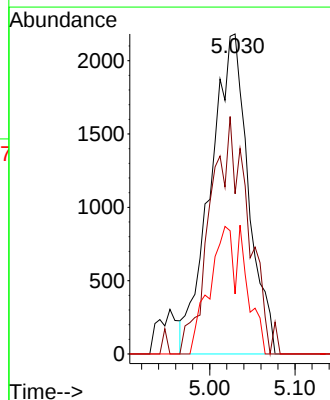
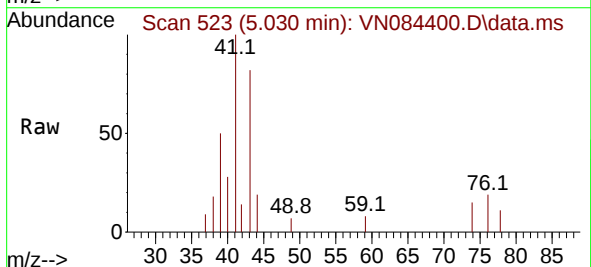
Tgt Ion: 41 Resp: 6767

Ion Ratio Lower Upper

41 100

39 33.8 59.0 88.6#

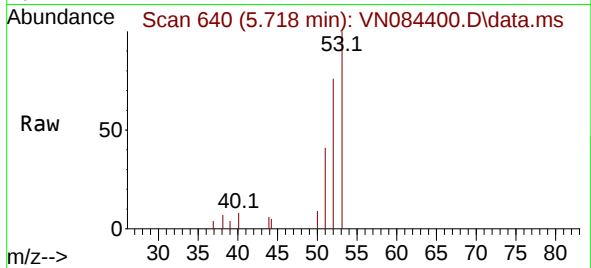
76 25.2 29.8 44.6#





#15
Acrylonitrile
Concen: 13.095 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

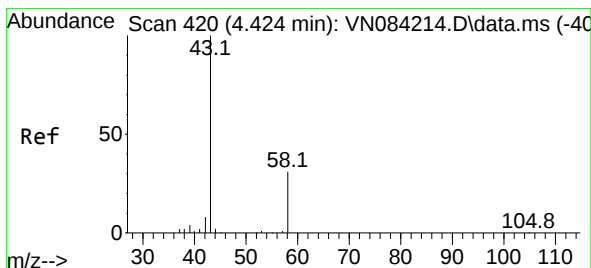
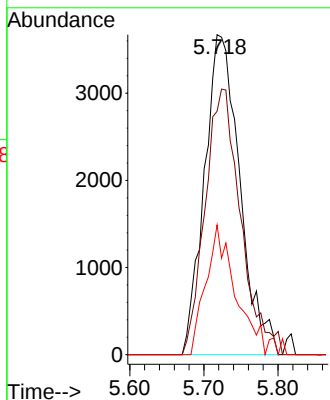
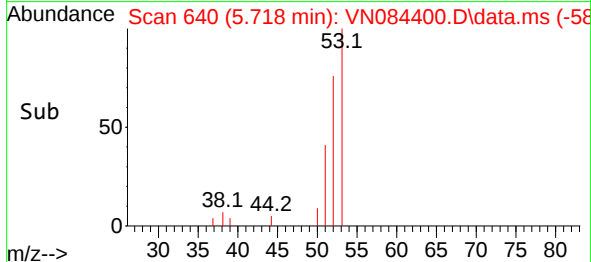
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 53 Resp: 12208
Ion Ratio Lower Upper
53 100
52 83.3 66.2 99.4
51 34.2 28.8 43.2

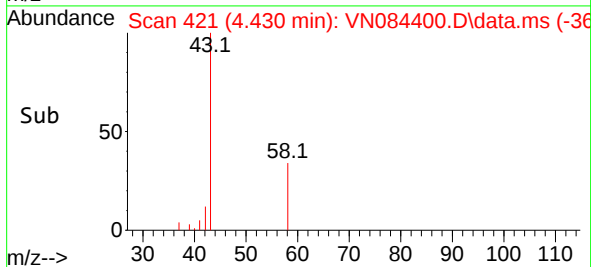
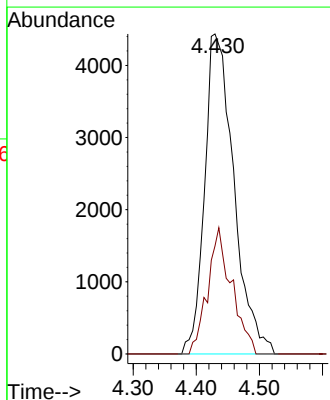
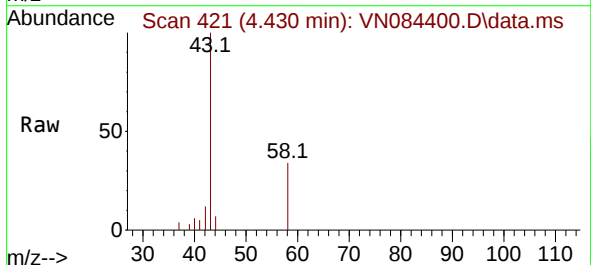
Manual Integrations
APPROVED

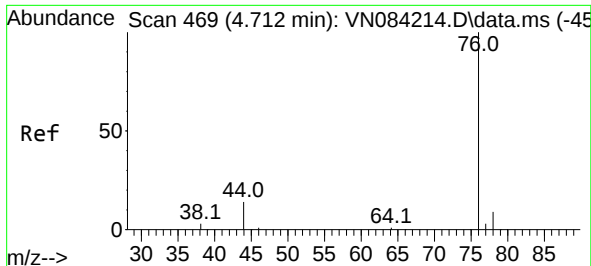
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#16
Acetone
Concen: 14.850 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

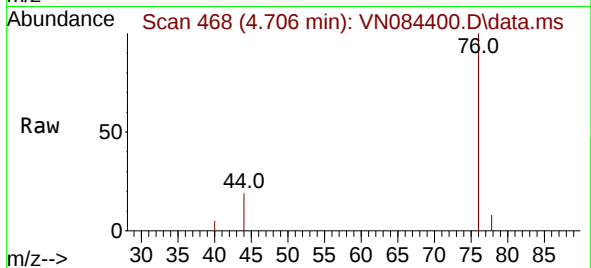
Tgt Ion: 43 Resp: 14283
Ion Ratio Lower Upper
43 100
58 33.7 24.4 36.6





#17
Carbon Disulfide
Concen: 2.423 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

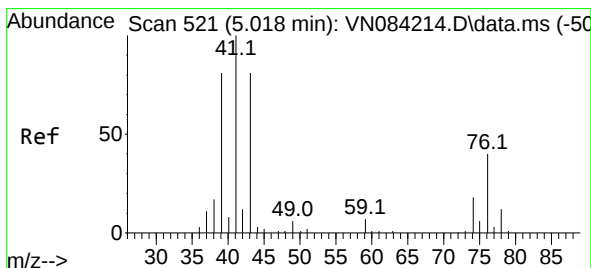
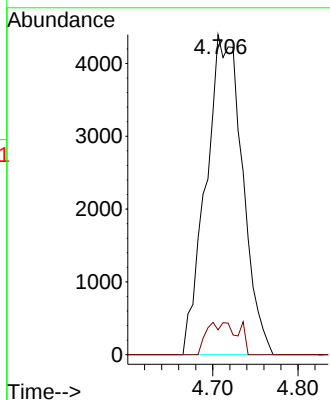
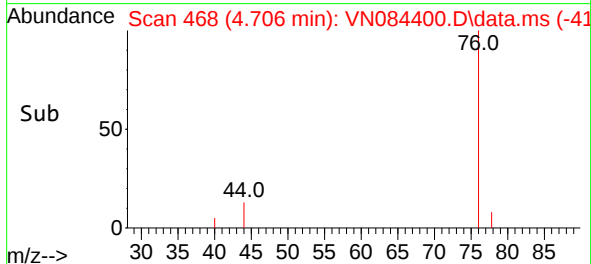
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



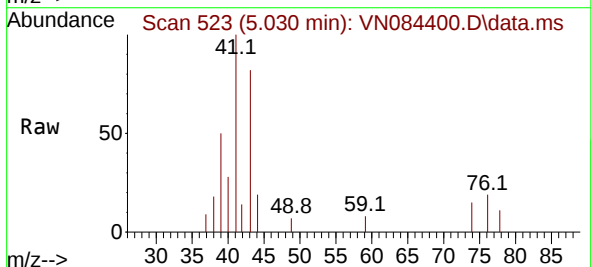
Tgt Ion: 76 Resp: 13044
Ion Ratio Lower Upper
76 100
78 7.8 7.3 10.9

Manual Integrations
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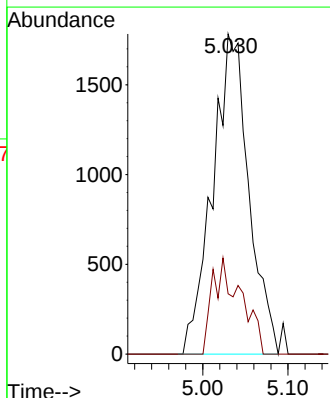
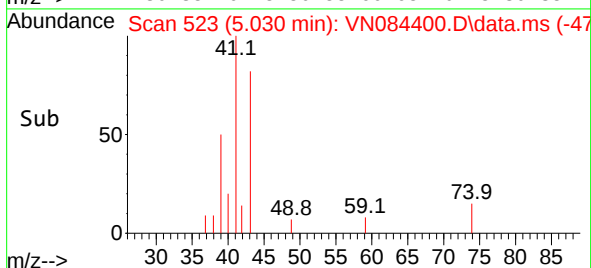
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024

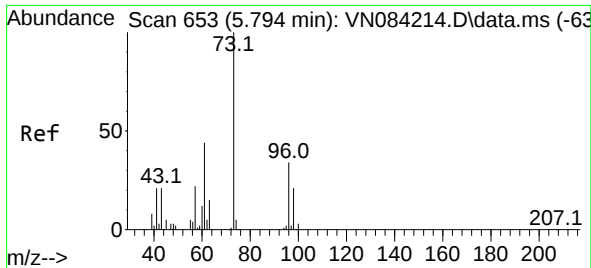


#18
Methyl Acetate
Concen: 2.516 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



Tgt Ion: 43 Resp: 5275
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8





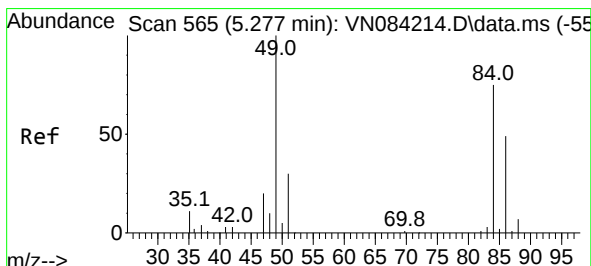
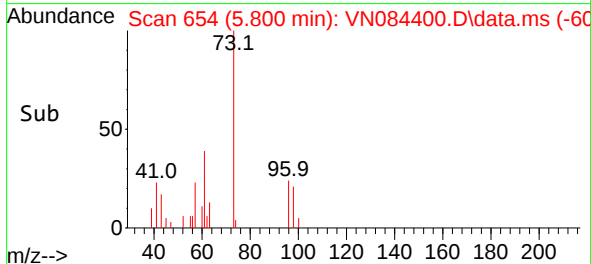
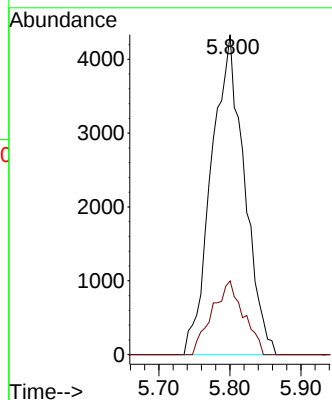
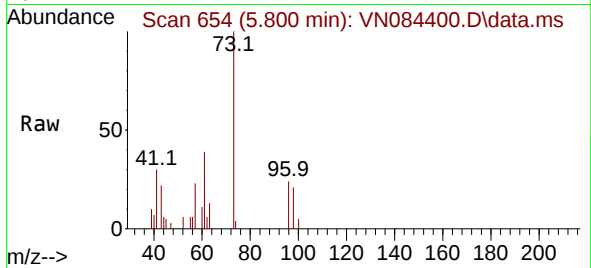
#19
Methyl tert-butyl Ether
Concen: 2.428 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 73 Resp: 13934
Ion Ratio Lower Upper
73 100
57 23.1 17.7 26.5

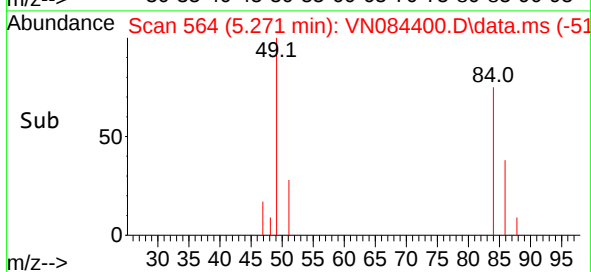
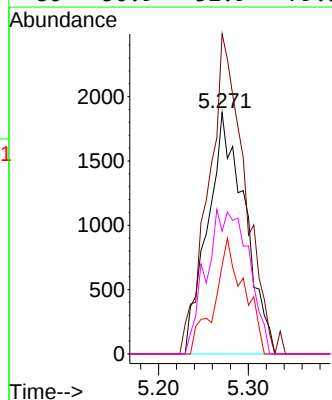
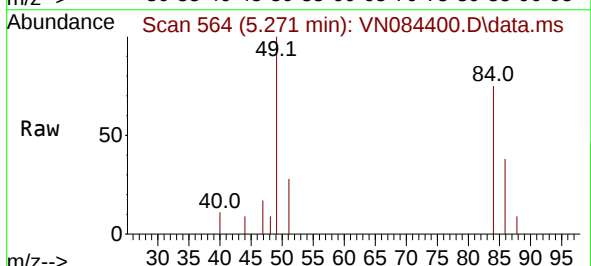
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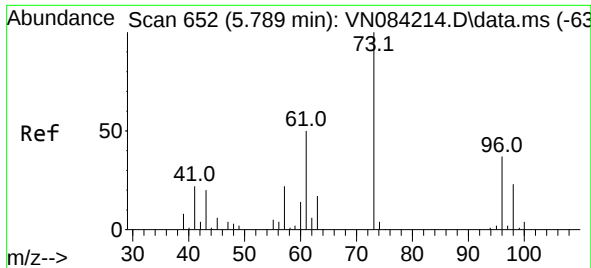
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#20
Methylene Chloride
Concen: 2.754 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion: 84 Resp: 5384
Ion Ratio Lower Upper
84 100
49 132.6 107.2 160.8
51 36.6 31.8 47.8
86 50.9 52.9 79.3#





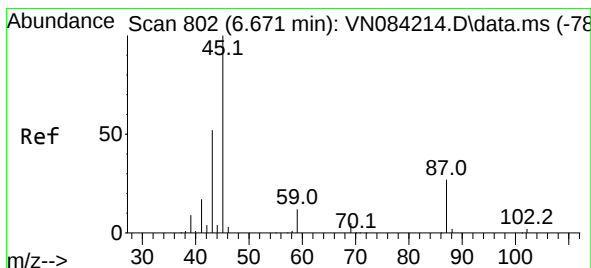
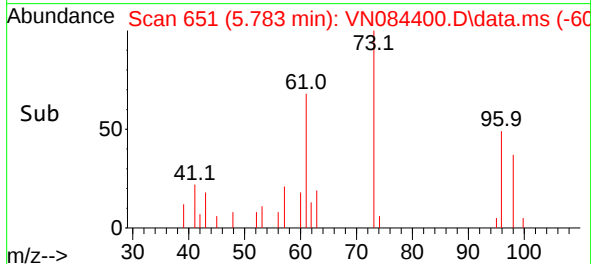
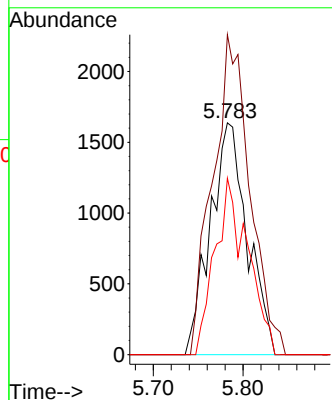
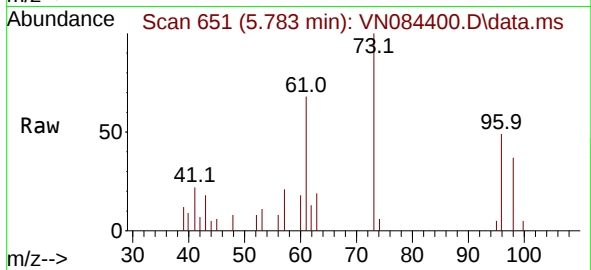
#21
trans-1,2-Dichloroethene
Concen: 2.640 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 96 Resp: 470
Ion Ratio Lower Upper
96 100
61 138.1 108.4 162.6
98 76.1 49.8 74.8

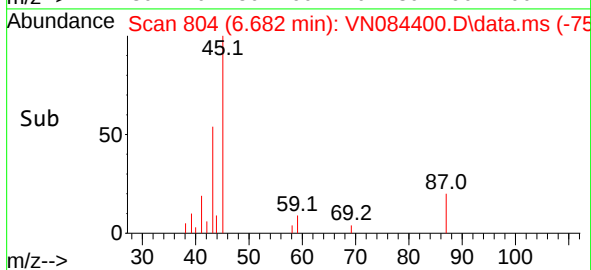
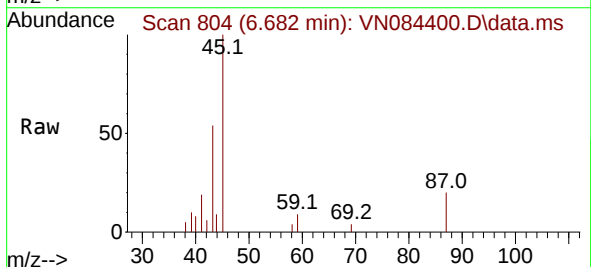
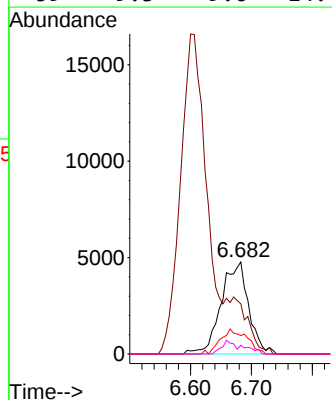
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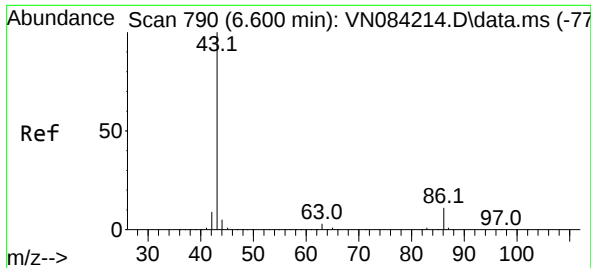
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#22
Diisopropyl ether
Concen: 2.451 ug/l
RT: 6.682 min Scan# 804
Delta R.T. 0.012 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion: 45 Resp: 14973
Ion Ratio Lower Upper
45 100
43 54.4 42.3 63.5
87 20.0 21.8 32.6#
59 9.3 9.6 14.4#





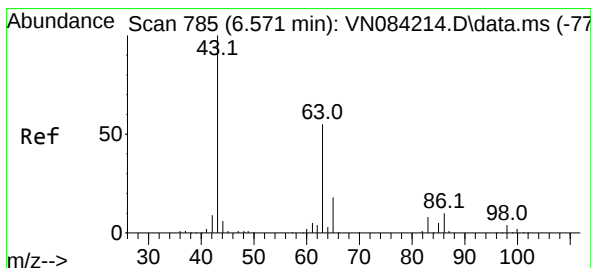
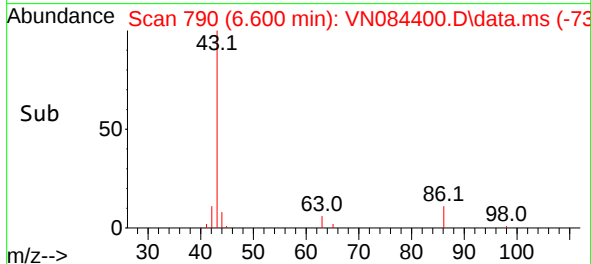
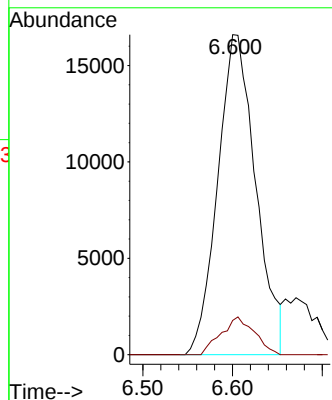
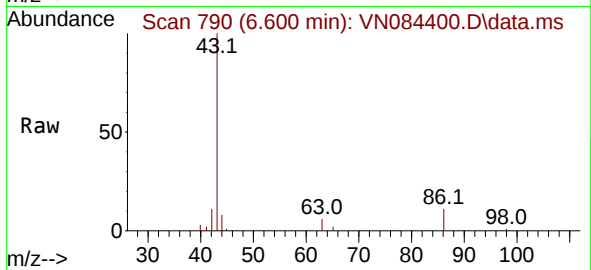
#23
 Vinyl Acetate
 Concen: 10.785 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN084400.D
 Acq: 11 Oct 2024 15:18

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 4885
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 12.8

