

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079858.D
 Acq On : 03 Nov 2023 18:51
 Operator : JC\MD
 Sample : 04699-09 0.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Nov 04 03:50:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 04 03:49:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	249078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	460238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	411057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	150713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	240762	63.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.900%#			
35) Dibromofluoromethane	8.171	113	183011	56.184	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.360%			
50) Toluene-d8	10.570	98	611509	50.995	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.980%			
62) 4-Bromofluorobenzene	12.853	95	179011	45.011	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1816	0.605	ug/l	75
3) Chloromethane	2.359	50	2987	0.717	ug/l #	83
4) Vinyl Chloride	2.512	62	3405	0.867	ug/l	90
5) Bromomethane	2.947	94	2409	1.010	ug/l	97
6) Chloroethane	3.106	64	2748m	0.886	ug/l	
7) Trichlorofluoromethane	3.494	101	4632	0.948	ug/l	88
8) Diethyl Ether	3.971	74	877m	0.473	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.365	101	1540m	0.544	ug/l	
10) Methyl Iodide	4.606	142	1491	0.461	ug/l #	90
11) Tert butyl alcohol	5.530	59	2575m	5.316	ug/l	
12) 1,1-Dichloroethene	4.347	96	1298	0.484	ug/l	93
13) Acrolein	4.171	56	992	2.503	ug/l #	16
14) Allyl chloride	5.036	41	2320	0.565	ug/l #	71
15) Acrylonitrile	5.730	53	4127	2.734	ug/l	88
16) Acetone	4.430	43	4498m	3.374	ug/l	
17) Carbon Disulfide	4.712	76	4887	0.632	ug/l #	79
18) Methyl Acetate	5.036	43	4176	0.655	ug/l #	76
19) Methyl tert-butyl Ether	5.806	73	4344	0.471	ug/l #	64
20) Methylene Chloride	5.283	84	2525	0.751	ug/l #	67
21) trans-1,2-Dichloroethene	5.800	96	1699	0.568	ug/l	89
22) Diisopropyl ether	6.688	45	4528	0.476	ug/l #	86
23) Vinyl Acetate	6.606	43	11706	2.230	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	3570	0.617	ug/l #	81
25) 2-Butanone	7.500	43	5577	2.857	ug/l #	72
26) 2,2-Dichloropropane	7.500	77	2303	0.481	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	1936	0.541	ug/l	82
28) Bromochloromethane	7.818	49	1829	0.649	ug/l #	46
29) Tetrahydrofuran	7.853	42	3049	2.401	ug/l #	60
30) Chloroform	7.971	83	4387	0.698	ug/l	85
31) Cyclohexane	8.224	56	8723	1.740	ug/l #	49
32) 1,1,1-Trichloroethane	8.165	97	3191	0.623	ug/l #	44
36) 1,1-Dichloropropene	8.376	75	2543m	0.547	ug/l	
37) Ethyl Acetate	7.577	43	2530	0.593	ug/l #	63
38) Carbon Tetrachloride	8.359	117	2732	0.583	ug/l #	87
39) Methylcyclohexane	9.606	83	1872	0.428	ug/l #	86
40) Benzene	8.612	78	7735	0.555	ug/l	92

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Manual Integrations APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1019m	0.450	ug/l	
42) 1,2-Dichloroethane	8.676	62	3474	0.714	ug/l	84
43) Isopropyl Acetate	8.694	43	3802	0.508	ug/l #	86
44) Trichloroethene	9.353	130	1784	0.516	ug/l	81
45) 1,2-Dichloropropane	9.623	63	2018	0.567	ug/l	96
46) Dibromomethane	9.718	93	1544	0.635	ug/l #	87
47) Bromodichloromethane	9.894	83	3058	0.590	ug/l #	77
48) Methyl methacrylate	9.688	41	1698	0.518	ug/l #	67
49) 1,4-Dioxane	9.706	88	513	8.861	ug/l #	70
51) 4-Methyl-2-Pentanone	10.453	43	9968	2.367	ug/l #	79
52) Toluene	10.629	92	4170	0.505	ug/l	89
53) t-1,3-Dichloropropene	10.841	75	2430	0.478	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	2632	0.475	ug/l #	91
55) 1,1,2-Trichloroethane	11.023	97	2005	0.604	ug/l #	78
56) Ethyl methacrylate	10.882	69	1814	0.383	ug/l #	76
57) 1,3-Dichloropropane	11.176	76	2950	0.504	ug/l	89
58) 2-Chloroethyl Vinyl ether	10.165	63	4996	2.080	ug/l #	80
59) 2-Hexanone	11.206	43	6593	2.046	ug/l	77
60) Dibromochloromethane	11.365	129	1957	0.550	ug/l	92
61) 1,2-Dibromoethane	11.476	107	1609	0.483	ug/l	94
64) Tetrachloroethene	11.106	164	1987	0.746	ug/l #	75
65) Chlorobenzene	11.894	112	4539	0.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	1972	0.614	ug/l #	63
67) Ethyl Benzene	11.964	91	6990	0.450	ug/l	93
68) m/p-Xylenes	12.076	106	4695	0.811	ug/l	99
69) o-Xylene	12.406	106	2308	0.414	ug/l	98
70) Styrene	12.417	104	2994	0.334	ug/l #	79
71) Bromoform	12.576	173	1064	0.466	ug/l #	93
73) Isopropylbenzene	12.700	105	5347	0.467	ug/l	96
74) N-amyl acetate	12.500	43	1912	0.383	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.935	83	2947	0.727	ug/l	87
76) 1,2,3-Trichloropropane	12.994	75	2687m	0.759	ug/l	
77) Bromobenzene	12.982	156	2133	0.762	ug/l	86
78) n-propylbenzene	13.041	91	6003	0.458	ug/l	96
79) 2-Chlorotoluene	13.129	91	4106	0.491	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	4271	0.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	627m	0.482	ug/l	
82) 4-Chlorotoluene	13.229	91	3881	0.467	ug/l	97
83) tert-Butylbenzene	13.441	119	2939	0.403	ug/l	72
84) 1,2,4-Trimethylbenzene	13.482	105	3270	0.373	ug/l	98
85) sec-Butylbenzene	13.629	105	3660	0.363	ug/l	95
86) p-Isopropyltoluene	13.729	119	2957	0.359	ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	2852	0.547	ug/l	93
88) 1,4-Dichlorobenzene	13.811	146	3148m	0.595	ug/l	
89) n-Butylbenzene	14.064	91	3036	0.428	ug/l	96
90) Hexachloroethane	14.329	117	1083	0.665	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	2593	0.527	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.735	75	368m	0.535	ug/l	
93) 1,2,4-Trichlorobenzene	15.394	180	1106	0.473	ug/l	95
94) Hexachlorobutadiene	15.494	225	539	0.508	ug/l #	58
95) Naphthalene	15.652	128	2513m	0.317	ug/l	
96) 1,2,3-Trichlorobenzene	15.829	180	1113m	0.486	ug/l	

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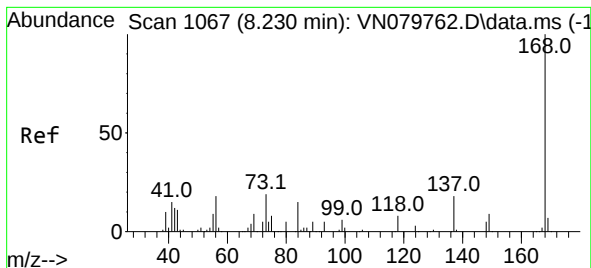
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 11/06/2023

Quant Time: Nov 04 03:50:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 04 03:49:20 2023
Response via : Initial Calibration

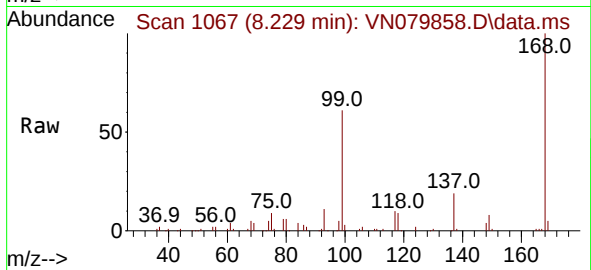
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079858.D
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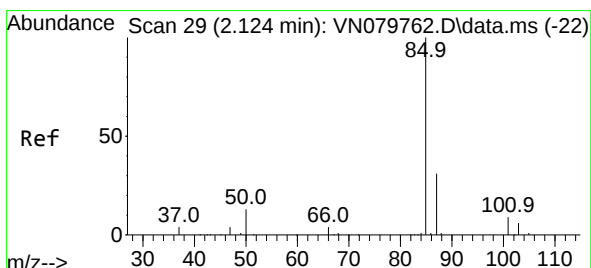
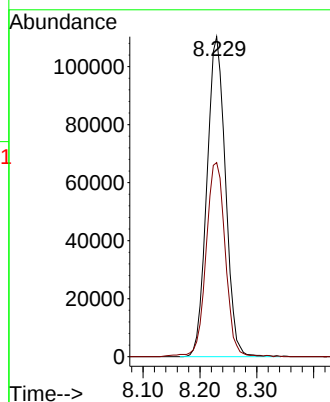
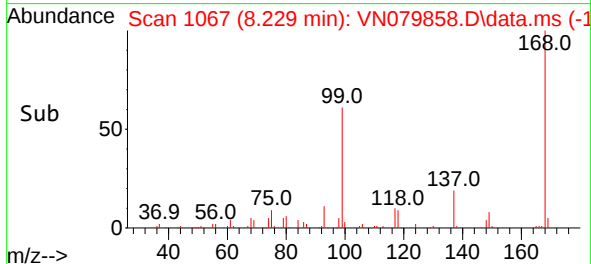
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:168 Resp: 249078
Ion Ratio Lower Upper
168 100
99 60.5 53.0 79.6