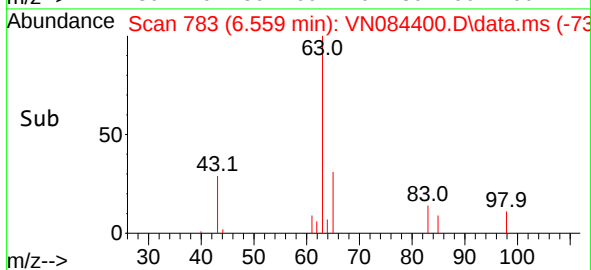
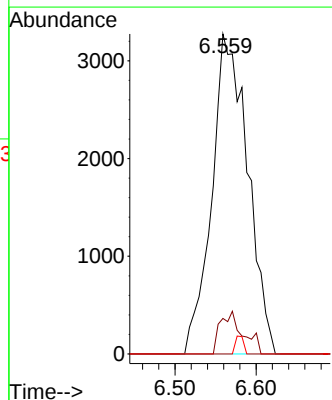
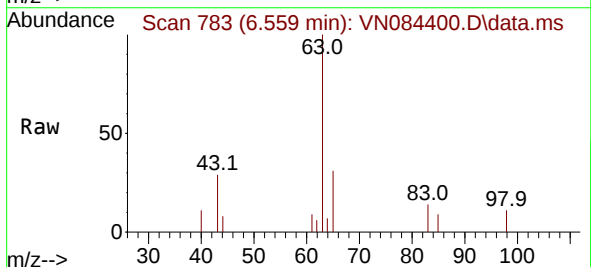
Manual Integrations
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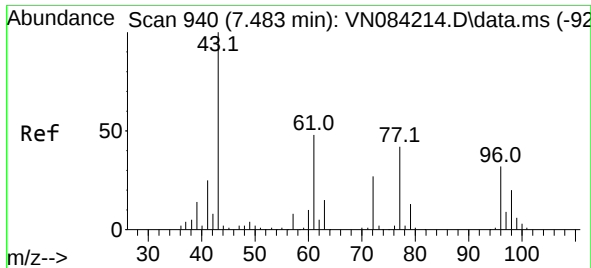
Reviewed By :John Carlone 10/14/2024
 Supervised By :Mahesh Dadoda 10/14/2024



#24
 1,1-Dichloroethane
 Concen: 2.938 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. -0.012 min
 Lab File: VN084400.D
 Acq: 11 Oct 2024 15:18

Tgt Ion: 63 Resp: 10034
 Ion Ratio Lower Upper
 63 100
 98 11.1 3.4 10.2#
 100 0.0 2.0 5.8#





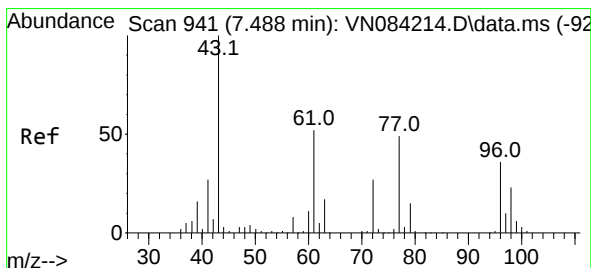
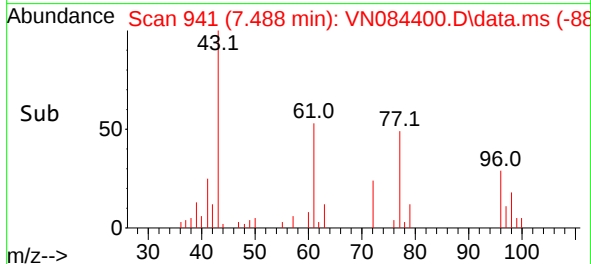
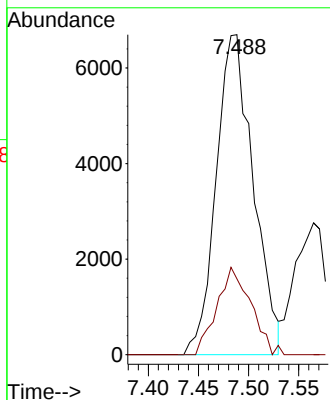
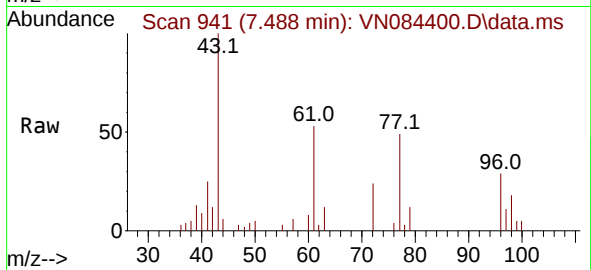
#25
2-Butanone
Concen: 13.160 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 17239
Ion Ratio Lower Upper
43 100
72 23.7 21.4 32.2

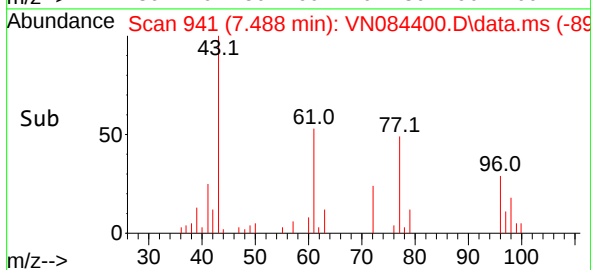
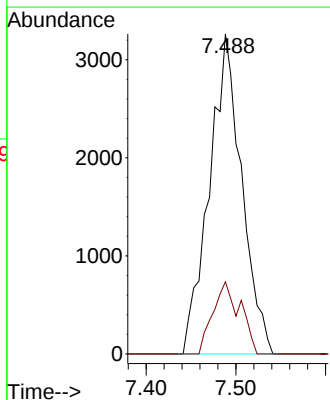
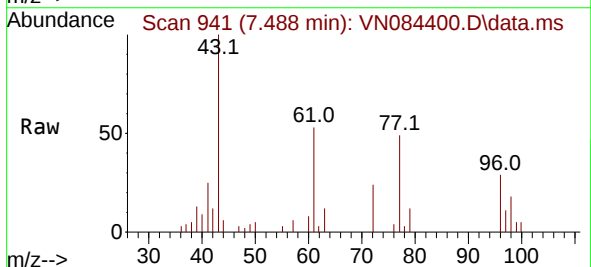
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#26
2,2-Dichloropropane
Concen: 2.653 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

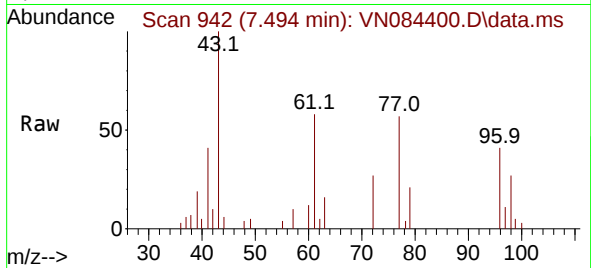
Tgt Ion: 77 Resp: 8170
Ion Ratio Lower Upper
77 100
97 19.0 10.8 32.3





#27
 cis-1,2-Dichloroethene
 Concen: 2.571 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN084400.D
 Acq: 11 Oct 2024 15:18

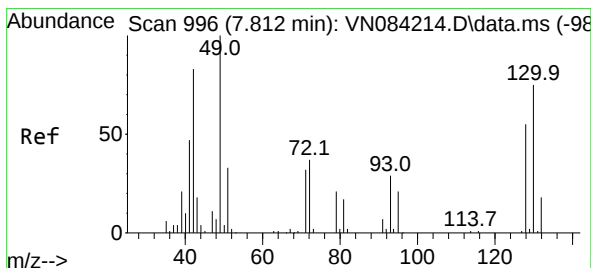
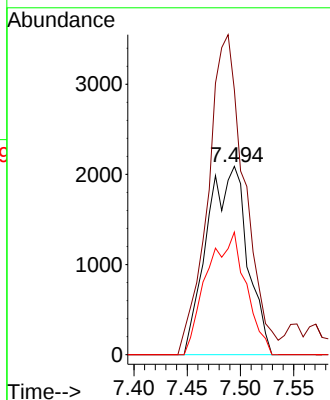
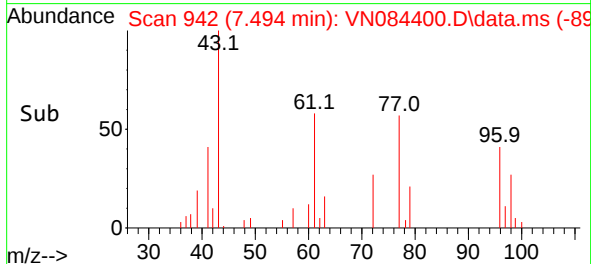
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024



Tgt Ion: 96 Resp: 553
 Ion Ratio Lower Upper
 96 100
 61 153.9 0.0 301.8
 98 62.7 0.0 128.2

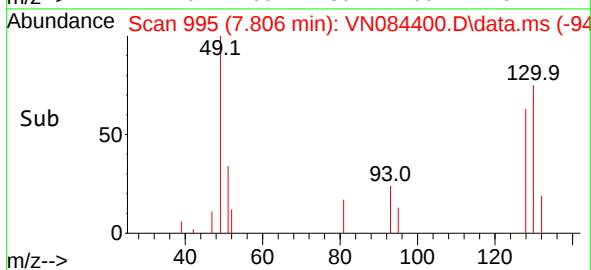
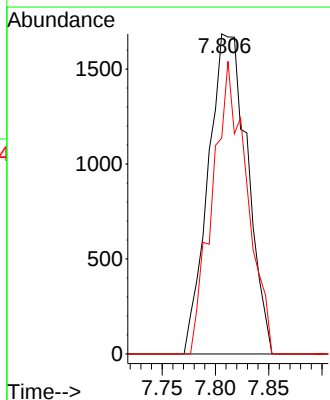
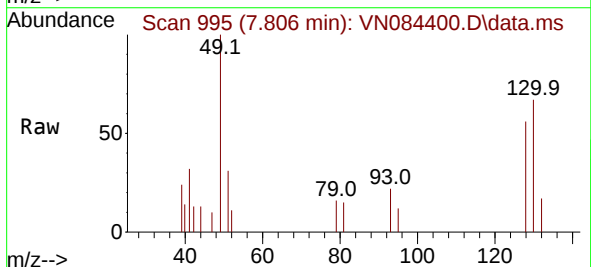
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#28
 Bromochloromethane
 Concen: 2.826 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.006 min
 Lab File: VN084400.D
 Acq: 11 Oct 2024 15:18

Tgt Ion: 49 Resp: 4307
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 79.8 58.0 87.0





#29

Tetrahydrofuran

Concen: 11.101 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN084400.D

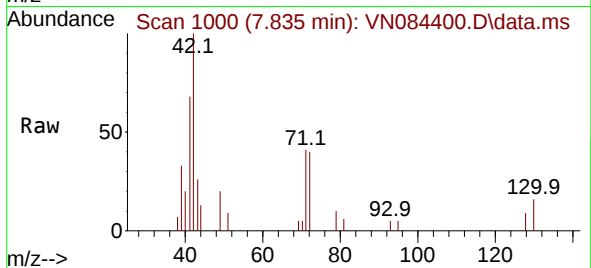
Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024



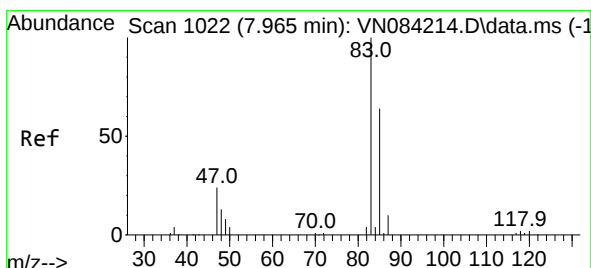
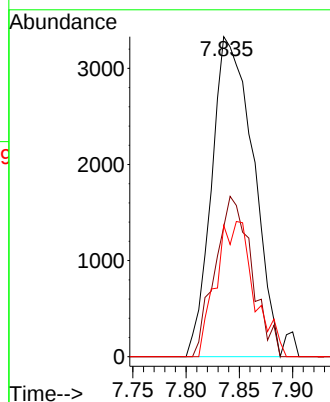
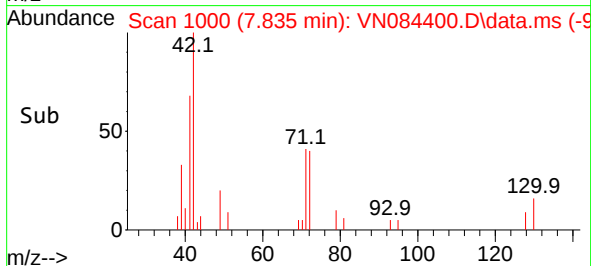
Tgt Ion:	42	Resp:	8974
Ion Ratio	100	Lower	Upper
42	100		
72	44.4	34.6	51.8
71	38.9	32.2	48.4

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#30

Chloroform

Concen: 2.817 ug/l

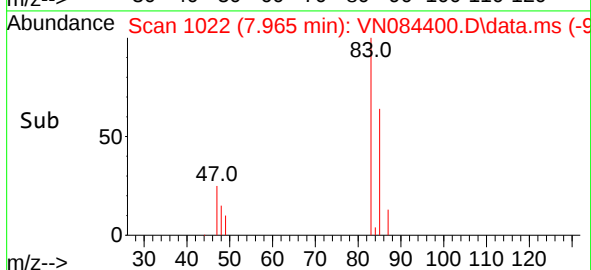
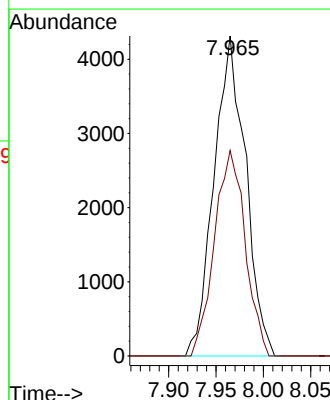
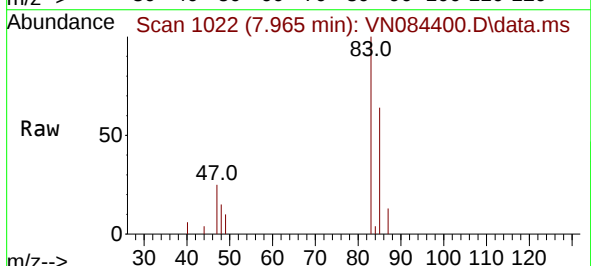
RT: 7.965 min Scan# 1022

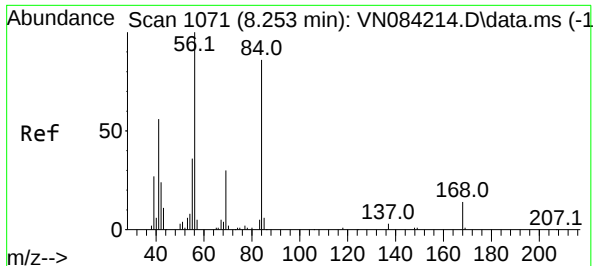
Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:	83	Resp:	9996
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.0	76.4





#31

Cyclohexane

Concen: 3.212 ug/l

RT: 8.253 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 56 Resp: 1065

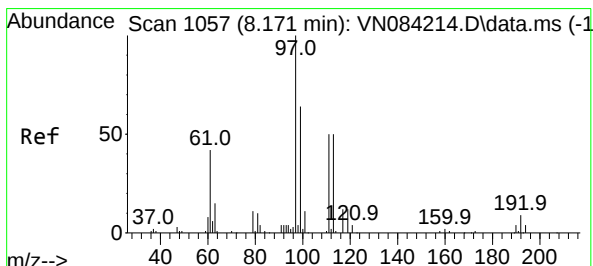
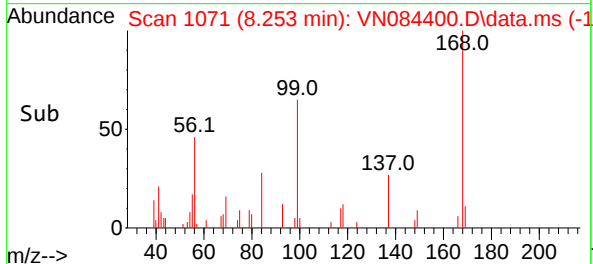
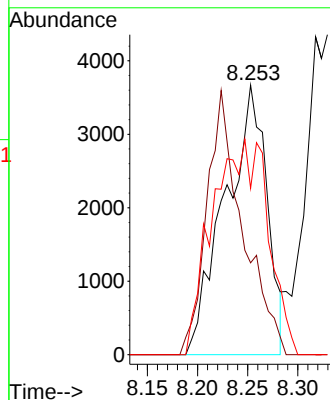
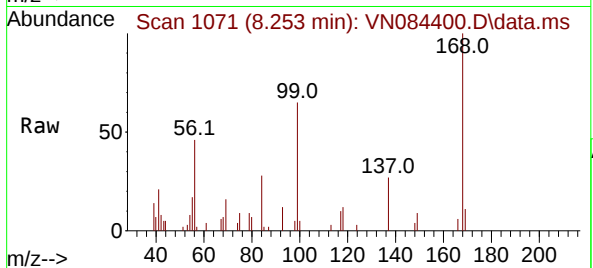
Ion	Ratio	Lower	Upper
56	100		
69	34.1	23.8	35.6
84	61.7	68.8	103.2

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#32

1,1,1-Trichloroethane

Concen: 2.785 ug/l

RT: 8.165 min Scan# 1056

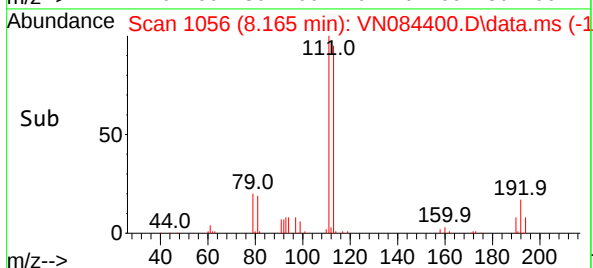
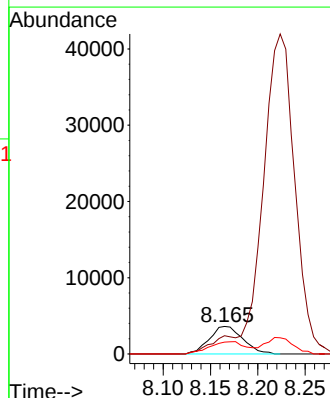
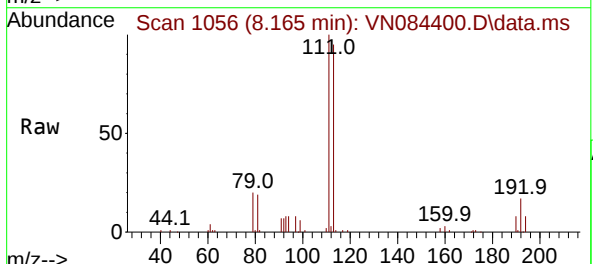
Delta R.T. -0.006 min

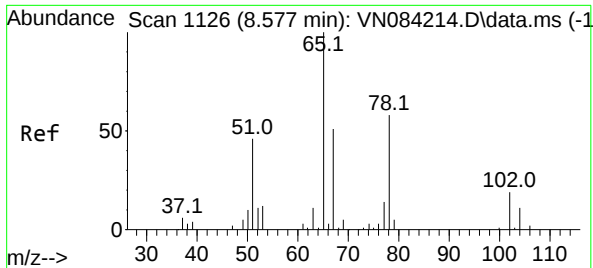
Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion: 97 Resp: 8874

Ion	Ratio	Lower	Upper
97	100		
99	50.8	51.2	76.8
61	47.7	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 56.206 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 65 Resp: 12584

Ion Ratio Lower Upper

65 100

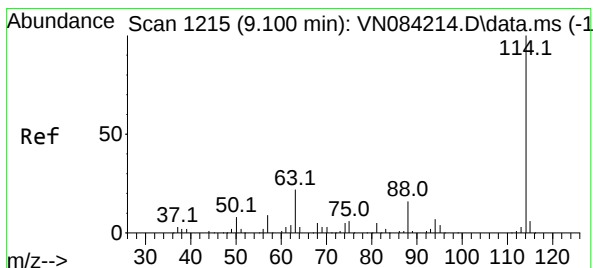
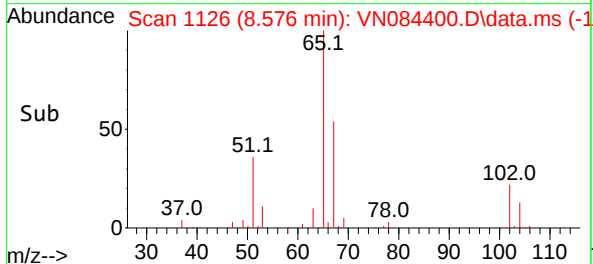
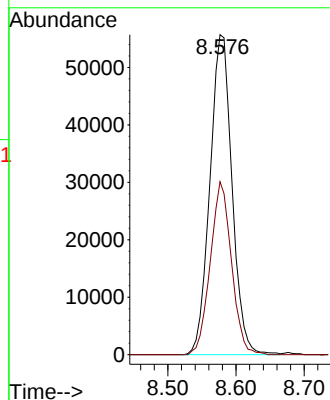
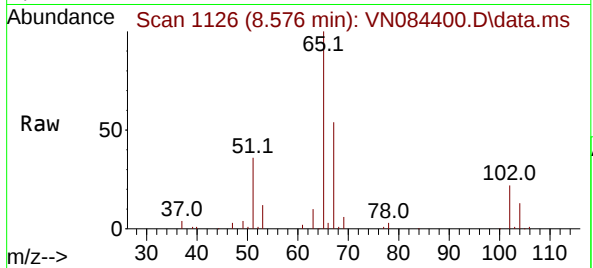
67 51.7 0.0 102.0

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Supervised By :Mahesh Dadoda 10/14/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

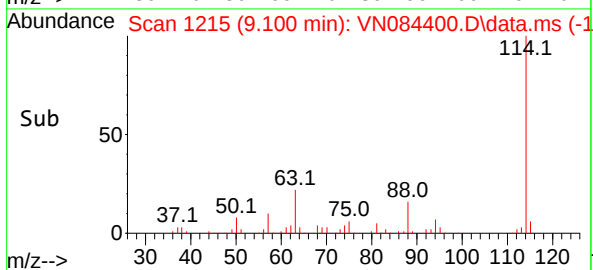
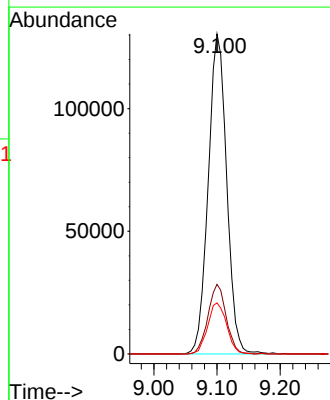
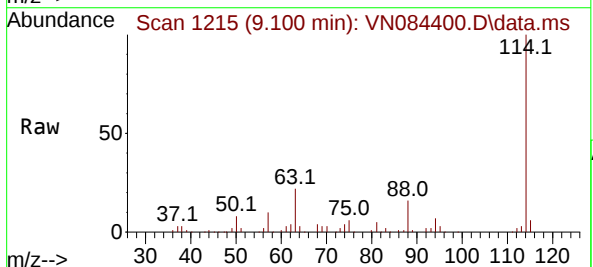
Tgt Ion:114 Resp: 264928

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 56.190 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 113 Resp: 98140

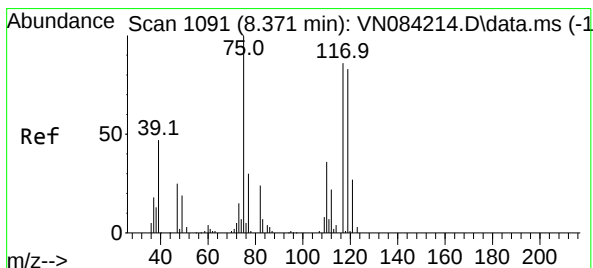
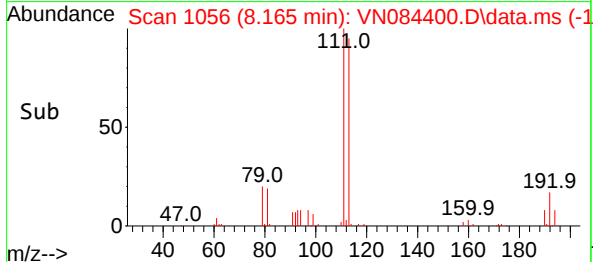
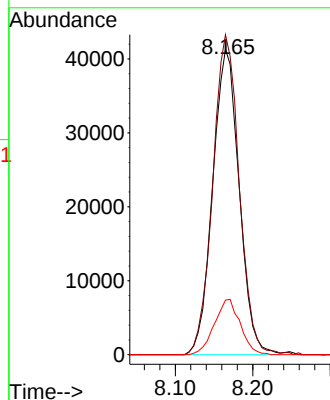
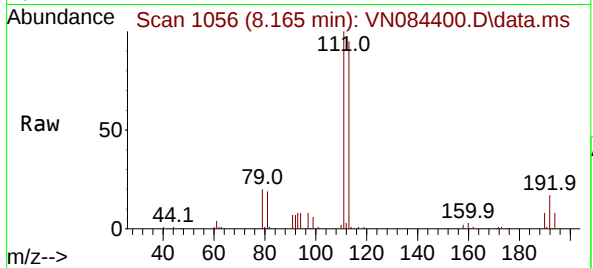
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.3	124.9
192	17.7	13.5	20.3

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Supervised By :Mahesh Dadoda 10/14/2024



#36

1,1-Dichloropropene

Concen: 2.634 ug/l

RT: 8.371 min Scan# 1091

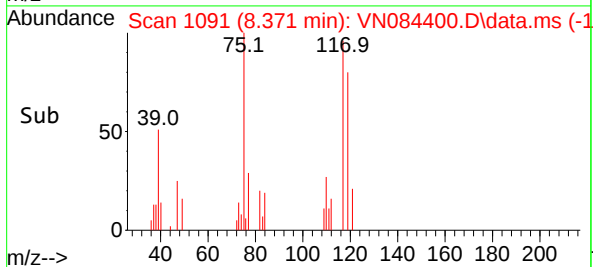
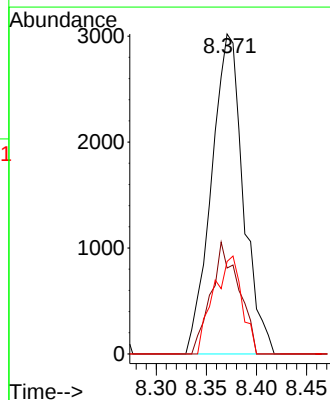
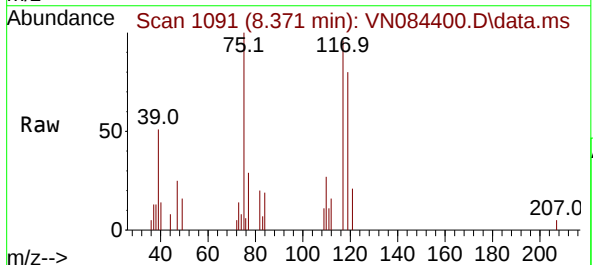
Delta R.T. -0.000 min

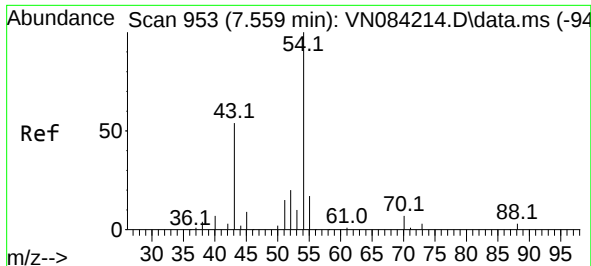
Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion: 75 Resp: 6683

Ion	Ratio	Lower	Upper
75	100		
110	30.5	16.9	50.7
77	27.2	24.7	37.1





#37

Ethyl Acetate

Concen: 2.574 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 6700

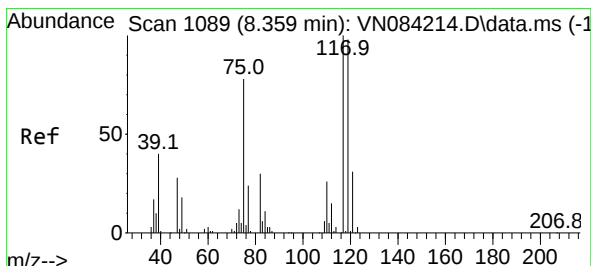
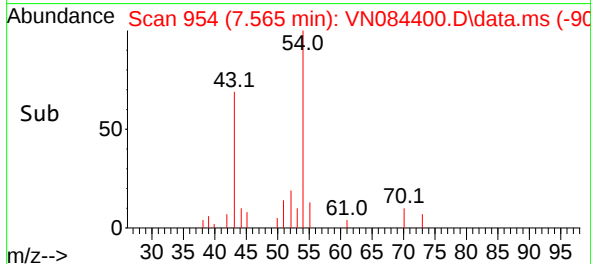
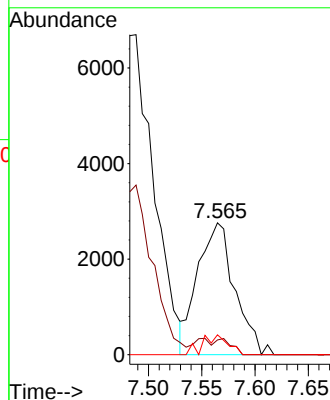
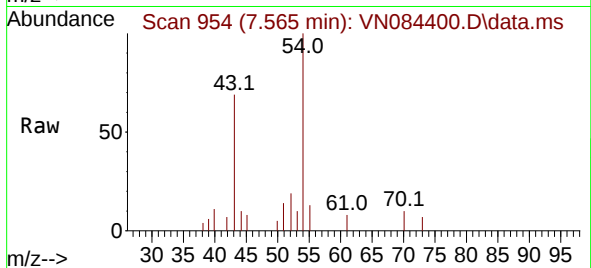
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1
70	10.2	8.8	13.2

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#38

Carbon Tetrachloride

Concen: 2.804 ug/l

RT: 8.359 min Scan# 1089

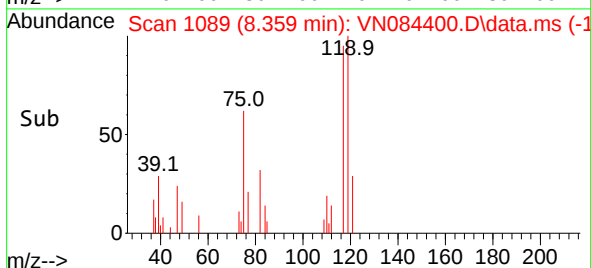
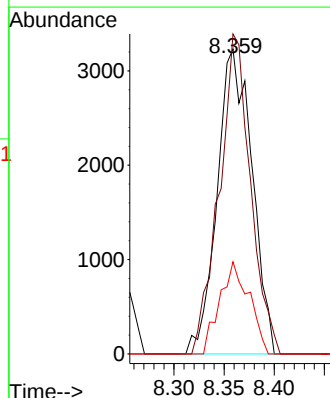
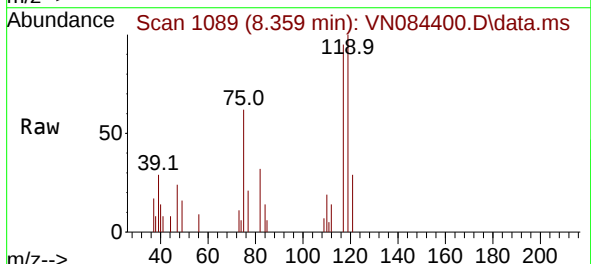
Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:117 Resp: 7804

Ion	Ratio	Lower	Upper
117	100		
119	104.9	78.7	118.1
121	30.2	24.4	36.6





#39

Methylcyclohexane

Concen: 2.280 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

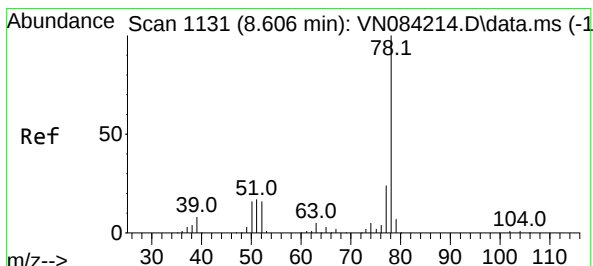
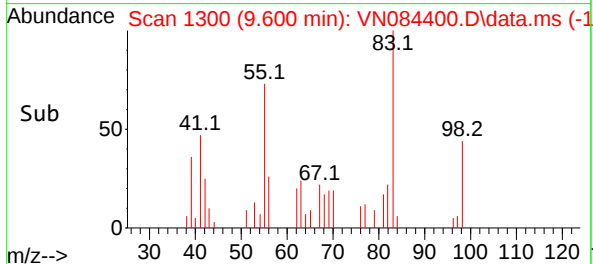
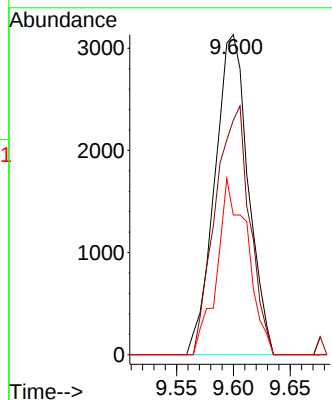
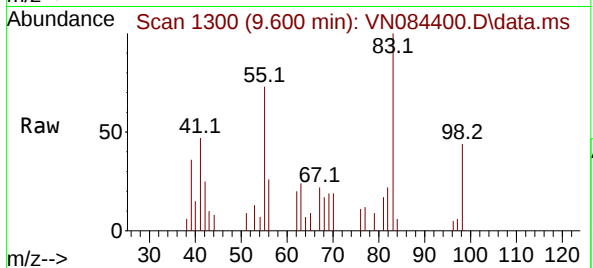
Tgt Ion: 83	Resp: 6438
Ion Ratio	Lower Upper
83	100
55	73.3 62.8 94.2
98	43.6 38.8 58.2

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#40

Benzene

Concen: 2.689 ug/l

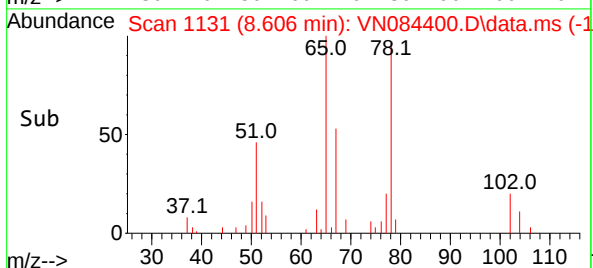
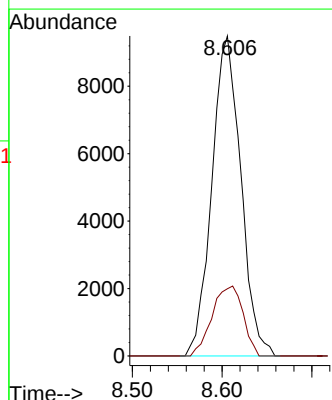
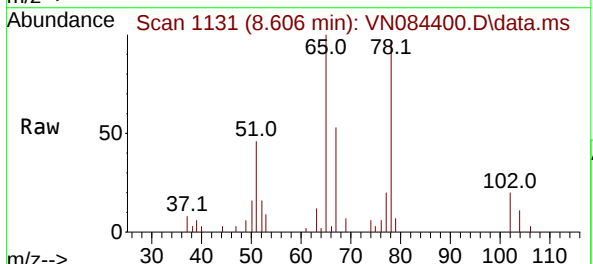
RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

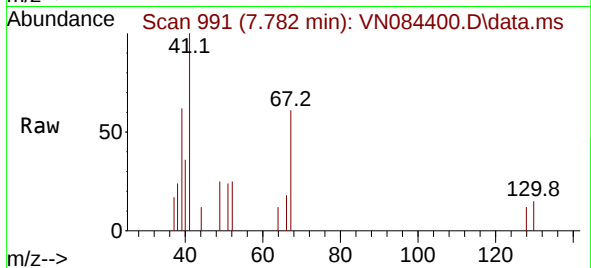
Tgt Ion: 78	Resp: 21257
Ion Ratio	Lower Upper
78	100
77	21.0 19.1 28.7





#41
Methacrylonitrile
Concen: 2.316 ug/l
RT: 7.782 min Scan# 990
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

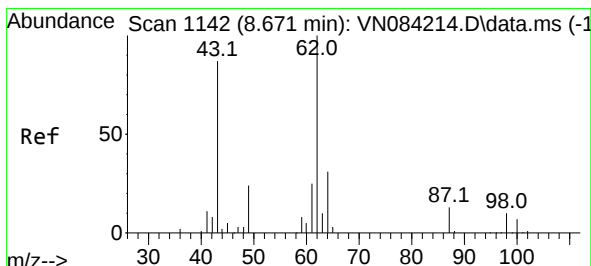
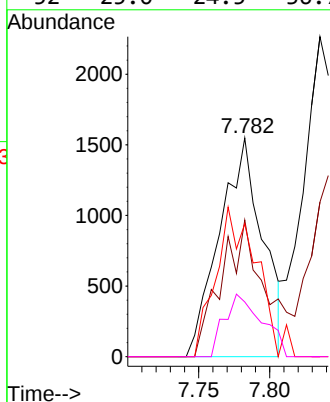
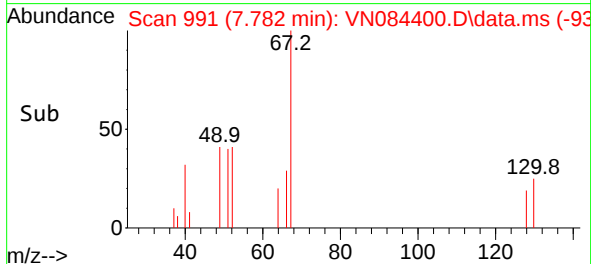
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:	41	Resp:	327
Ion	Ratio	Lower	Upper
41	100		
39	65.4	43.3	64.9
67	65.4	56.1	84.1
52	25.0	24.5	36.7

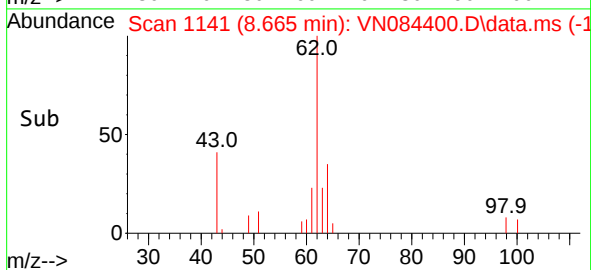
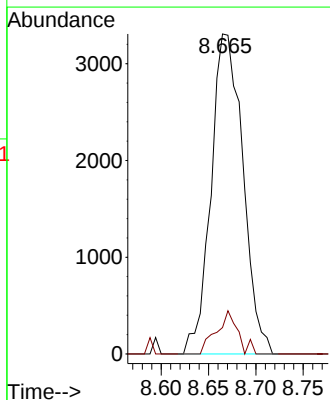
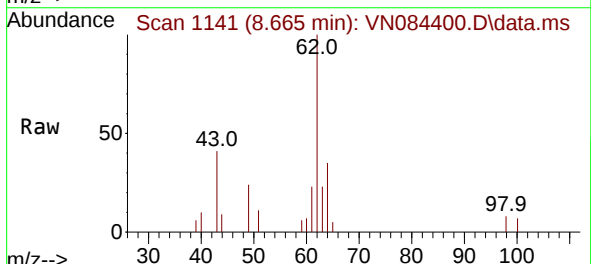
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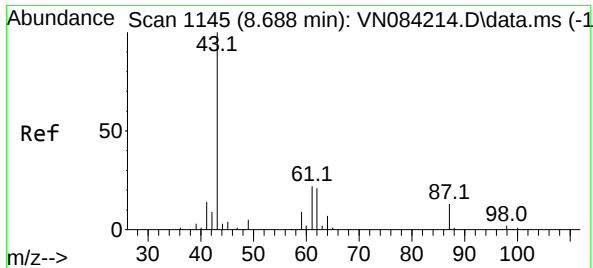
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#42
1,2-Dichloroethane
Concen: 2.888 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion:	62	Resp:	7739
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





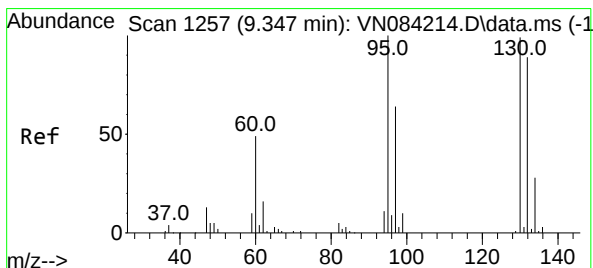
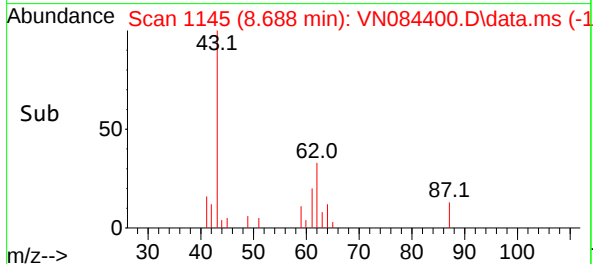
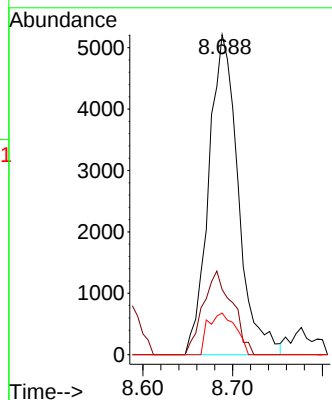
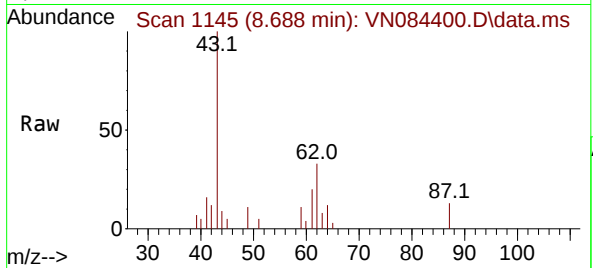
#43
Isopropyl Acetate
Concen: 2.338 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
61 25.9 20.4 30.6
87 12.2 10.3 15.5

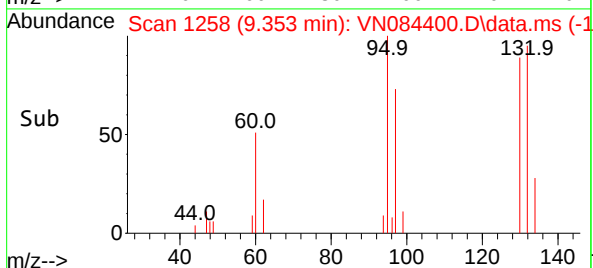
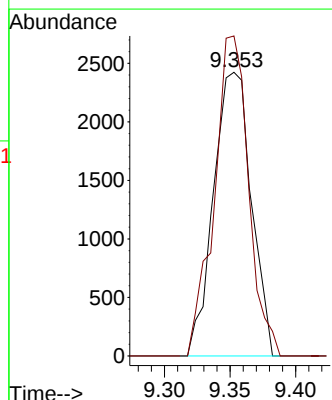
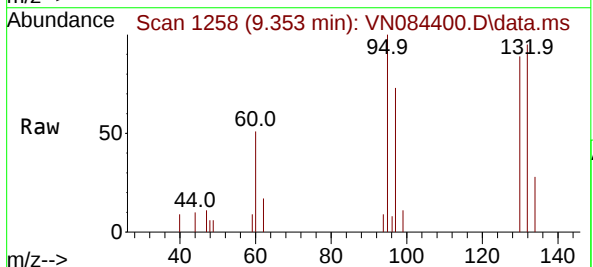
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#44
Trichloroethene
Concen: 2.633 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion:130 Resp: 4860
Ion Ratio Lower Upper
130 100
95 112.8 0.0 203.0





#45

1,2-Dichloropropane

Concen: 2.865 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

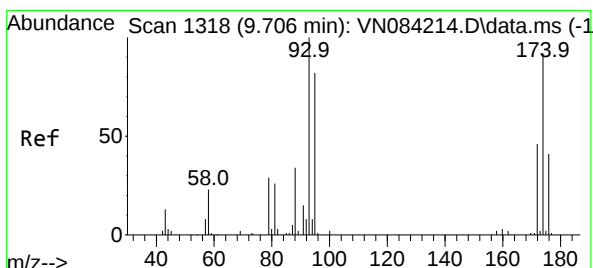
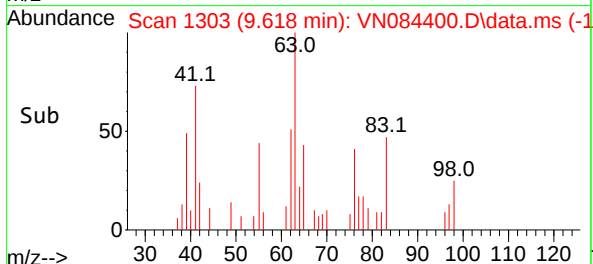
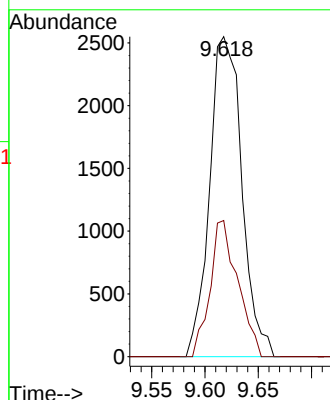
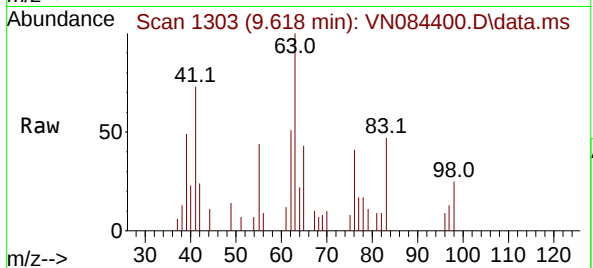
Tgt Ion: 63 Resp: 535
 Ion Ratio Lower Upper
 63 100
 65 42.5 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#46