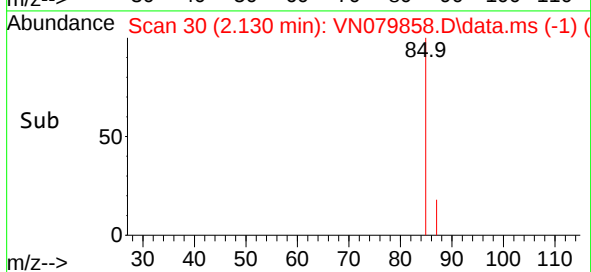
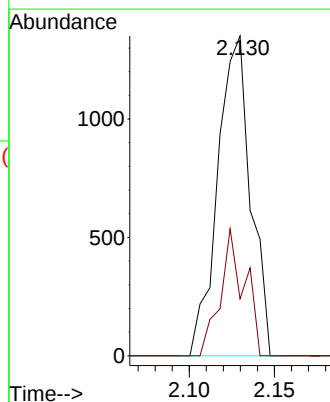
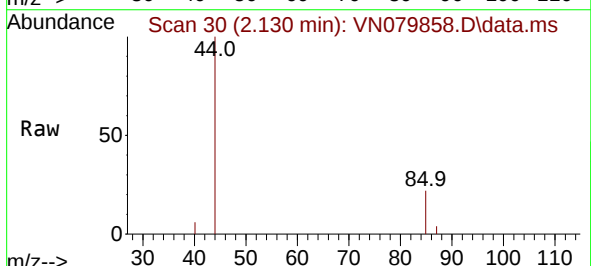
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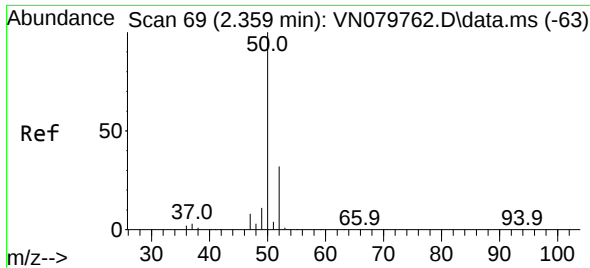
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#2
Dichlorodifluoromethane
Concen: 0.605 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

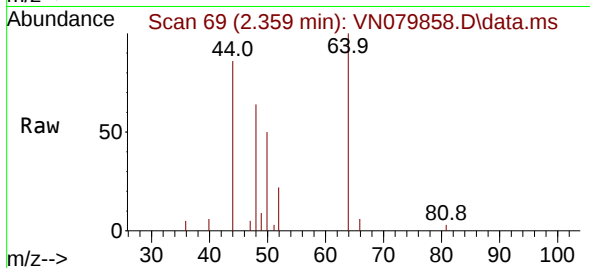
Tgt Ion: 85 Resp: 1816
Ion Ratio Lower Upper
85 100
87 17.8 15.8 47.4





#3
Chloromethane
Concen: 0.717 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

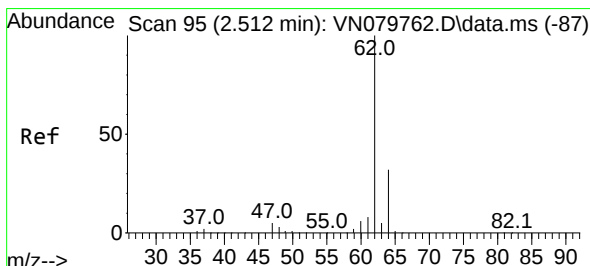
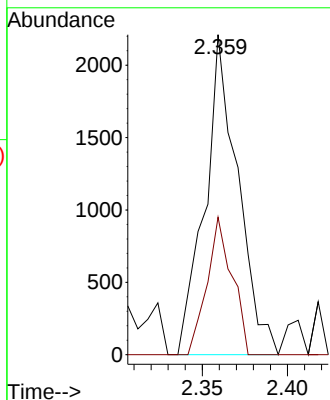
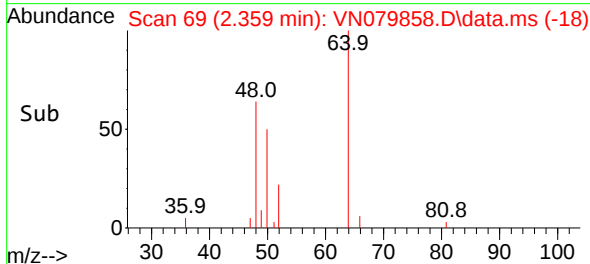
Instrument :
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MDL-WATER-03-QT4-2023