Dibromomethane

Concen: 2.926 ug/l

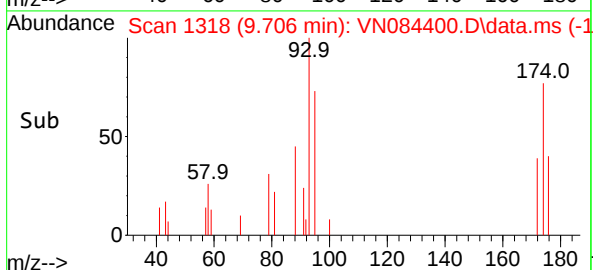
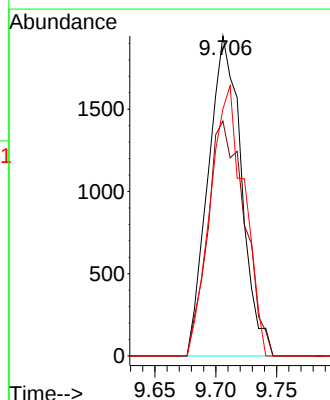
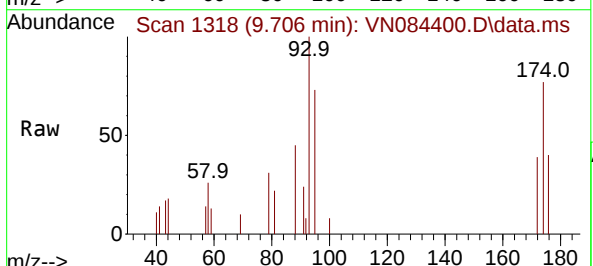
RT: 9.706 min Scan# 1318

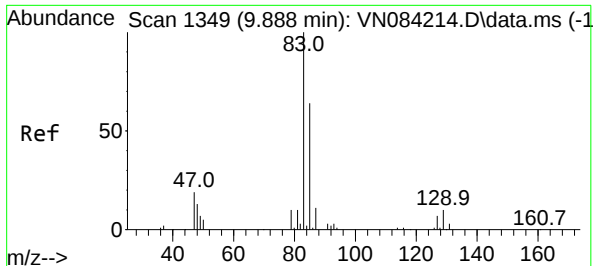
Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion: 93 Resp: 3692
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.0 97.4
 174 86.3 71.8 107.8





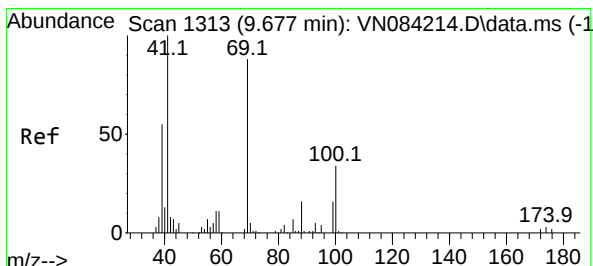
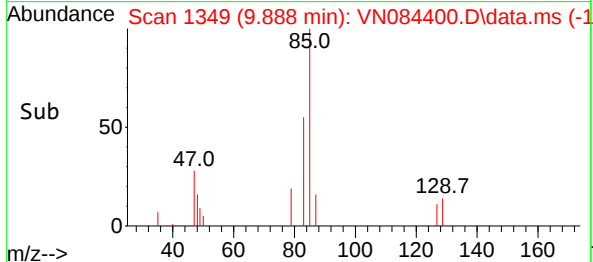
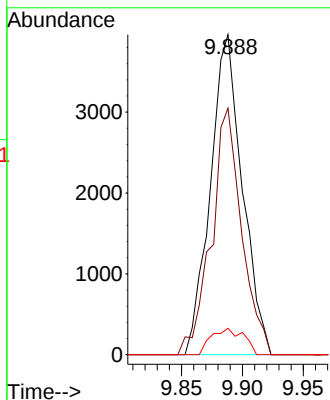
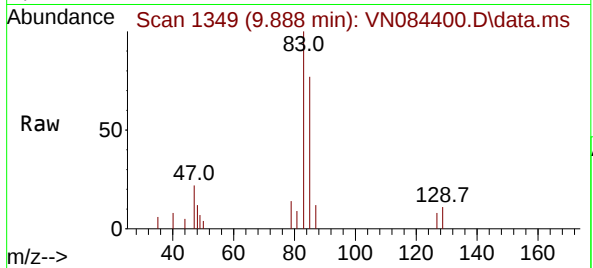
#47
Bromodichloromethane
Concen: 2.579 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion: 83 Resp: 723
Ion Ratio Lower Upper
83 100
85 77.0 51.5 77.3
127 8.2 5.7 8.5

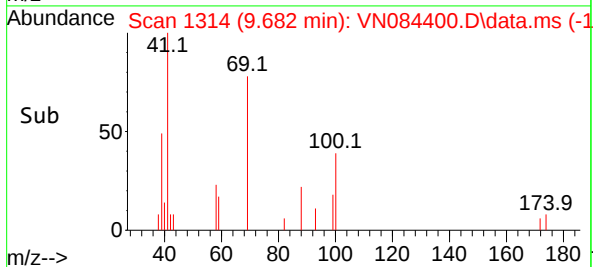
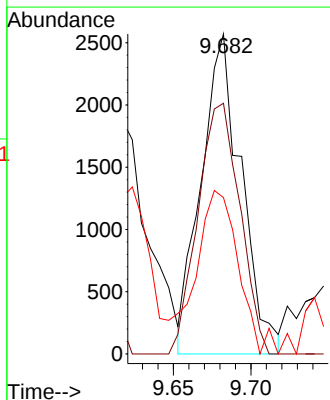
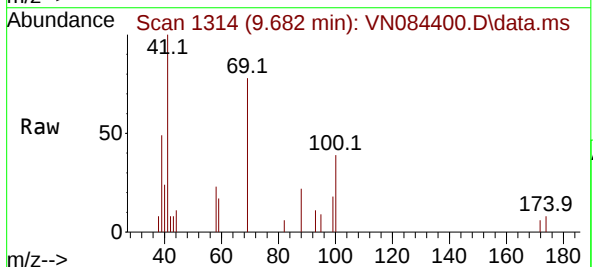
Manual Integrations
APPROVED

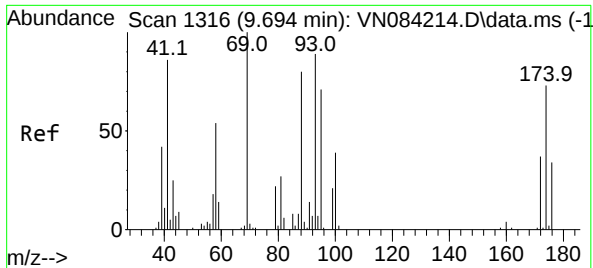
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#48
Methyl methacrylate
Concen: 2.276 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion: 41 Resp: 4619
Ion Ratio Lower Upper
41 100
69 82.1 67.1 100.7
39 54.1 45.8 68.6





#49

1,4-Dioxane

Concen: 58.243 ug/l

RT: 9.700 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 88 Resp: 2170

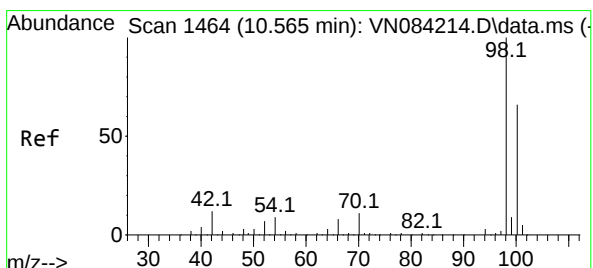
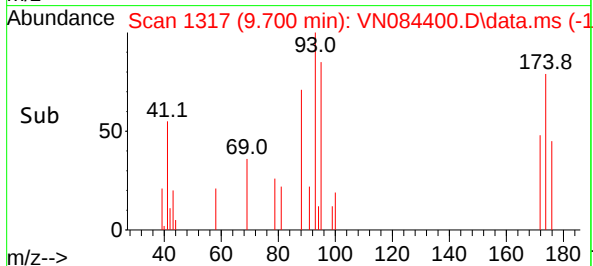
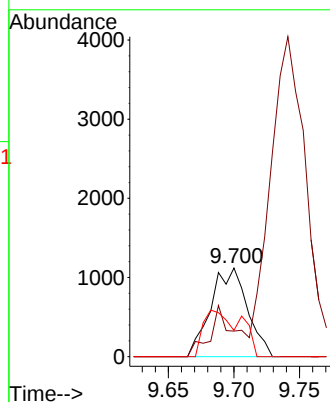
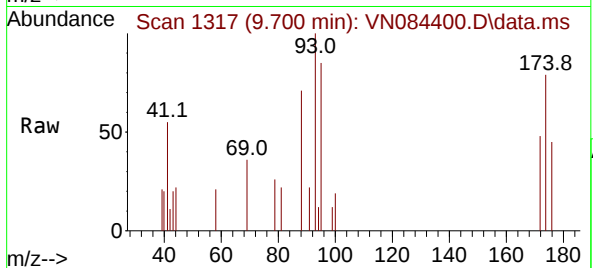
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	53.1	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#50

Toluene-d8

Concen: 54.185 ug/l

RT: 10.565 min Scan# 1464

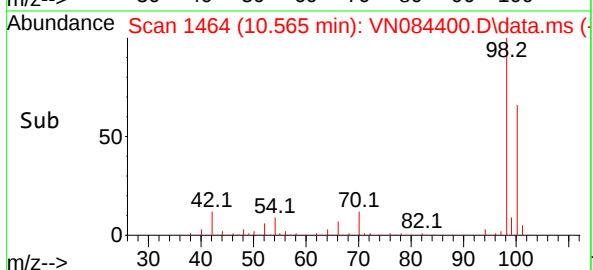
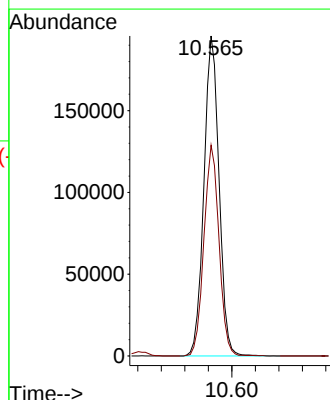
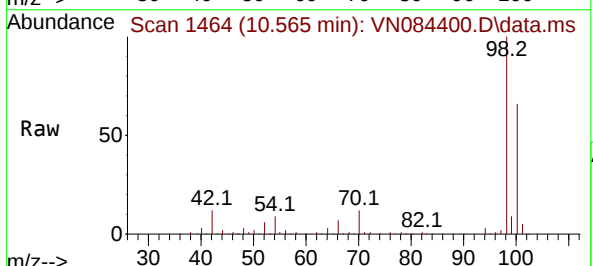
Delta R.T. -0.000 min

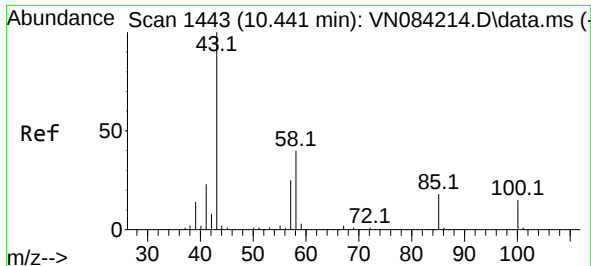
Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion: 98 Resp: 348182

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





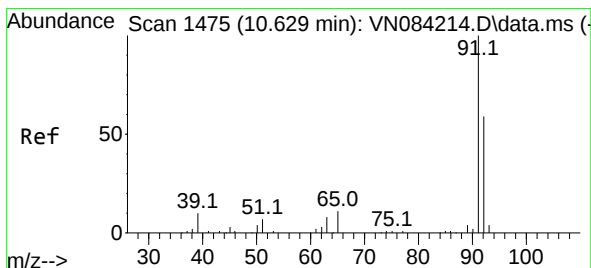
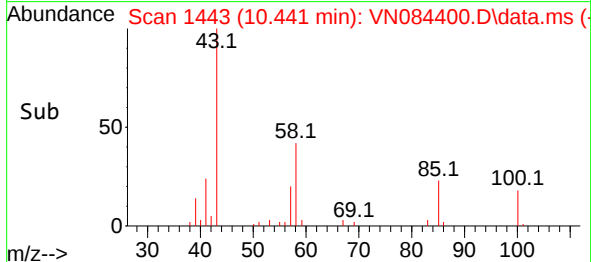
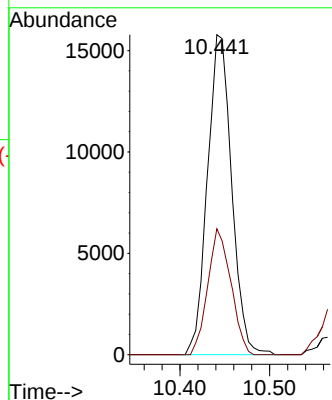
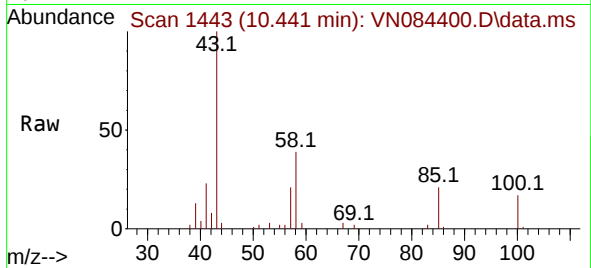
#51
4-Methyl-2-Pentanone
Concen: 11.956 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 2962
Ion Ratio Lower Upper
43 100
58 37.5 31.6 47.4

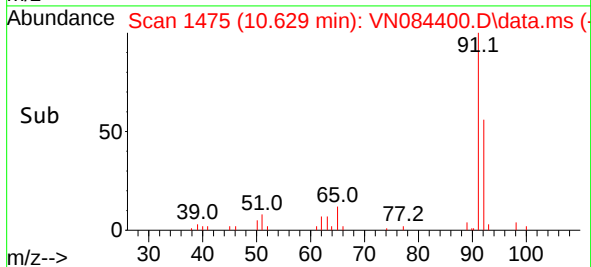
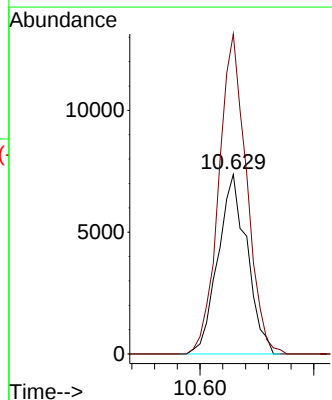
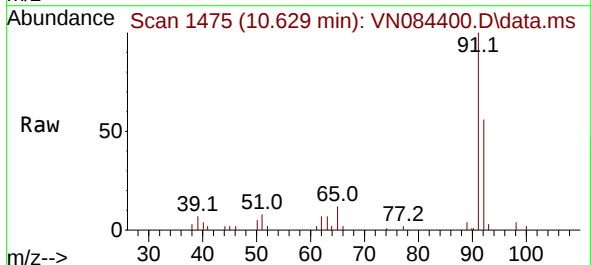
Manual Integrations
APPROVED

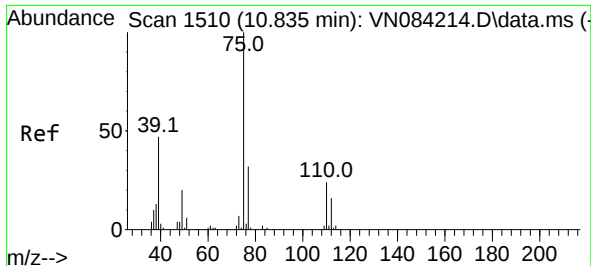
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#52
Toluene
Concen: 2.717 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

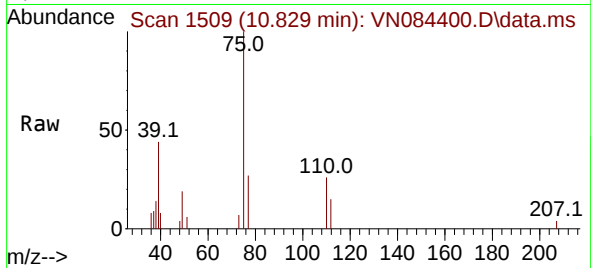
Tgt Ion: 92 Resp: 13098
Ion Ratio Lower Upper
92 100
91 170.5 137.3 205.9





#53
t-1,3-Dichloropropene
Concen: 2.448 ug/l
RT: 10.829 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

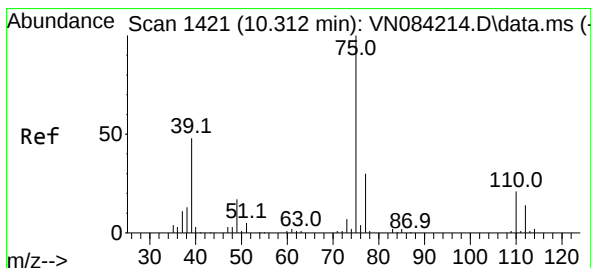
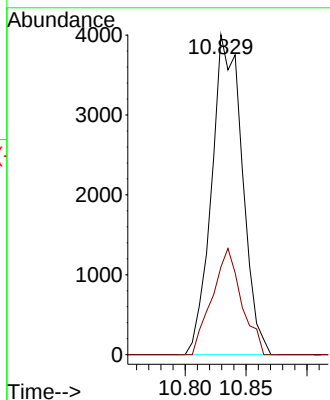
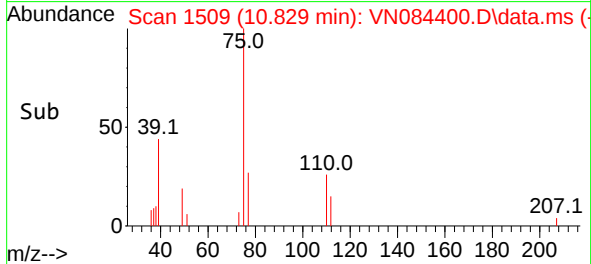
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 75 Resp: 699
Ion Ratio Lower Upper
75 100
77 27.4 25.4 38.0

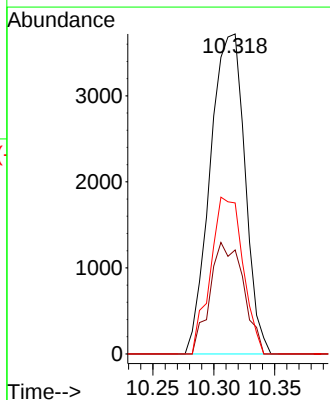
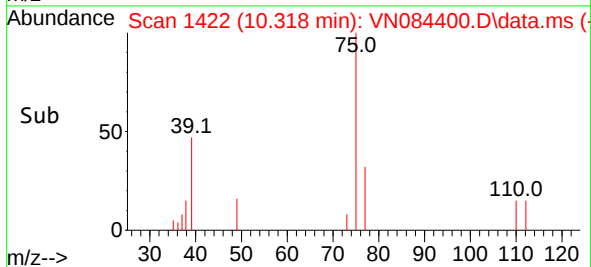
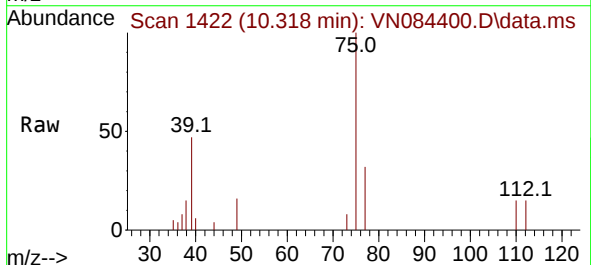
Manual Integrations
APPROVED

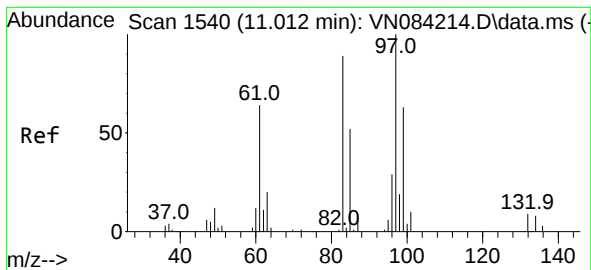
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#54
cis-1,3-Dichloropropene
Concen: 2.402 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

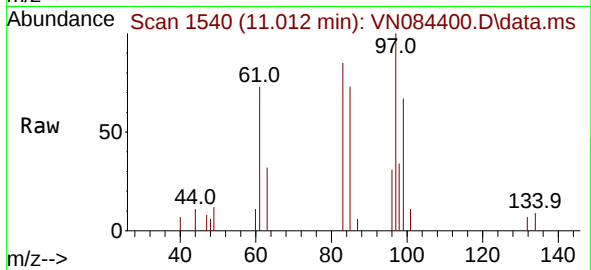
Tgt Ion: 75 Resp: 7382
Ion Ratio Lower Upper
75 100
77 32.5 24.2 36.2
39 47.2 38.7 58.1





#55
1,1,2-Trichloroethane
Concen: 2.662 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

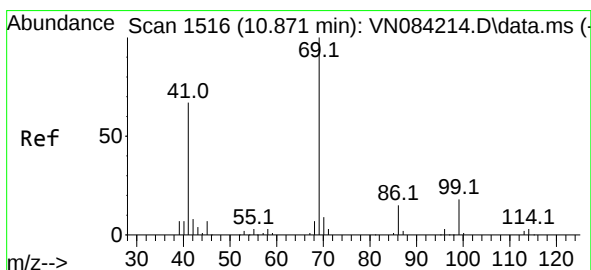
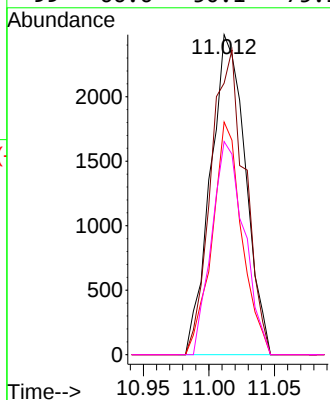
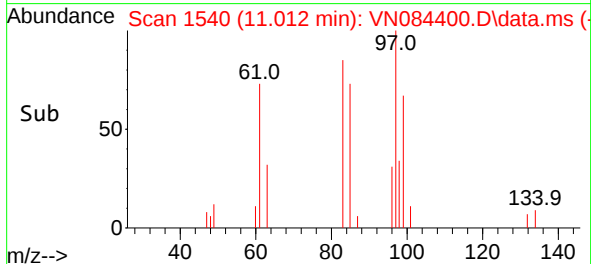
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



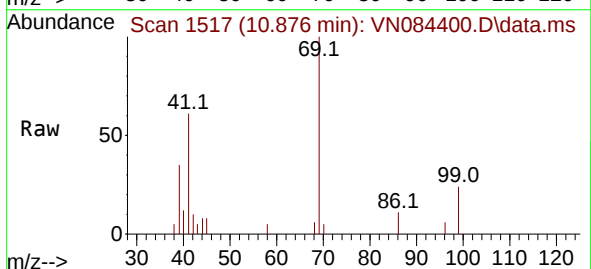
Tgt Ion: 97 Resp: 4598
Ion Ratio Lower Upper
97 100
83 84.8 71.0 106.4
85 72.7 41.7 62.5
99 66.6 50.1 75.1

Manual Integrations
APPROVED

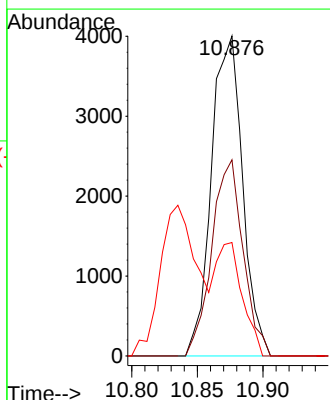
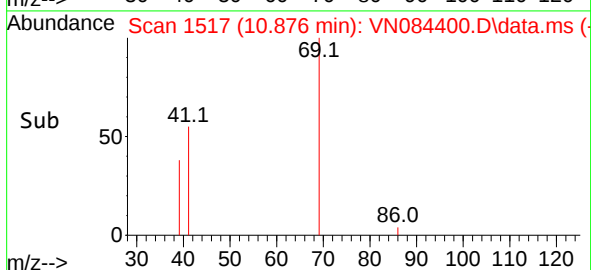
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#56
Ethyl methacrylate
Concen: 2.324 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



Tgt Ion: 69 Resp: 6607
Ion Ratio Lower Upper
69 100
41 61.8 53.3 79.9
39 30.4 28.8 43.2





#57

1,3-Dichloropropane

Concen: 2.812 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN084400.D

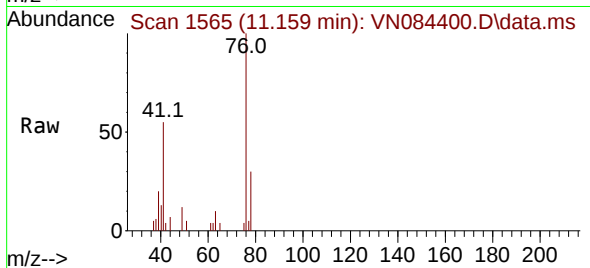
Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024



Tgt Ion: 76 Resp: 868

Ion Ratio Lower Upper

76 100

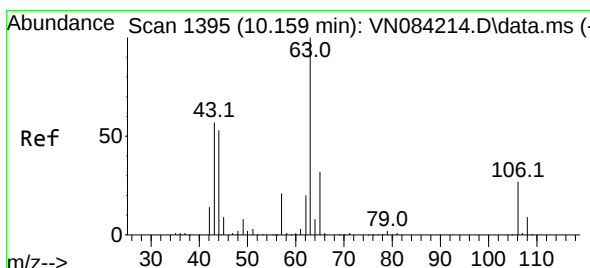
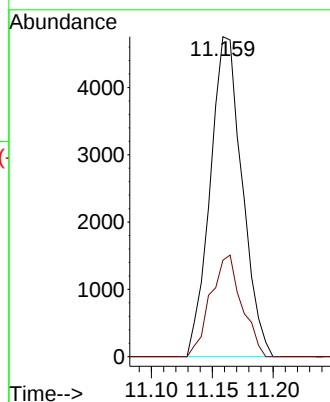
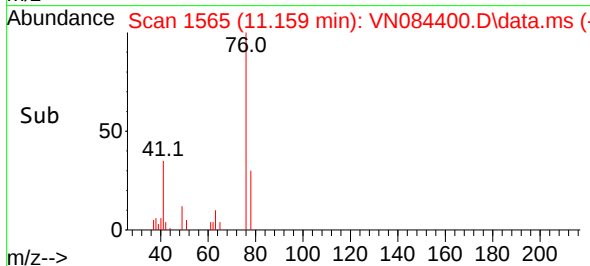
78 30.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#58

2-Chloroethyl Vinyl ether

Concen: 8.979 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN084400.D

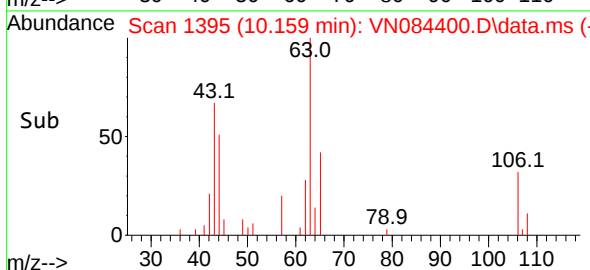
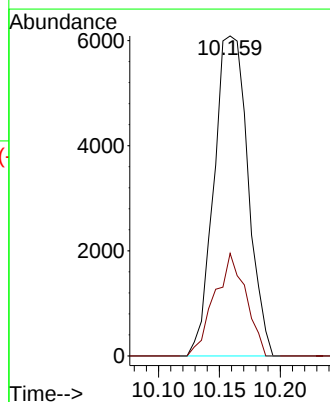
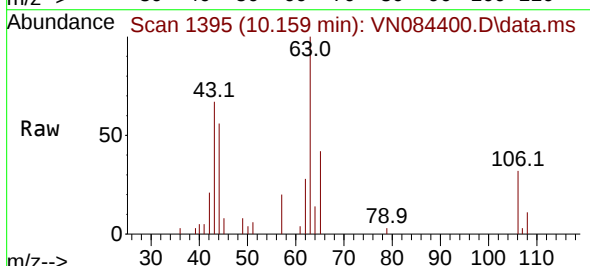
Acq: 11 Oct 2024 15:18

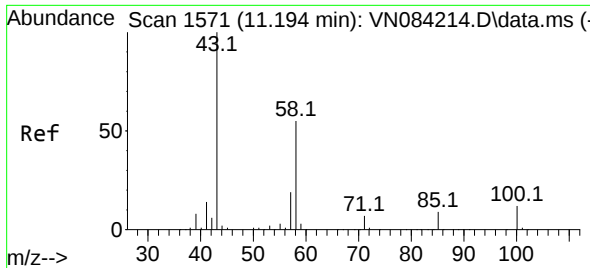
Tgt Ion: 63 Resp: 11843

Ion Ratio Lower Upper

63 100

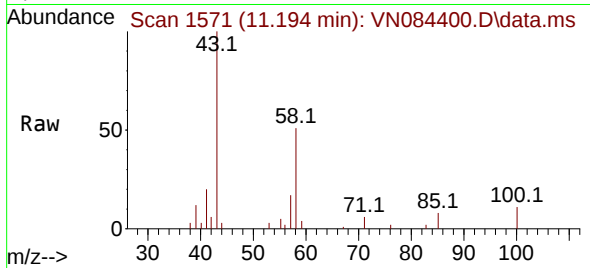
106 29.6 21.8 32.6





#59
2-Hexanone
Concen: 12.060 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

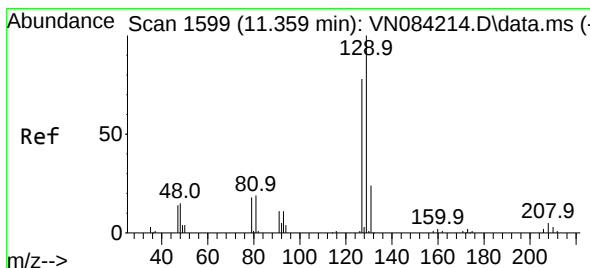
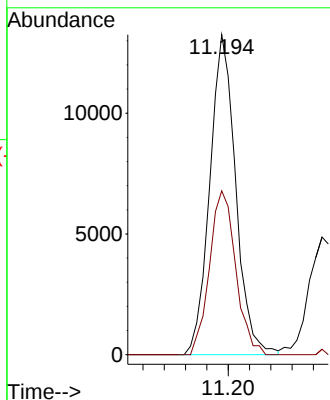
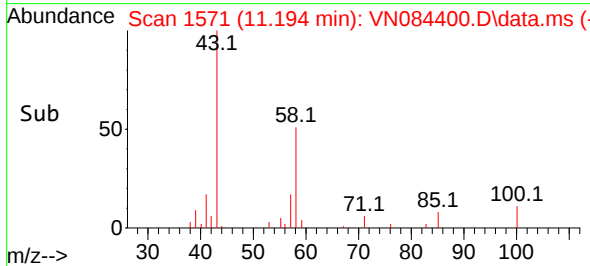
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 43 Resp: 22334
Ion Ratio Lower Upper
43 100
58 51.8 27.3 81.8

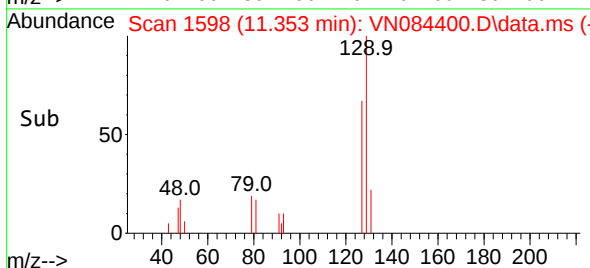
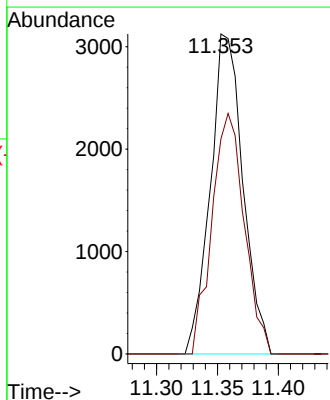
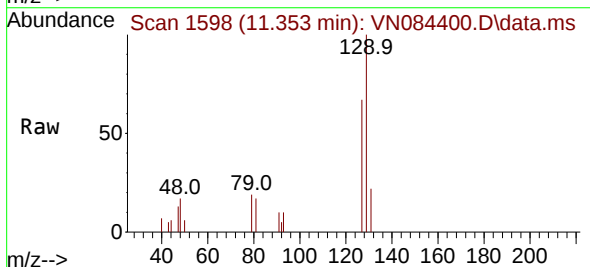
Manual Integrations
APPROVED

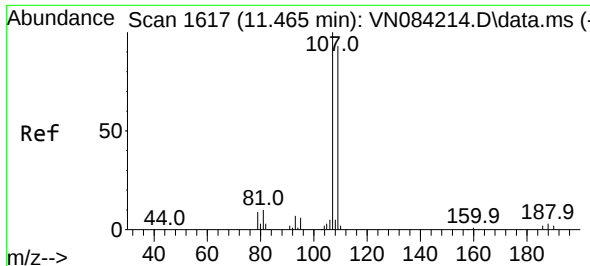
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#60
Dibromochloromethane
Concen: 2.858 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

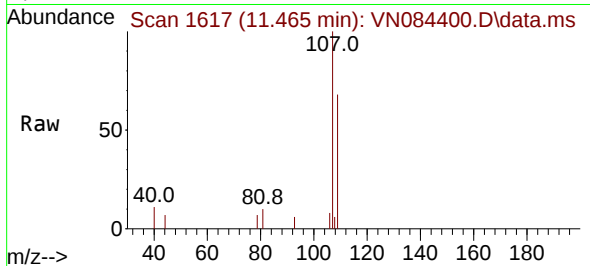
Tgt Ion:129 Resp: 5834
Ion Ratio Lower Upper
129 100
127 74.3 38.3 114.9





#61
1,2-Dibromoethane
Concen: 2.892 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

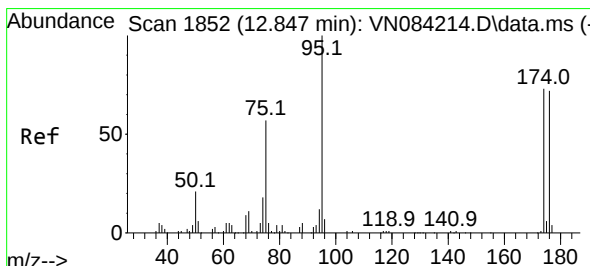
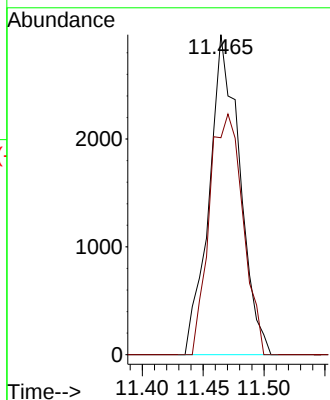
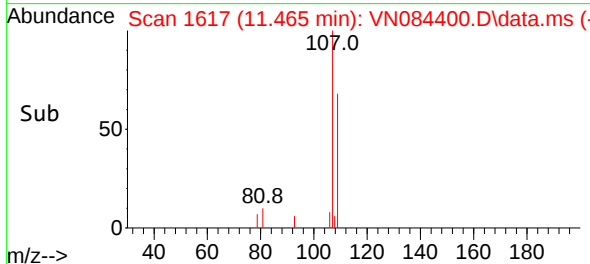
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



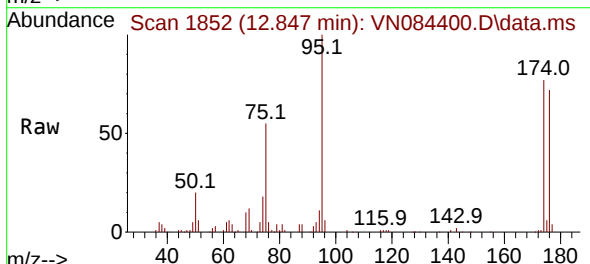
Tgt Ion:107 Resp: 519
Ion Ratio Lower Upper
107 100
109 82.5 75.4 113.0

Manual Integrations
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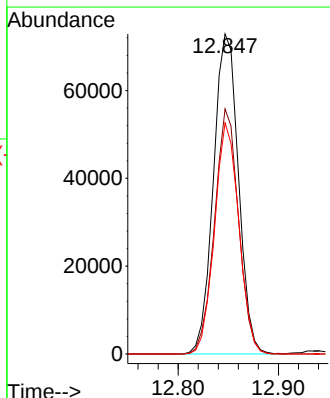
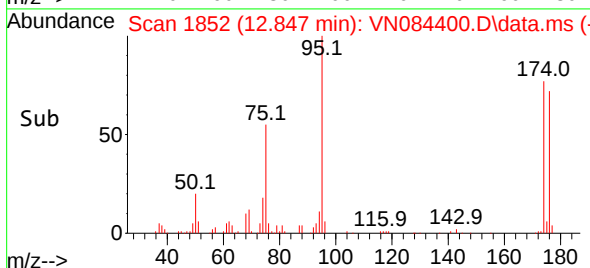
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#62
4-Bromofluorobenzene
Concen: 53.744 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



Tgt Ion: 95 Resp: 125814
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.2
176 70.3 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion:117 Resp: 23818

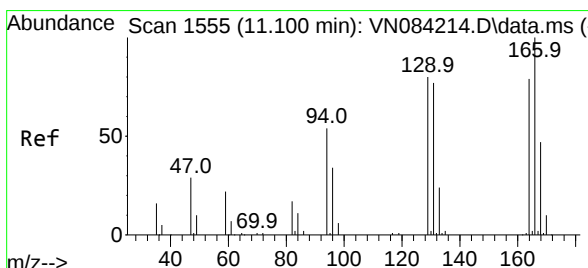
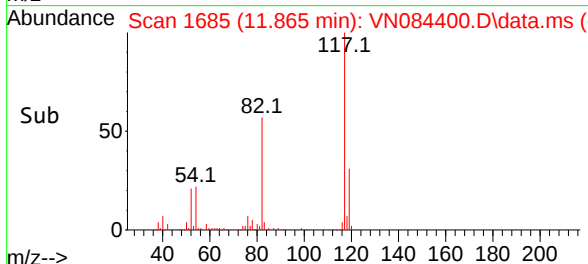
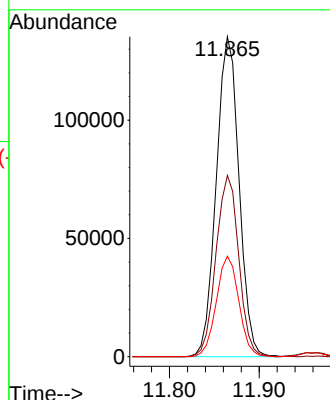
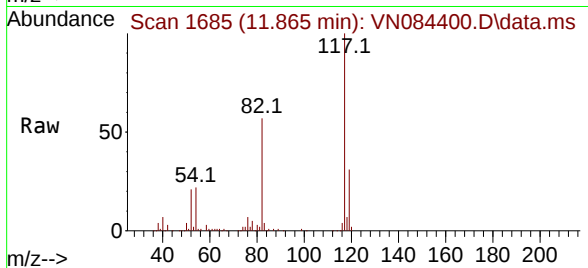
Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	31.4	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#64

Tetrachloroethene

Concen: 2.807 ug/l

RT: 11.106 min Scan# 1556

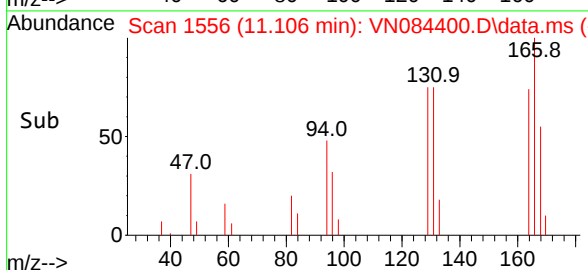
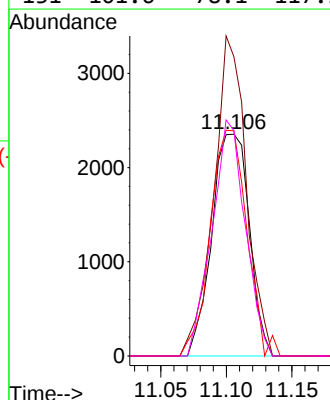
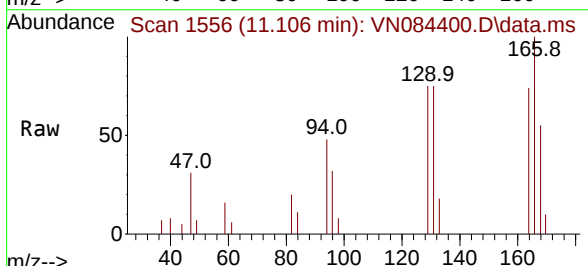
Delta R.T. 0.006 min

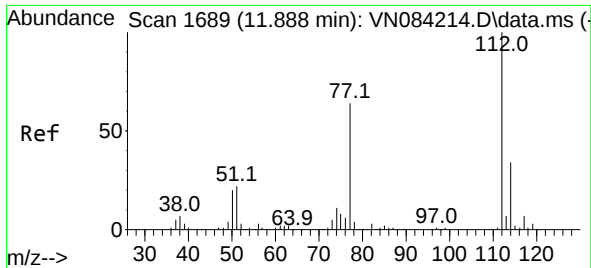
Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:164 Resp: 4656

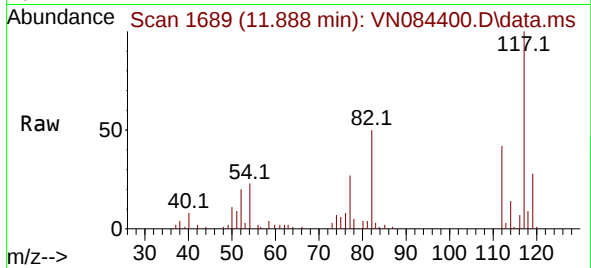
Ion	Ratio	Lower	Upper
164	100		
166	134.8	101.0	151.4
129	101.5	80.8	121.2
131	101.6	78.1	117.1





#65
Chlorobenzene
Concen: 2.631 ug/l
RT: 11.888 min Scan# 1189
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

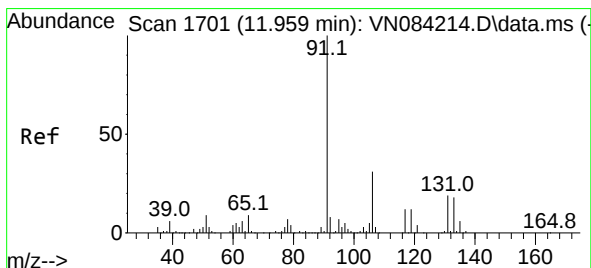
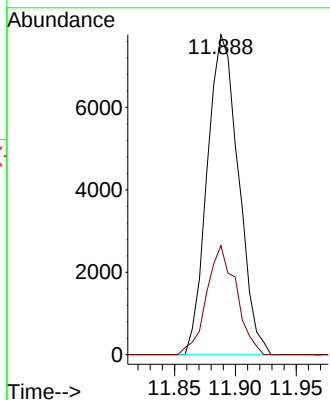
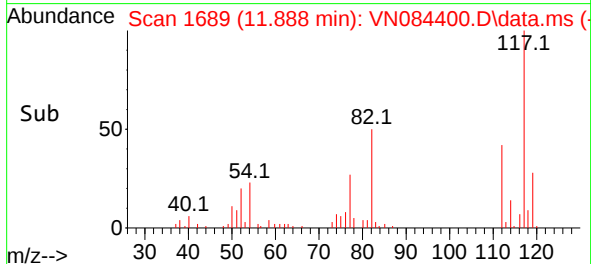
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