Tgt Ion: 50 Resp: 298
Ion Ratio Lower Upper
50 100
52 43.0 26.5 39.7

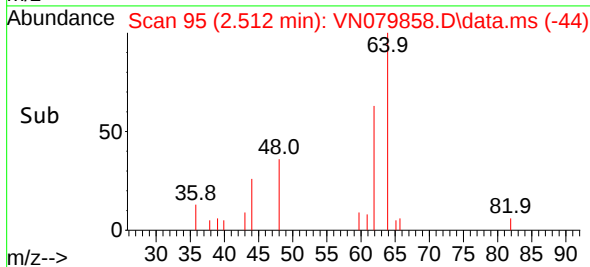
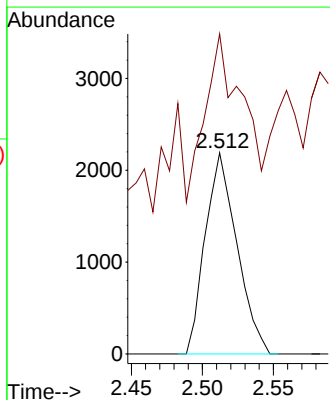
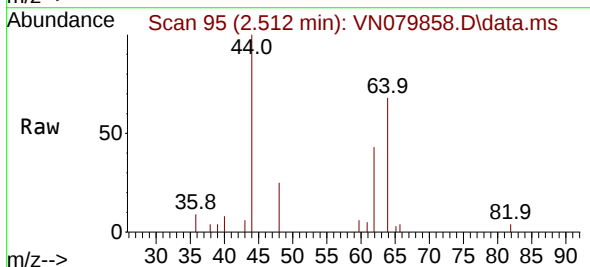
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#4
Vinyl Chloride
Concen: 0.867 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

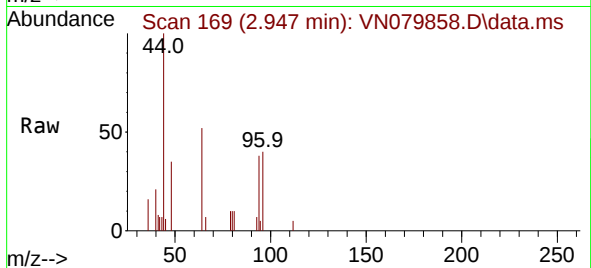
Tgt Ion: 62 Resp: 3405
Ion Ratio Lower Upper
62 100
64 38.2 26.2 39.2





#5
Bromomethane
Concen: 1.010 ug/l
RT: 2.947 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

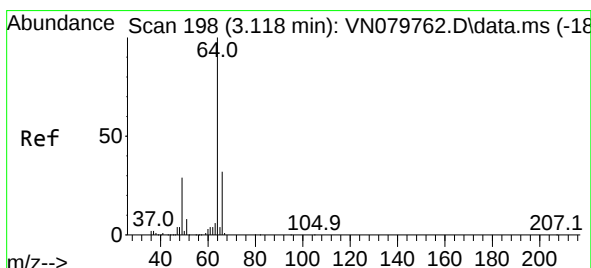
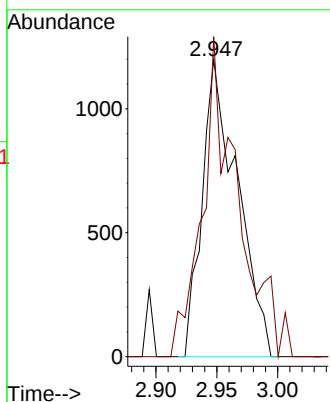
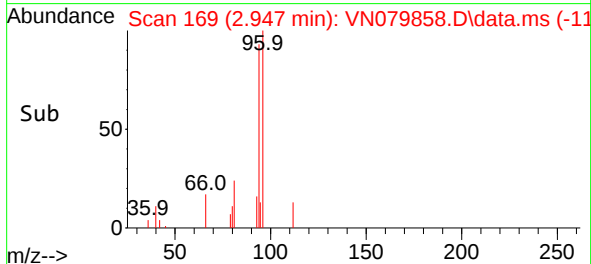
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 94 Resp: 2409
Ion Ratio Lower Upper
94 100
96 94.1 73.1 109.7

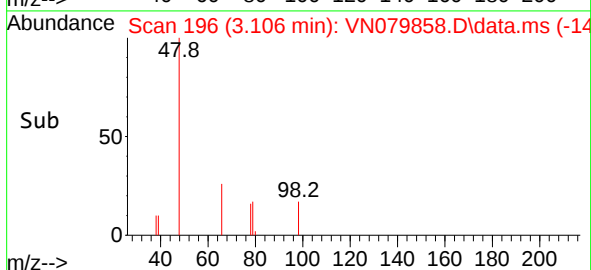
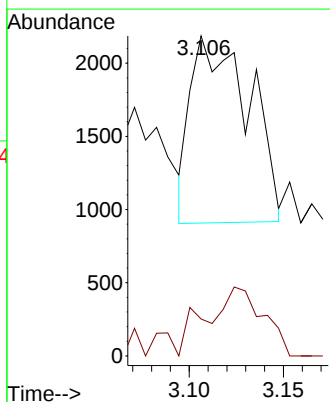
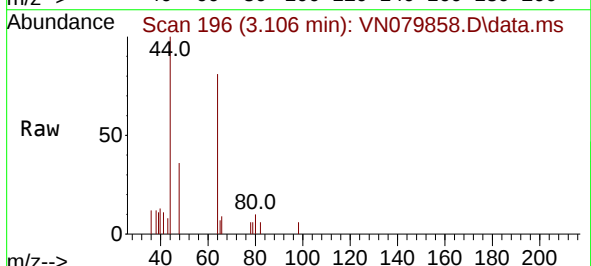
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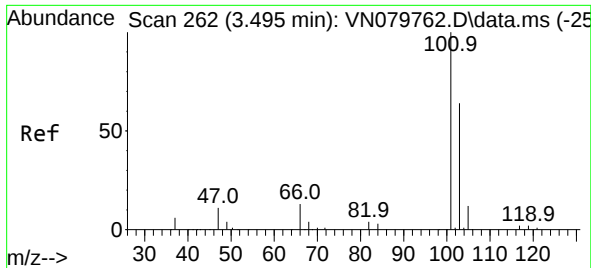
Reviewed By :John Carlone 11/04/2023
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#6
Chloroethane
Concen: 0.886 ug/l m
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