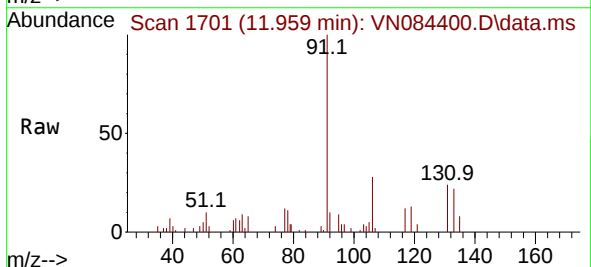
Tgt Ion:112 Resp: 13894
Ion Ratio Lower Upper
112 100
114 34.1 27.0 40.6

Manual Integrations
APPROVED

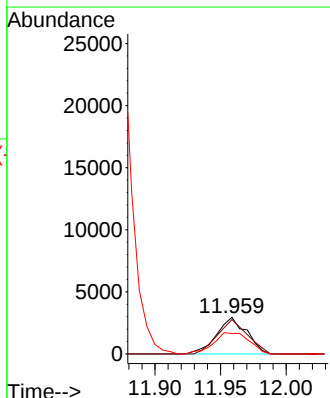
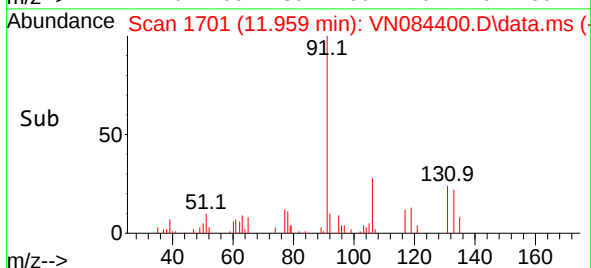
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024

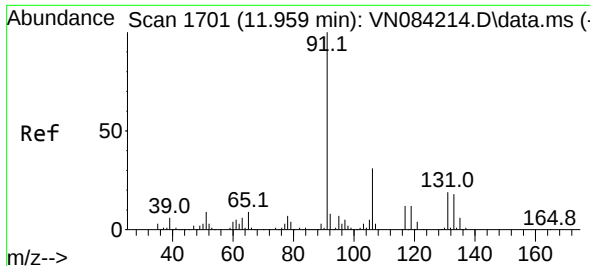


#66
1,1,1,2-Tetrachloroethane
Concen: 2.582 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



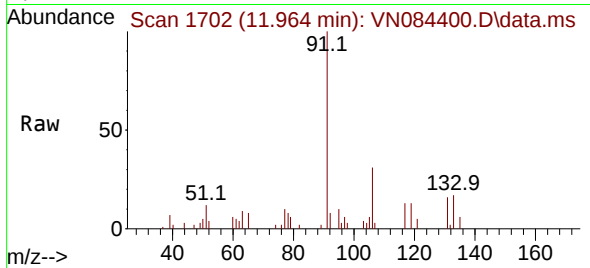
Tgt Ion:131 Resp: 4697
Ion Ratio Lower Upper
131 100
133 93.9 47.9 143.7
119 69.2 32.8 98.3





#67
Ethyl Benzene
Concen: 2.262 ug/l
RT: 11.964 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

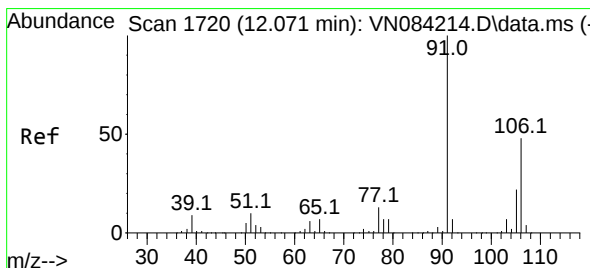
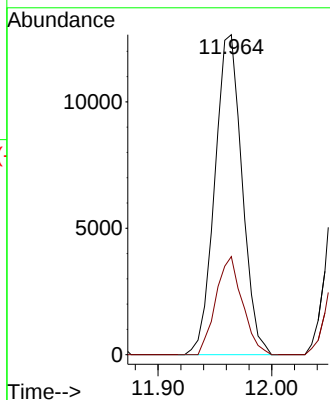
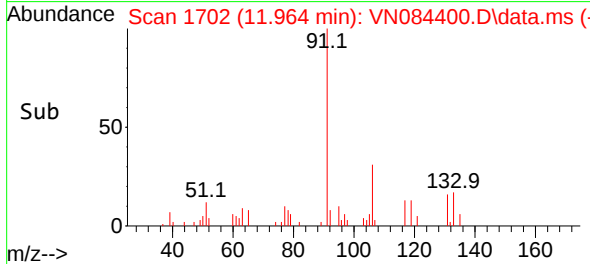
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 91 Resp: 21124
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

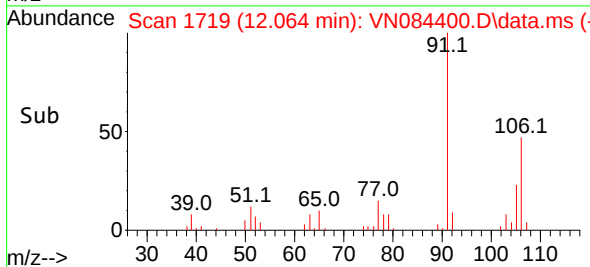
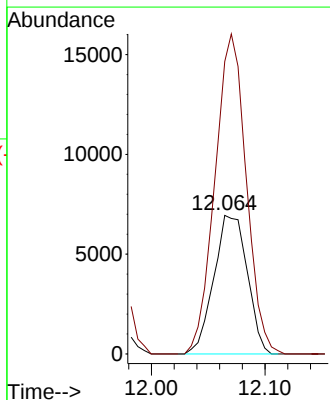
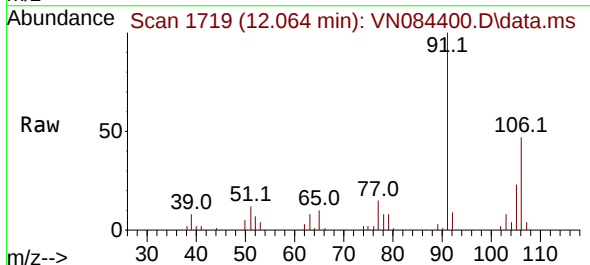
Manual Integrations
APPROVED

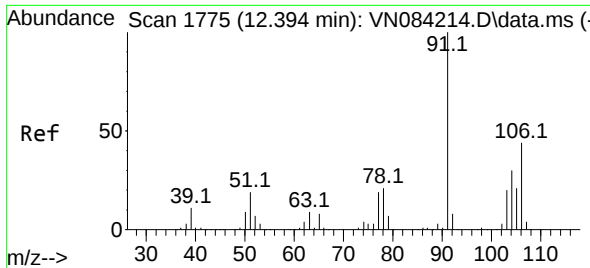
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#68
m/p-Xylenes
Concen: 4.107 ug/l
RT: 12.064 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion:106 Resp: 14187
Ion Ratio Lower Upper
106 100
91 216.3 167.1 250.7





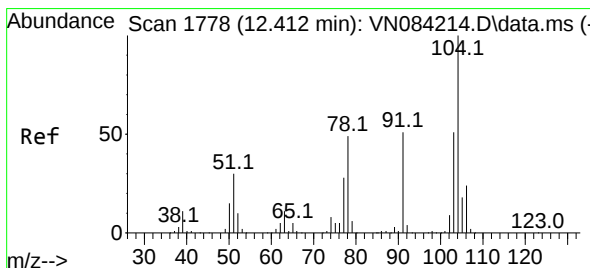
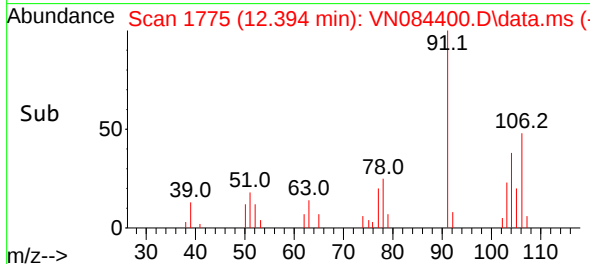
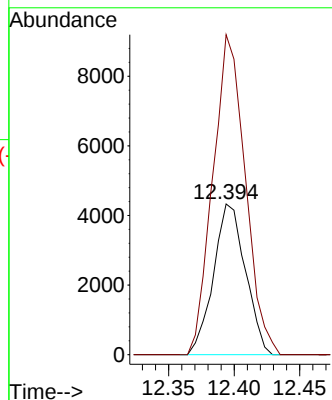
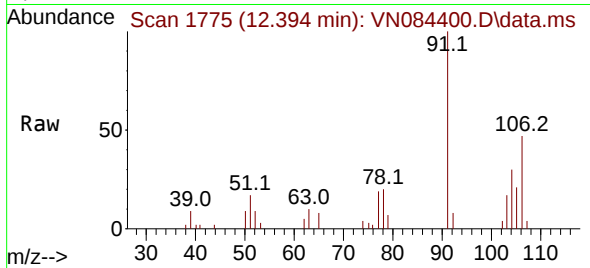
#69
o-Xylene
Concen: 2.245 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion:106 Resp: 7339
Ion Ratio Lower Upper
106 100
91 215.4 110.2 330.6

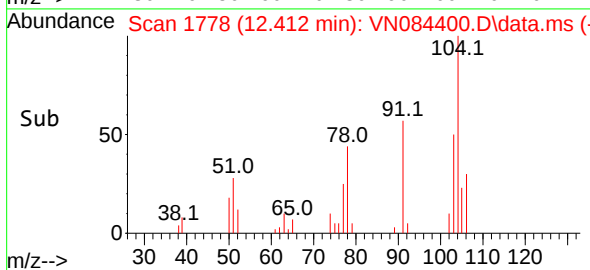
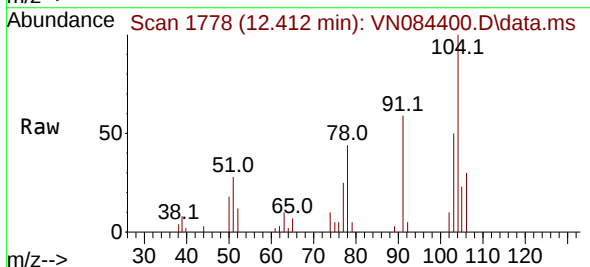
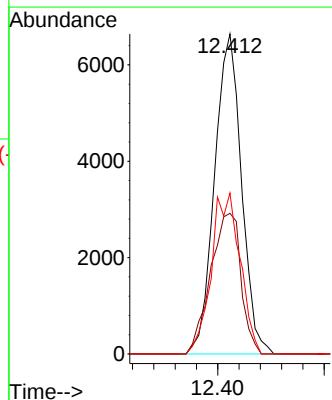
Manual Integrations
APPROVED

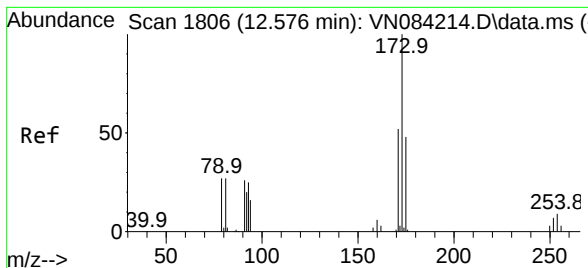
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#70
Styrene
Concen: 2.102 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Tgt Ion:104 Resp: 11638
Ion Ratio Lower Upper
104 100
78 49.7 42.7 64.1
103 53.7 43.6 65.4





#71

Bromoform

Concen: 2.806 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

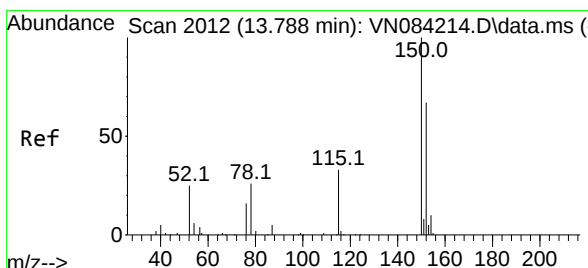
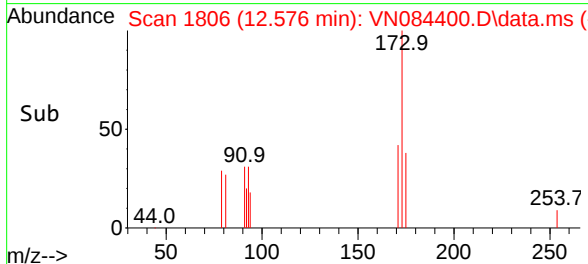
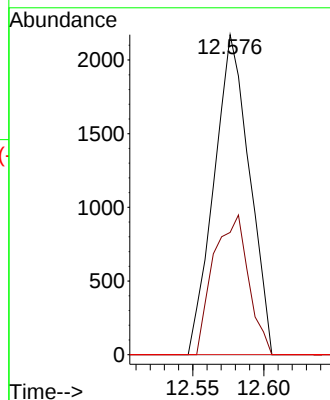
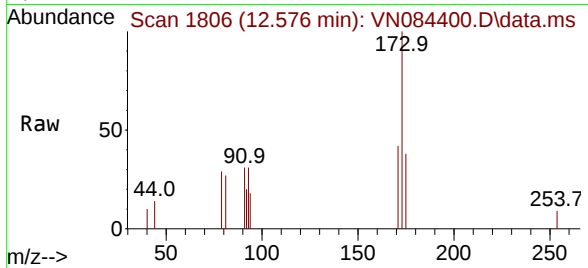
Tgt Ion:	173	Resp:	3758
Ion Ratio	Lower	Upper	
173	100		
175	43.2	23.5	70.6
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

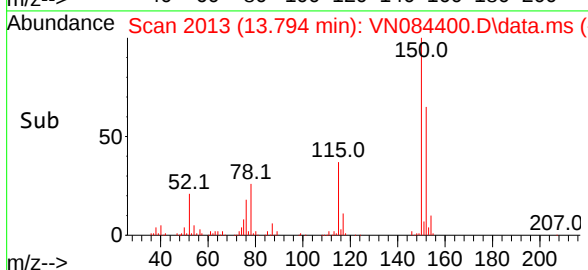
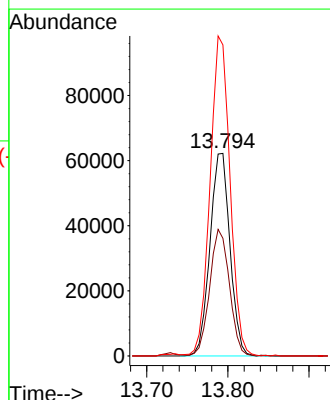
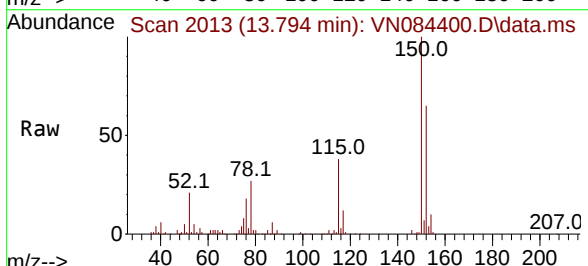
RT: 13.794 min Scan# 2013

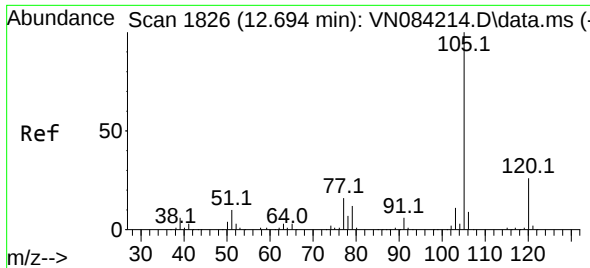
Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

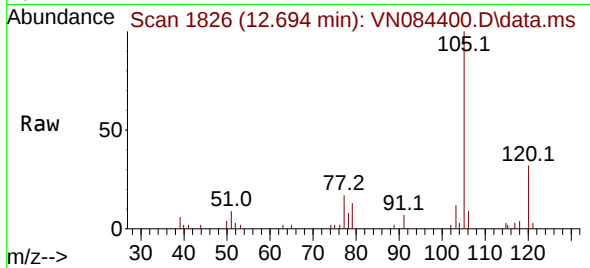
Tgt Ion:	152	Resp:	106439
Ion Ratio	Lower	Upper	
152	100		
115	61.5	31.3	93.9
150	157.6	0.0	349.8





#73
Isopropylbenzene
Concen: 2.040 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

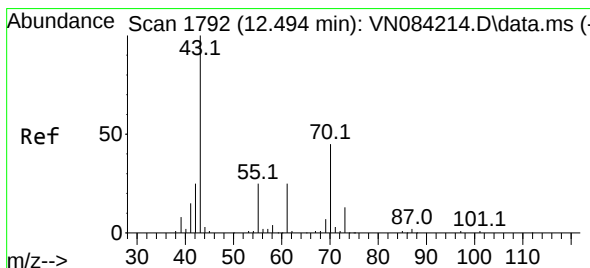
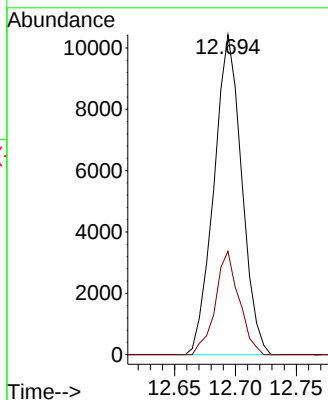
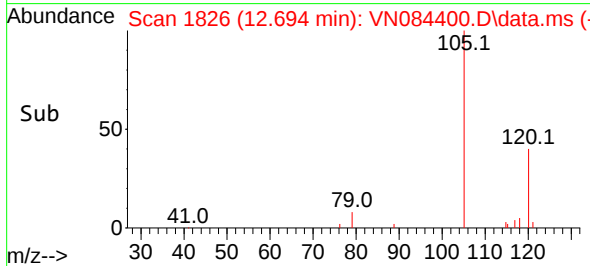
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



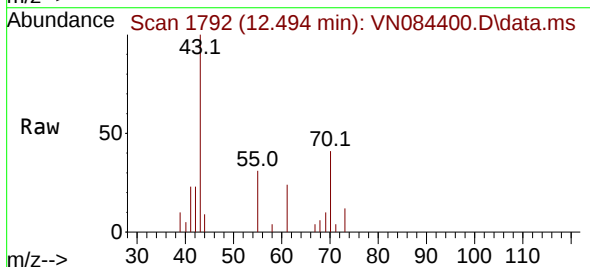
Tgt Ion: 105 Resp: 16572
Ion Ratio Lower Upper
105 100
120 27.7 12.9 38.7

Manual Integrations
APPROVED

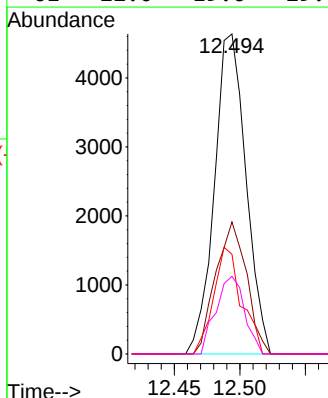
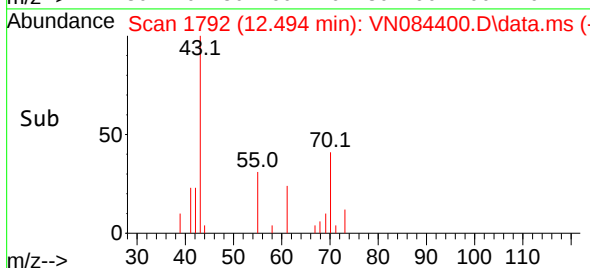
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024

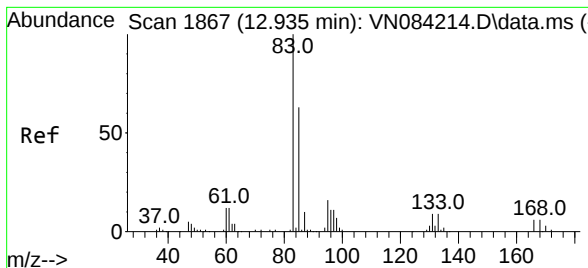


#74
N-ethyl acetate
Concen: 2.107 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



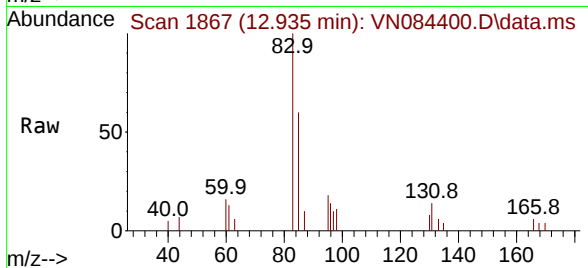
Tgt Ion: 43 Resp: 7751
Ion Ratio Lower Upper
43 100
70 40.4 34.4 51.6
55 29.5 19.6 29.4#
61 22.0 19.6 29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 2.654 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

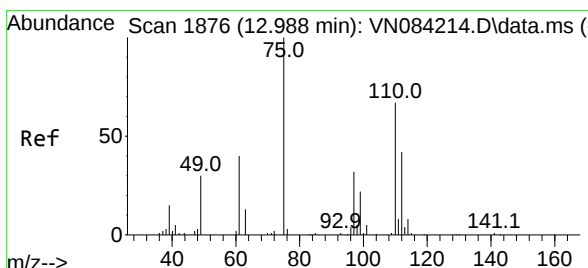
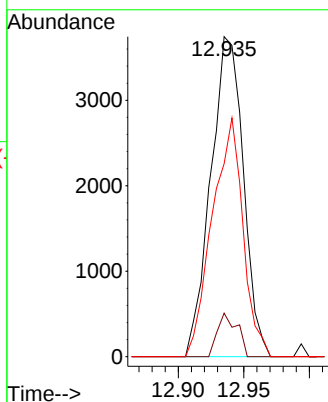
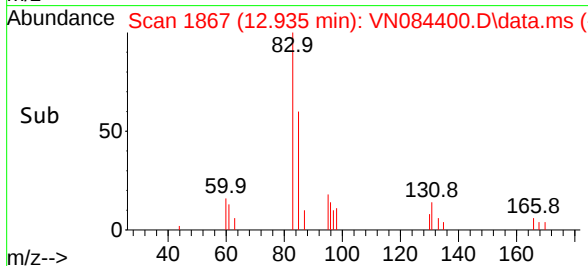
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 83 Resp: 648
Ion Ratio Lower Upper
83 100
131 8.2 4.9 14.7
85 70.0 31.9 95.7