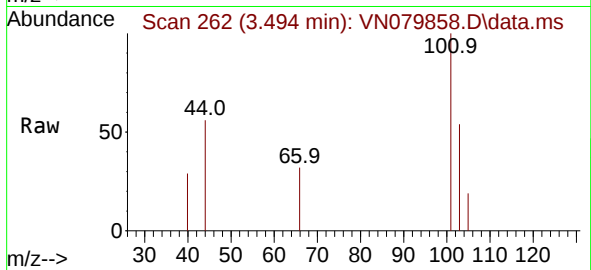
Tgt Ion: 64 Resp: 2748
Ion Ratio Lower Upper
64 100
66 11.5 25.4 38.2#





#7
Trichlorofluoromethane
Concen: 0.948 ug/l
RT: 3.494 min Scan# 210
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

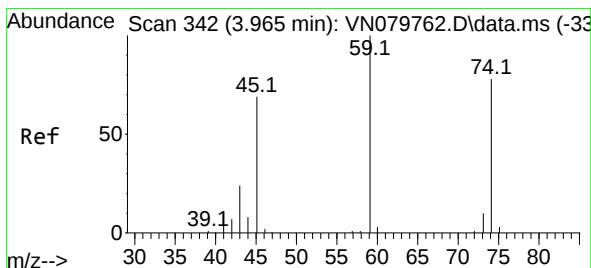
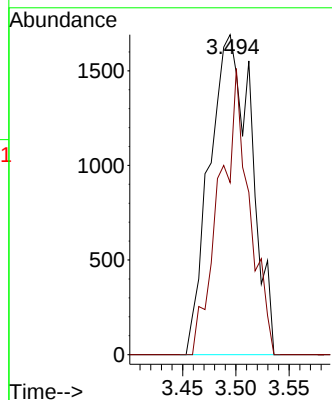
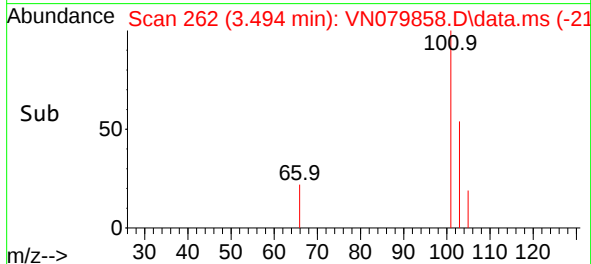
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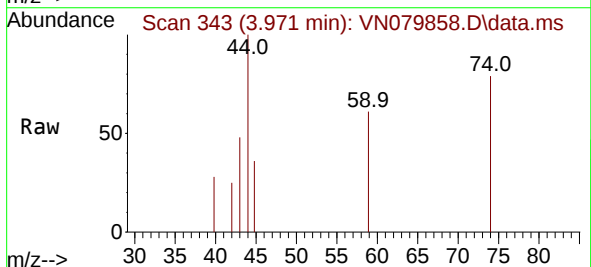
Tgt Ion:101 Resp: 463
Ion Ratio Lower Upper
101 100
103 53.8 50.7 76.1

Manual Integrations
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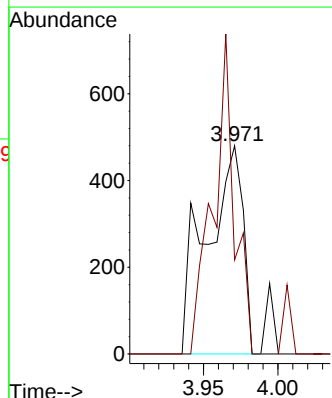
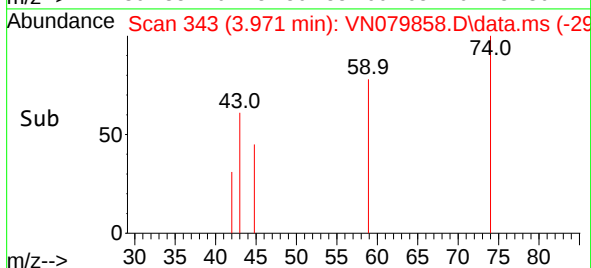
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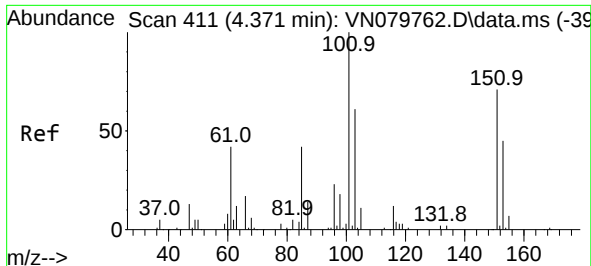


#8
Diethyl Ether
Concen: 0.473 ug/l m
RT: 3.971 min Scan# 343
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



Tgt Ion: 74 Resp: 877
Ion Ratio Lower Upper
74 100
45 6.4 34.4 103.3#





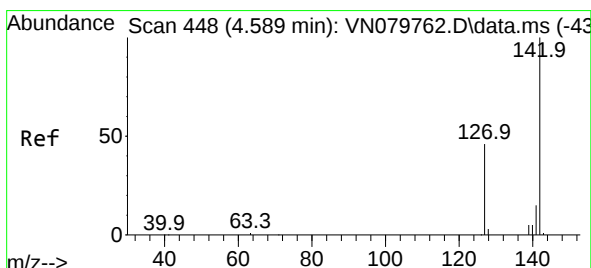
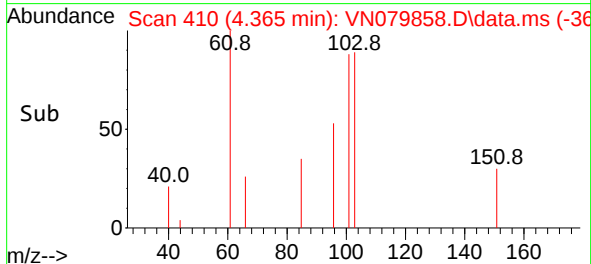
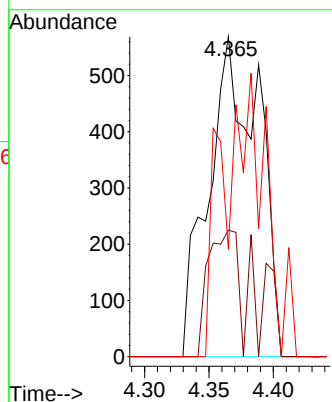
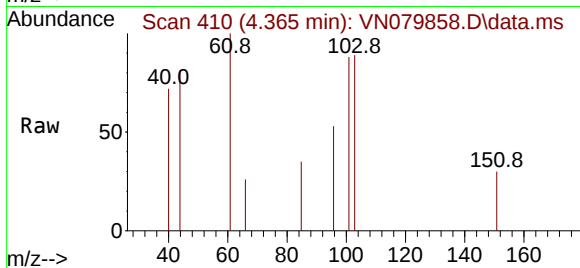
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.544 ug/l m
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:101 Resp: 1540
Ion Ratio Lower Upper
101 100
85 23.1 36.6 55.0
151 22.5 57.6 86.4

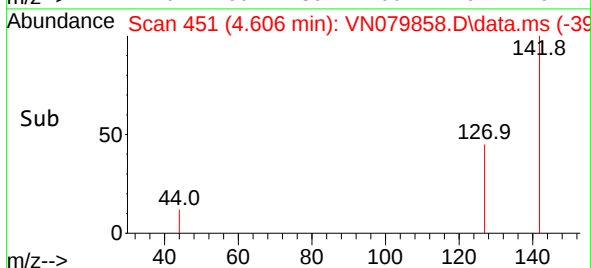
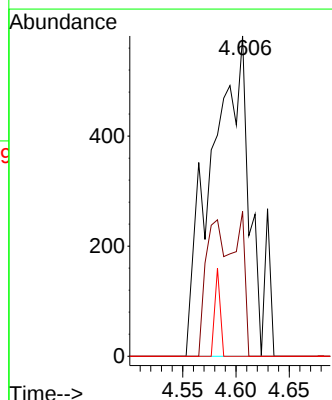
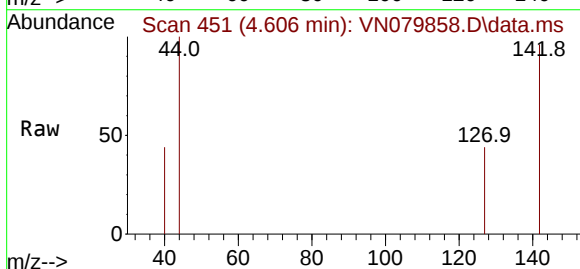
Manual Integrations
APPROVED