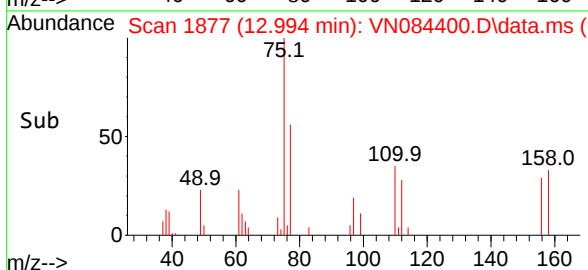
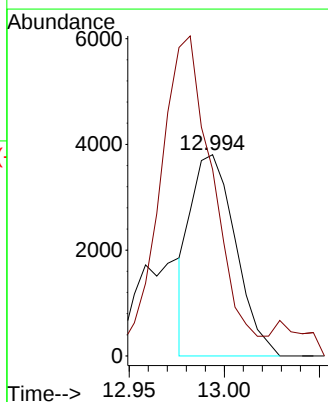
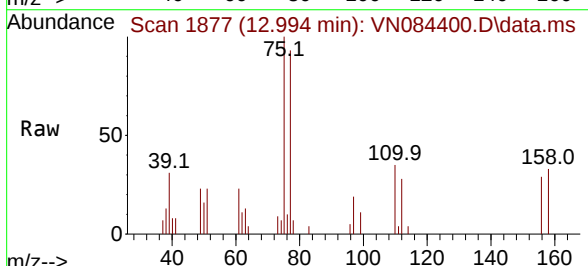
Manual Integrations
APPROVED

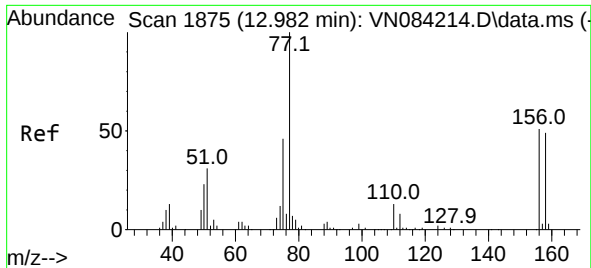
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#76
1,2,3-Trichloropropane
Concen: 2.860 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

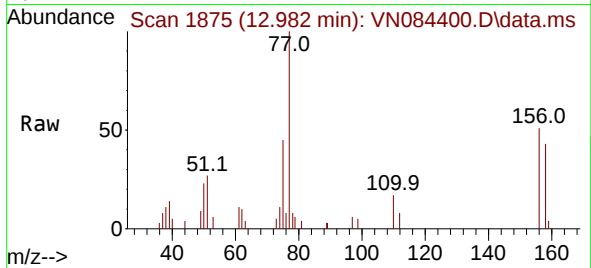
Tgt Ion: 75 Resp: 6214
Ion Ratio Lower Upper
75 100
77 189.3 96.9 290.7





#77
Bromobenzene
Concen: 2.643 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

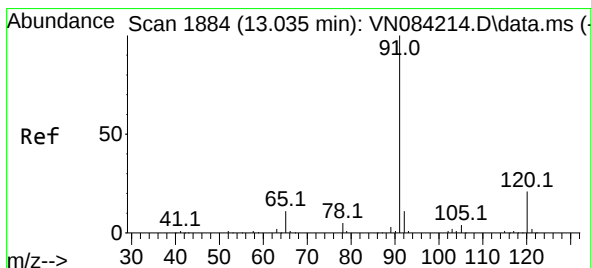
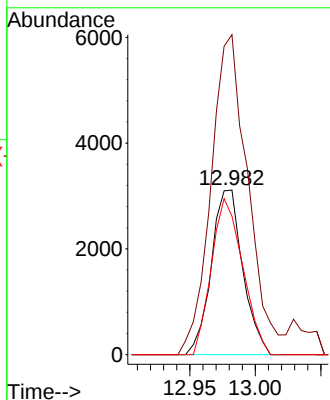
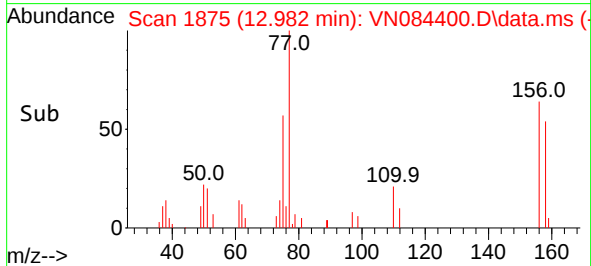
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



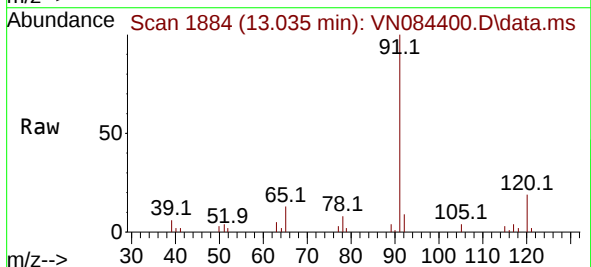
Tgt Ion:156 Resp: 5179
Ion Ratio Lower Upper
156 100
77 227.1 115.1 345.3
158 94.8 48.9 146.8

Manual Integrations
APPROVED

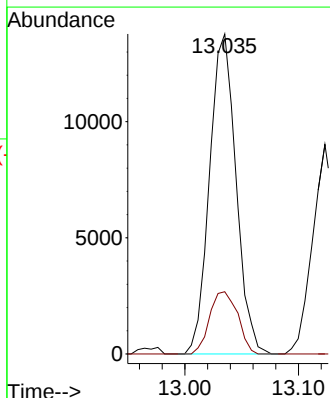
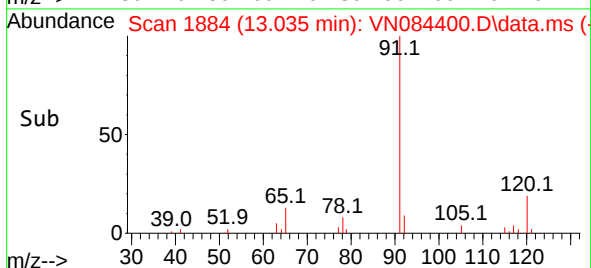
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024

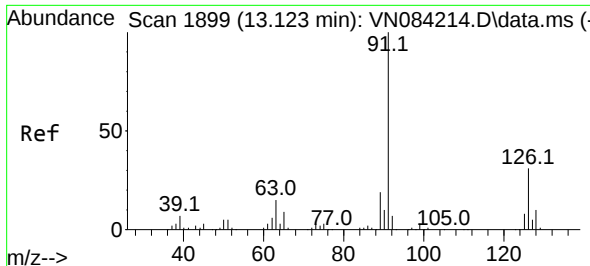


#78
n-propylbenzene
Concen: 2.374 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



Tgt Ion: 91 Resp: 22337
Ion Ratio Lower Upper
91 100
120 20.6 10.8 32.4





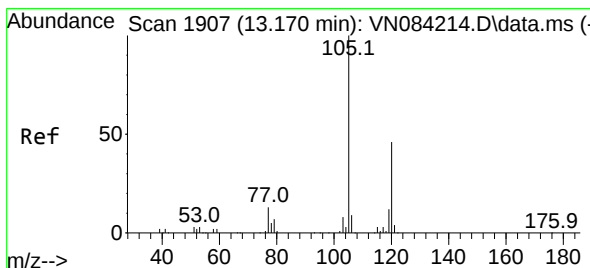
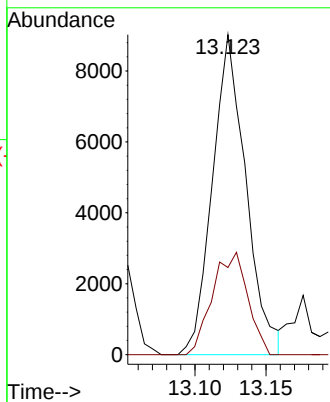
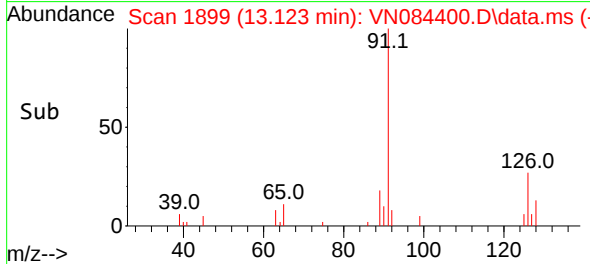
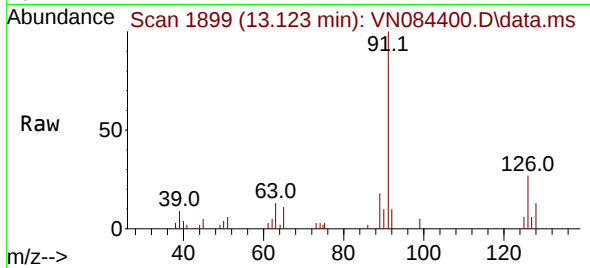
#79
2-Chlorotoluene
Concen: 2.465 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 1480
Ion Ratio Lower Upper
91 100
126 33.7 15.7 47.1

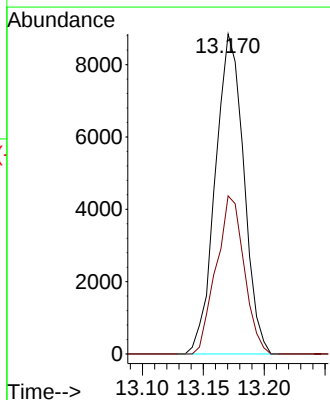
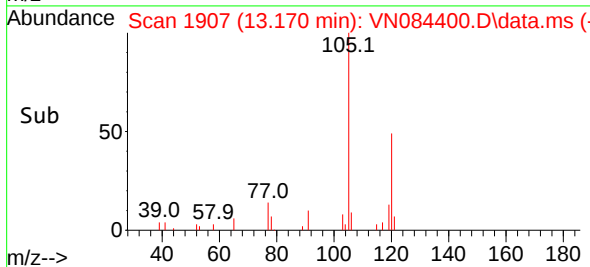
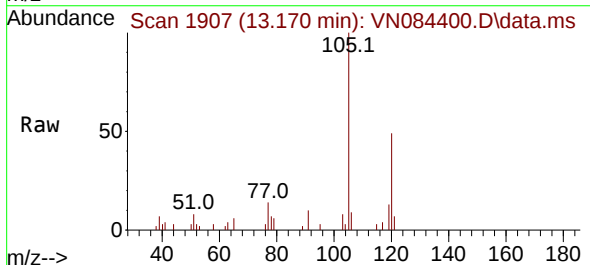
Manual Integrations
APPROVED

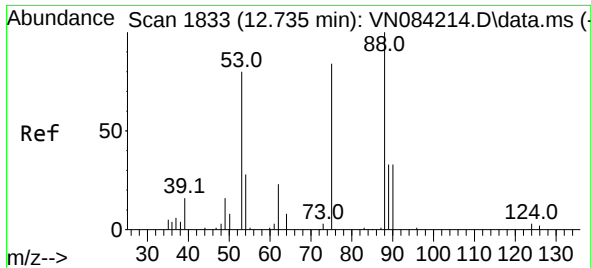
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#80
1,3,5-Trimethylbenzene
Concen: 2.172 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

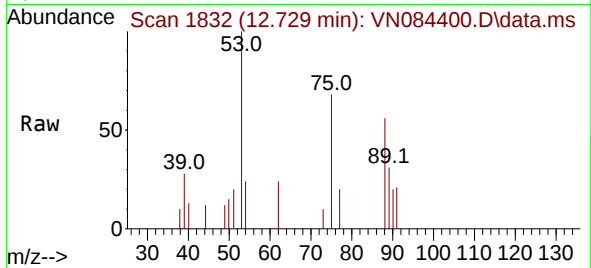
Tgt Ion:105 Resp: 14391
Ion Ratio Lower Upper
105 100
120 48.5 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 2.233 ug/l m
RT: 12.729 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

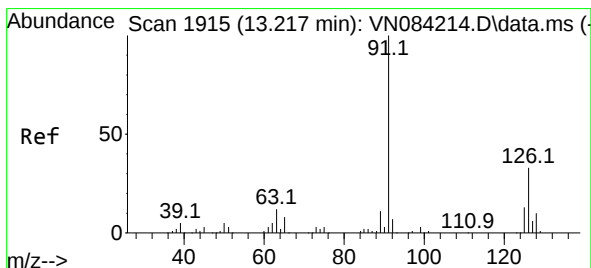
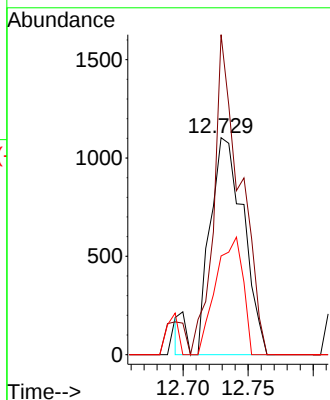
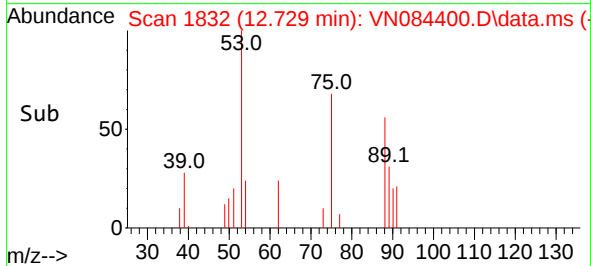
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 75 Resp: 2024
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0
89 0.0 35.5 53.3

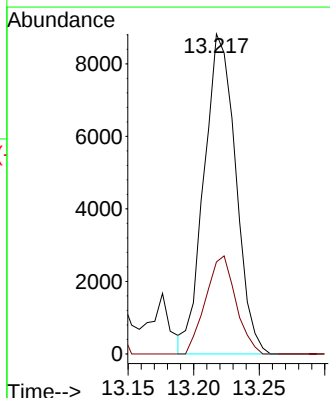
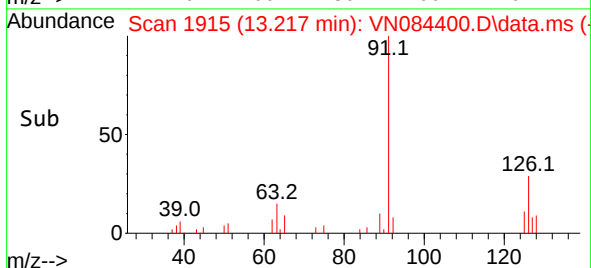
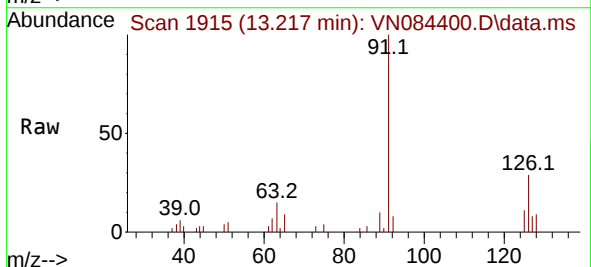
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024



#82
4-Chlorotoluene
Concen: 2.450 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

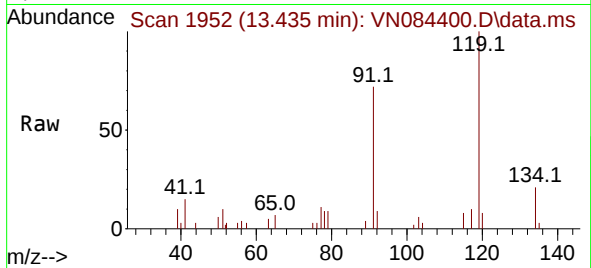
Tgt Ion: 91 Resp: 14808
Ion Ratio Lower Upper
91 100
126 29.2 15.7 47.1





#83
tert-Butylbenzene
Concen: 2.060 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18

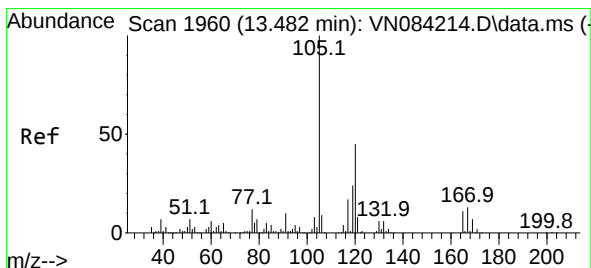
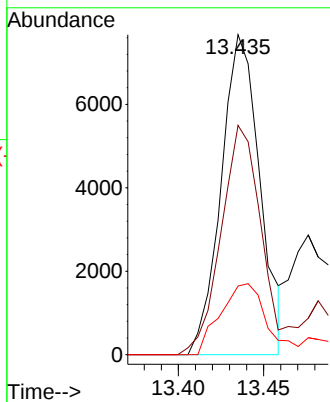
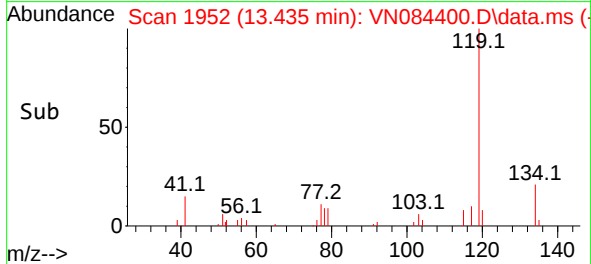
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



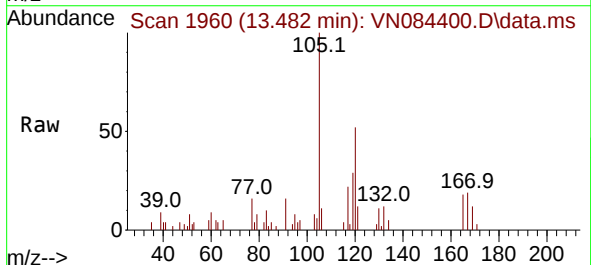
Tgt Ion:119 Resp: 12128
Ion Ratio Lower Upper
119 100
91 76.2 34.1 102.3
134 26.4 12.8 38.4

Manual Integrations
APPROVED

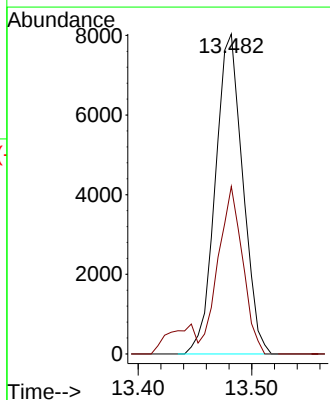
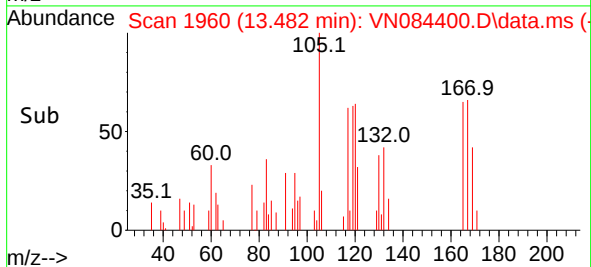
Reviewed By :John Carlone 10/14/2024
Supervised By :Mahesh Dadoda 10/14/2024

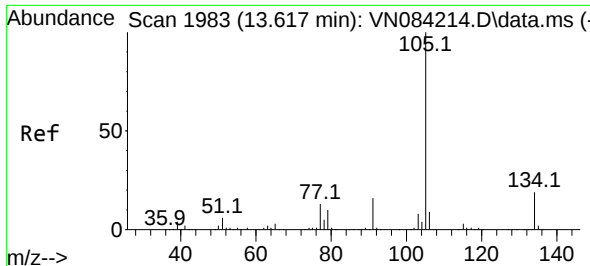


#84
1,2,4-Trimethylbenzene
Concen: 2.018 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084400.D
Acq: 11 Oct 2024 15:18



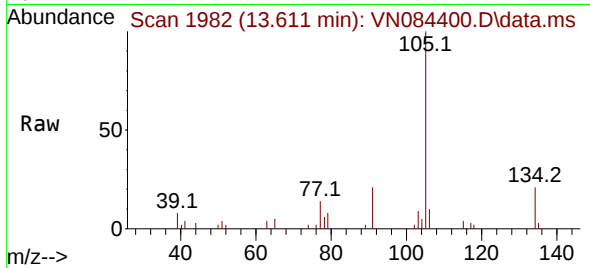
Tgt Ion:105 Resp: 13467
Ion Ratio Lower Upper
105 100
120 46.9 22.3 66.8





#85
 sec-Butylbenzene
 Concen: 2.154 ug/l
 RT: 13.611 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN084400.D
 Acq: 11 Oct 2024 15:18

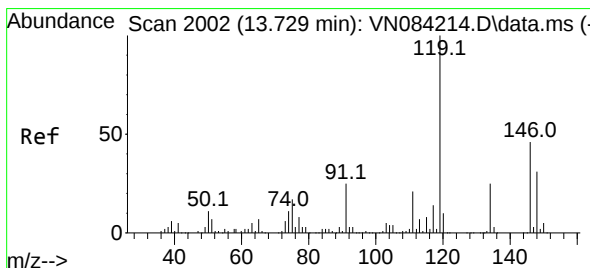
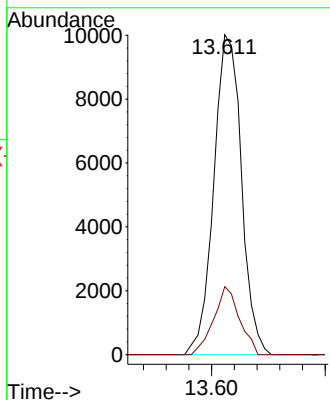
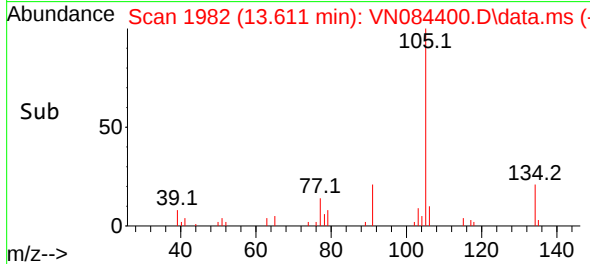
Instrument : MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024



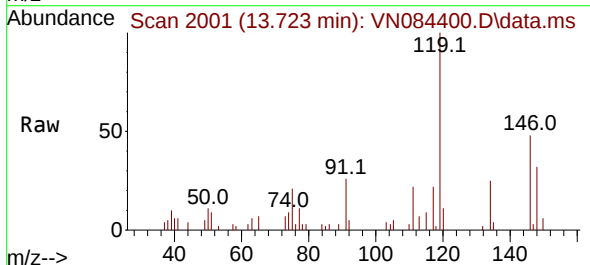
Tgt Ion:105 Resp: 16928
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4