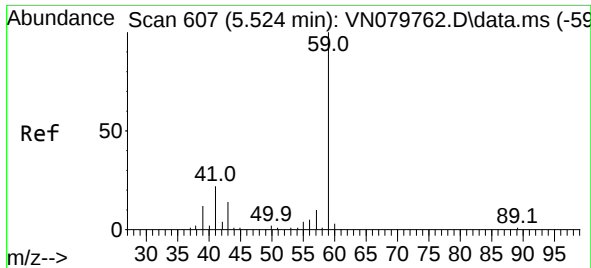
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#10
Methyl Iodide
Concen: 0.461 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:142 Resp: 1491
Ion Ratio Lower Upper
142 100
127 45.2 37.6 56.4
141 0.0 11.4 17.0





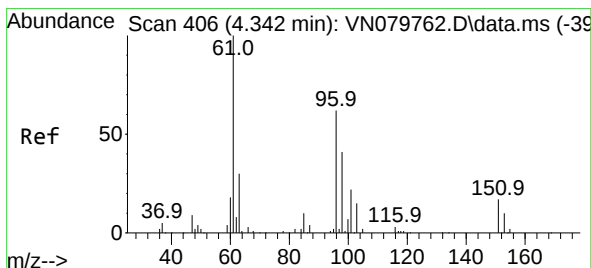
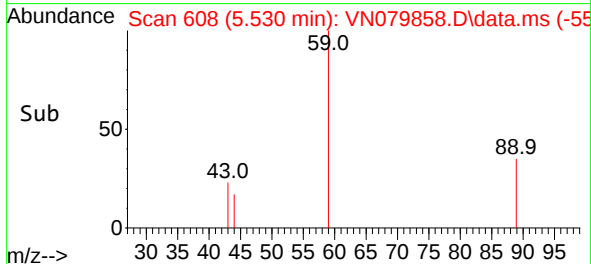
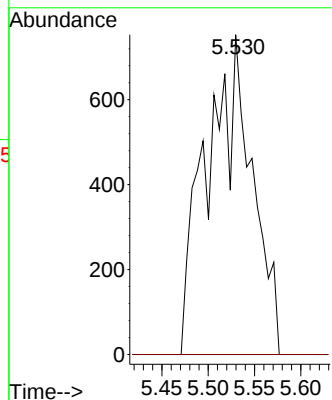
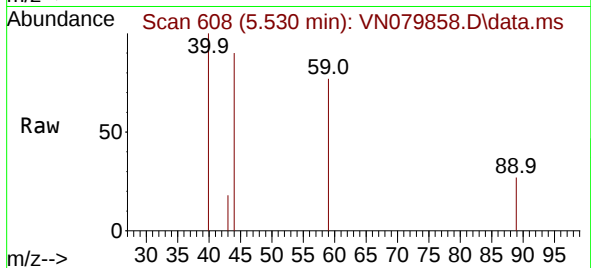
#11
Tert butyl alcohol
Concen: 5.316 ug/l m
RT: 5.530 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4

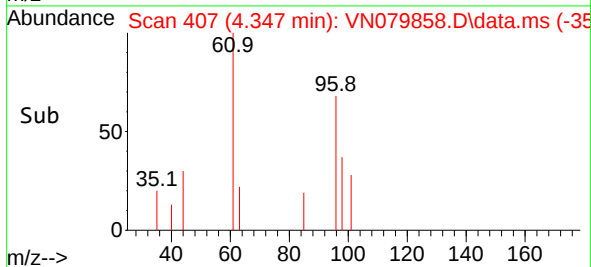
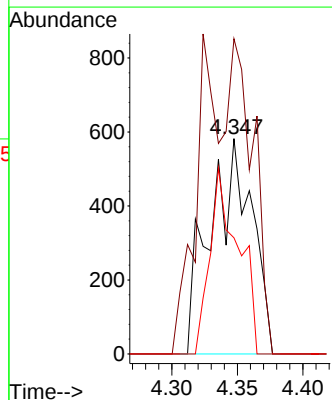
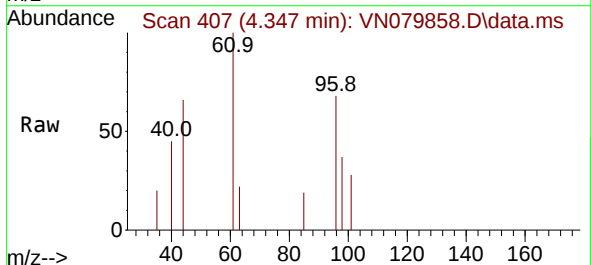
Manual Integrations
APPROVED

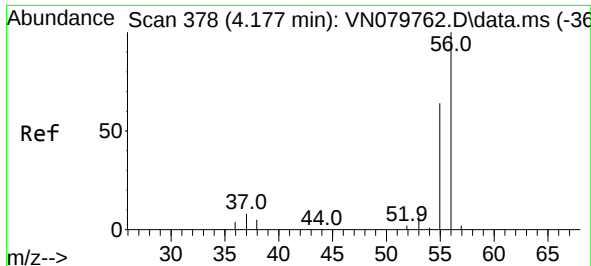
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#12
1,1-Dichloroethene
Concen: 0.484 ug/l
RT: 4.347 min Scan# 407
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