Manual Integrations
 APPROVED

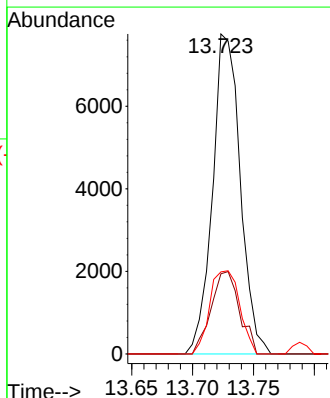
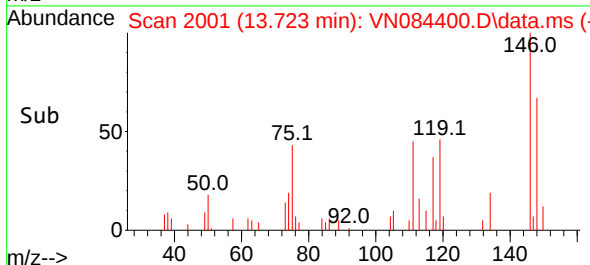
Reviewed By :John Carlone 10/14/2024
 Supervised By :Mahesh Dadoda 10/14/2024

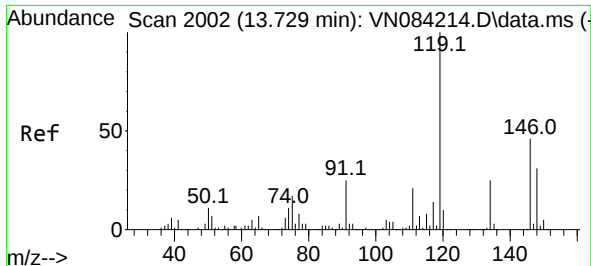


#86
 p-Isopropyltoluene
 Concen: 1.889 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN084400.D
 Acq: 11 Oct 2024 15:18



Tgt Ion:119 Resp: 12272
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.6 37.8
 91 28.0 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 2.359 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN084400.D

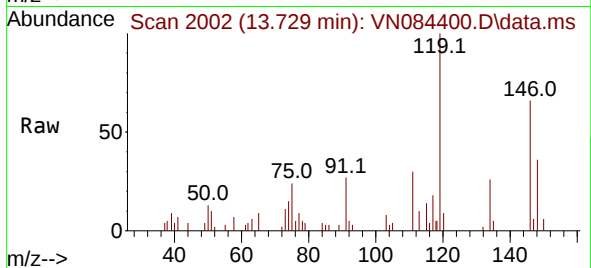
Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024



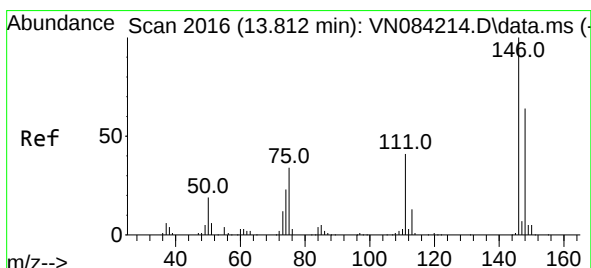
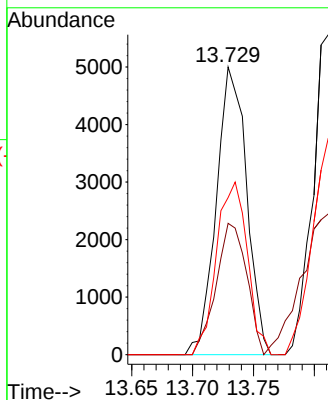
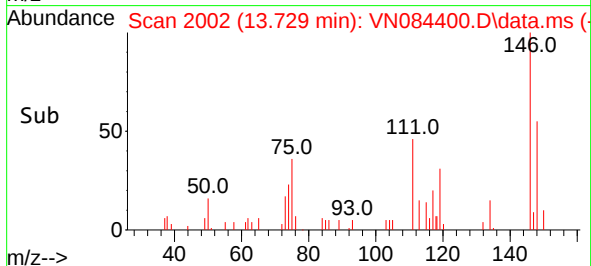
Tgt Ion:	146	Resp:	867
Ion Ratio	Lower	Upper	
146	100		
111	45.9	21.8	65.3
148	61.2	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#88

1,4-Dichlorobenzene

Concen: 2.562 ug/l

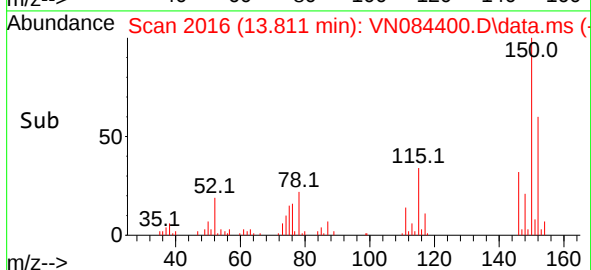
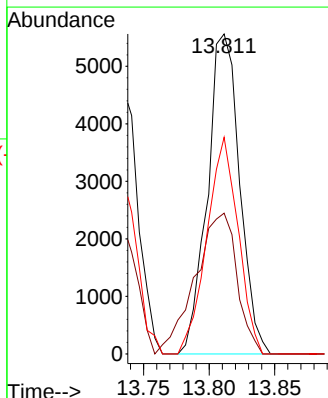
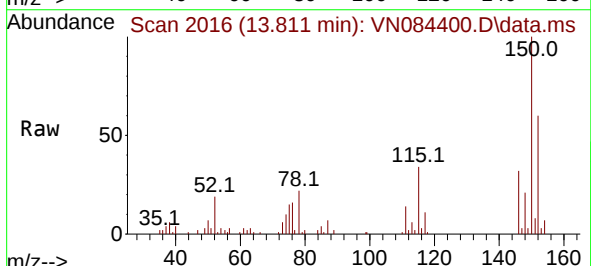
RT: 13.811 min Scan# 2016

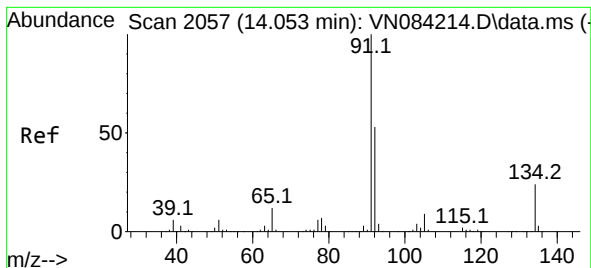
Delta R.T. -0.000 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:	146	Resp:	9509
Ion Ratio	Lower	Upper	
146	100		
111	56.9	21.2	63.6
148	65.8	31.9	95.9





#89

n-Butylbenzene

Concen: 2.011 ug/l

RT: 14.058 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 1184

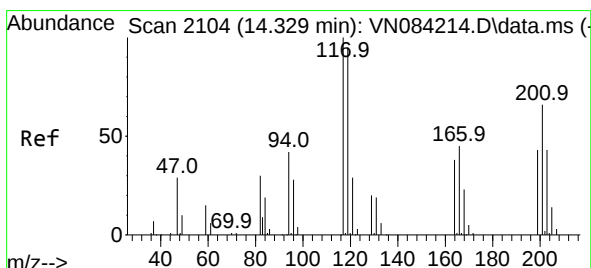
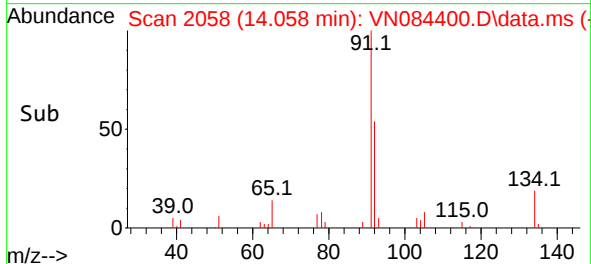
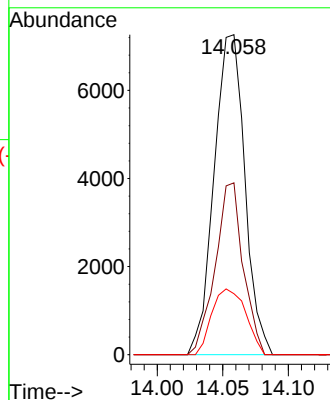
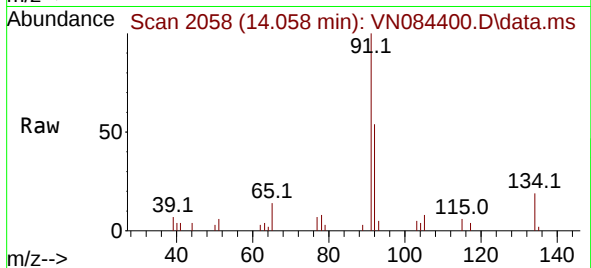
Ion	Ratio	Lower	Upper
91	100		
92	48.9	26.6	79.7
134	22.6	12.3	36.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#90

Hexachloroethane

Concen: 2.307 ug/l

RT: 14.335 min Scan# 2105

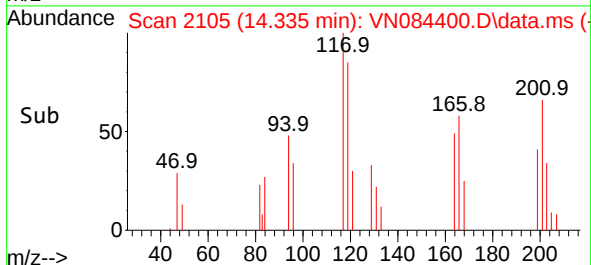
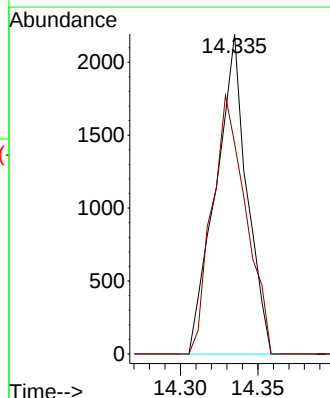
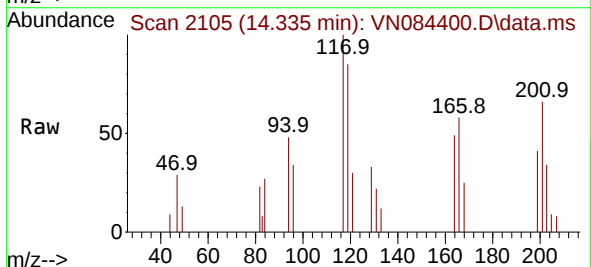
Delta R.T. 0.006 min

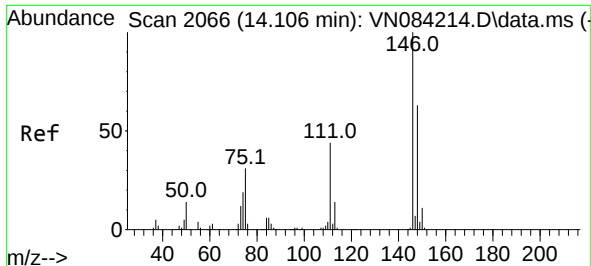
Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:117 Resp: 3043

Ion	Ratio	Lower	Upper
117	100		
201	88.0	34.4	103.2





#91

1,2-Dichlorobenzene

Concen: 2.488 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

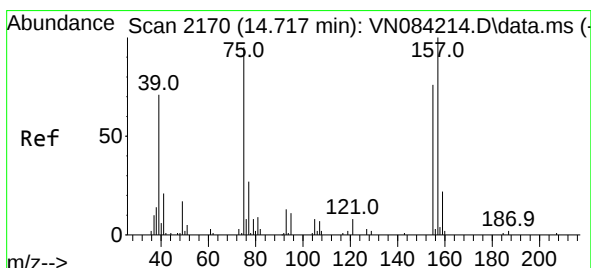
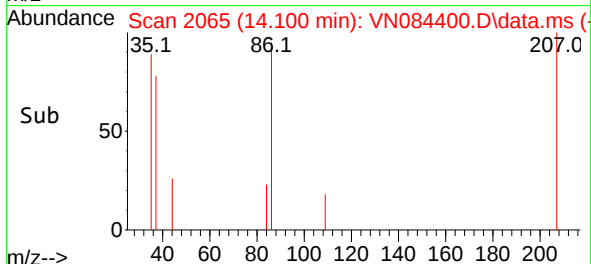
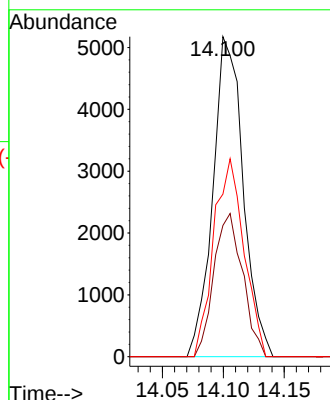
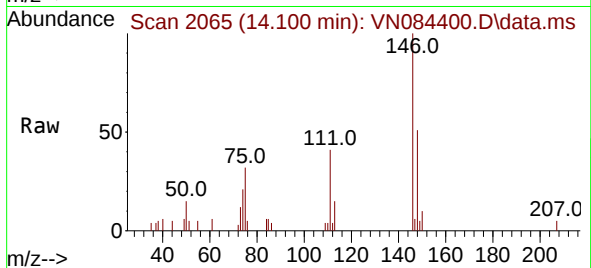
Tgt Ion:	146	Resp:	896
Ion Ratio	Lower	Upper	
146	100		
111	42.4	22.0	66.0
148	61.7	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.687 ug/l

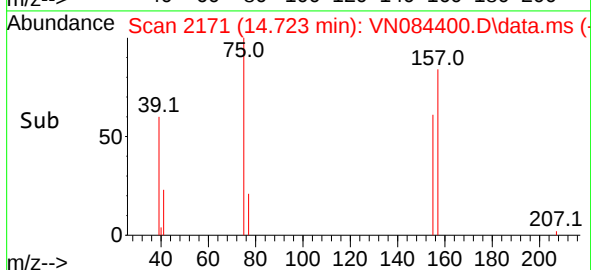
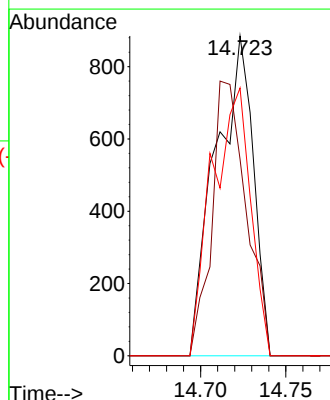
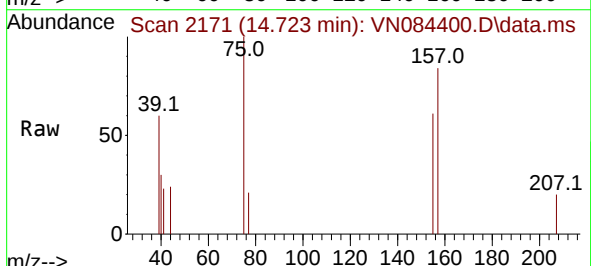
RT: 14.723 min Scan# 2171

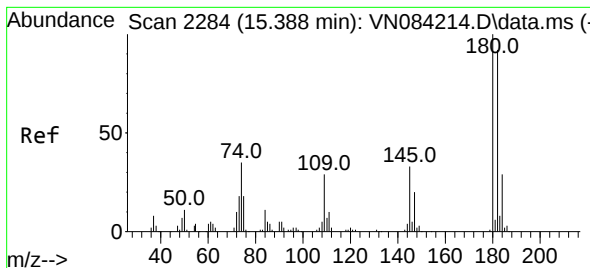
Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:	75	Resp:	1354
Ion Ratio	Lower	Upper	
75	100		
155	78.7	38.1	114.5
157	85.7	49.6	149.0





#93

1,2,4-Trichlorobenzene

Concen: 1.821 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

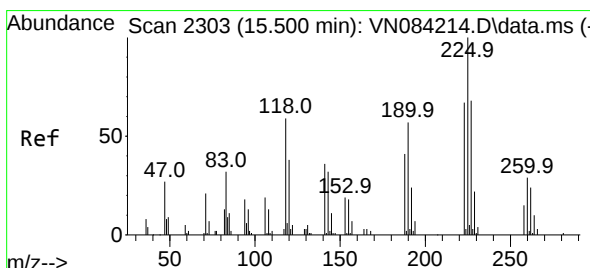
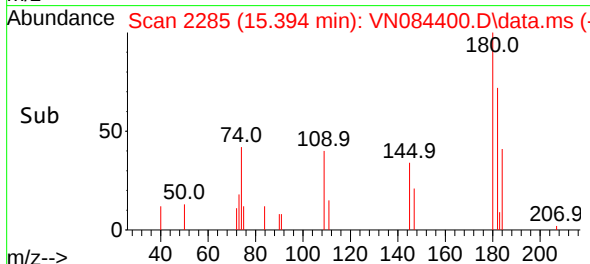
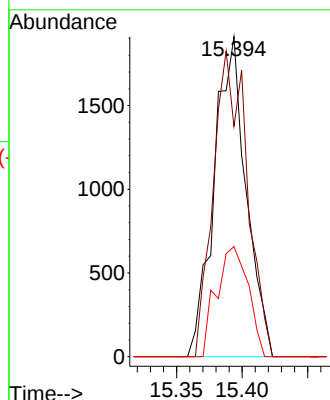
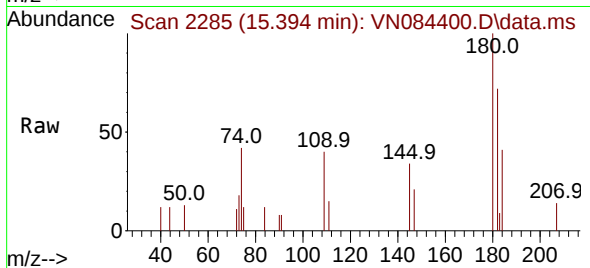
Tgt Ion:	180	Resp:	323
Ion Ratio	Lower	Upper	
180	100		
182	100.7	47.0	141.0
145	34.2	16.4	49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#94

Hexachlorobutadiene

Concen: 2.110 ug/l

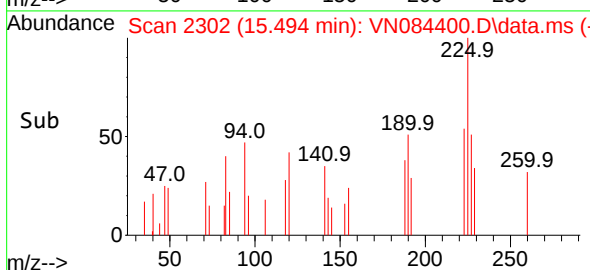
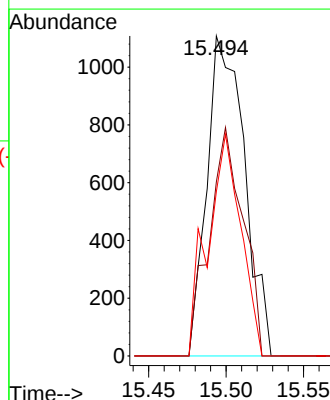
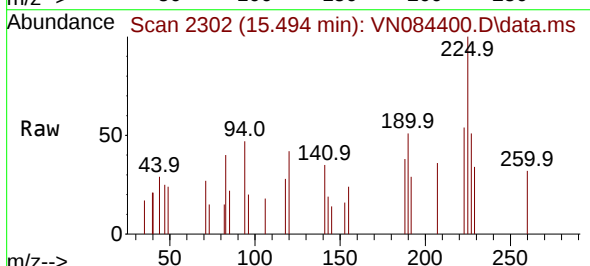
RT: 15.494 min Scan# 2302

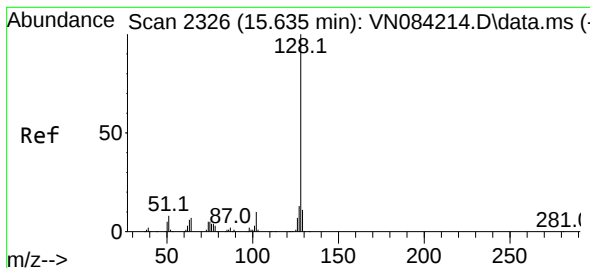
Delta R.T. -0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:	225	Resp:	1868
Ion Ratio	Lower	Upper	
225	100		
223	64.7	32.4	97.2
227	61.1	32.4	97.0





#95

Naphthalene

Concen: 1.620 ug/l

RT: 15.641 min Scan# 2326

Delta R.T. 0.006 min

Lab File: VN084400.D

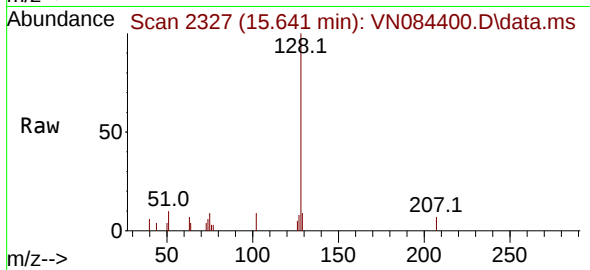
Acq: 11 Oct 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024



Tgt Ion:128 Resp: 953

Ion Ratio Lower Upper

128 100

127 11.2 10.5 15.7

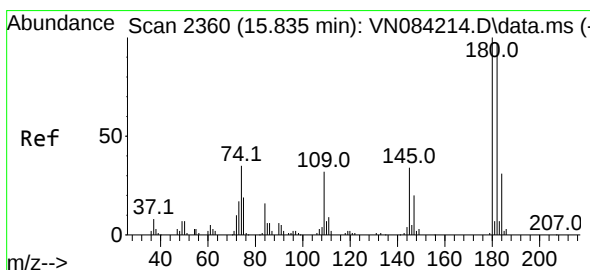
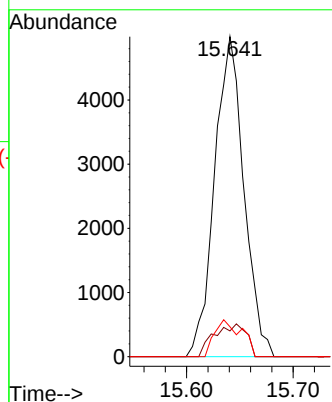
129 10.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2024

Supervised By :Mahesh Dadoda 10/14/2024



#96

1,2,3-Trichlorobenzene

Concen: 1.874 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN084400.D

Acq: 11 Oct 2024 15:18

Tgt Ion:180 Resp: 3330

Ion Ratio Lower Upper

180 100

182 87.4 48.2 144.6

145 34.8 17.3 51.9