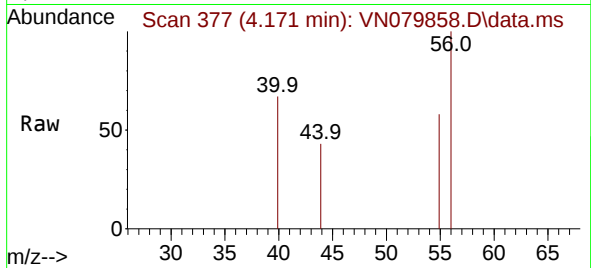
Tgt Ion: 96 Resp: 1298
Ion Ratio Lower Upper
96 100
61 146.4 112.7 169.1
98 54.0 51.2 76.8





#13
Acrolein
Concen: 2.503 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

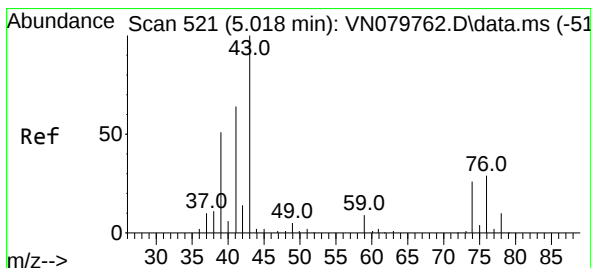
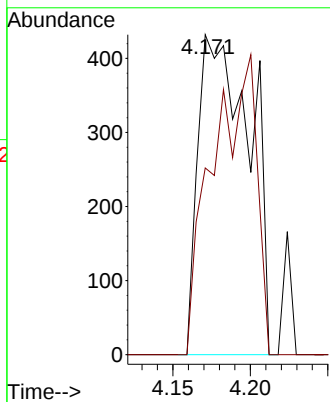
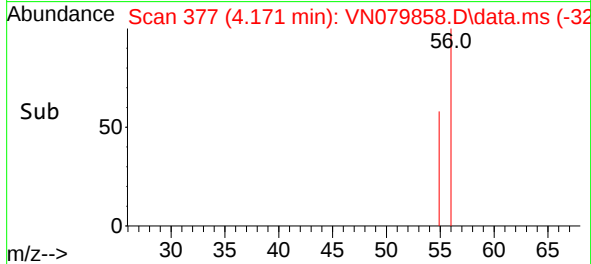
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



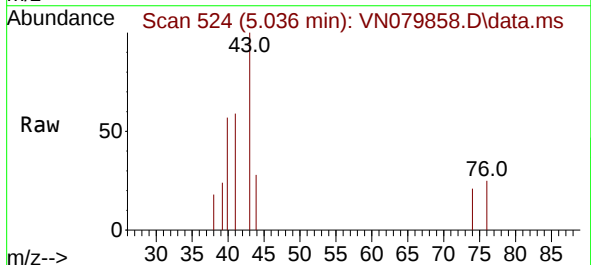
Tgt Ion: 56 Resp: 992
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7

Manual Integrations
APPROVED

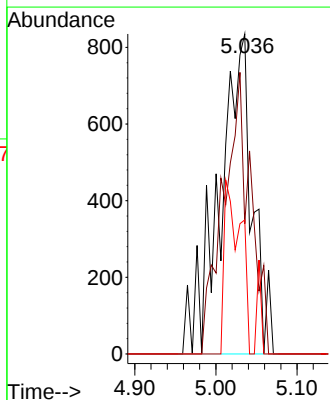
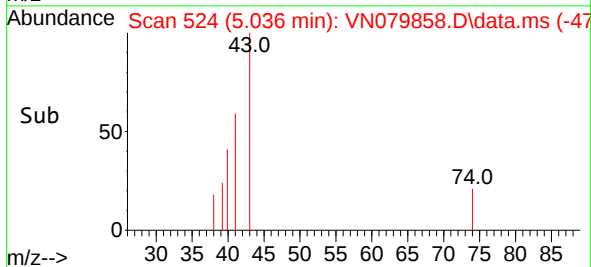
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

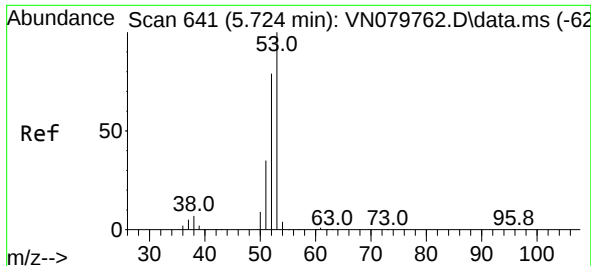


#14
Allyl chloride
Concen: 0.565 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



Tgt Ion: 41 Resp: 2320
Ion Ratio Lower Upper
41 100
39 74.0 58.8 88.2
76 0.0 39.1 58.7





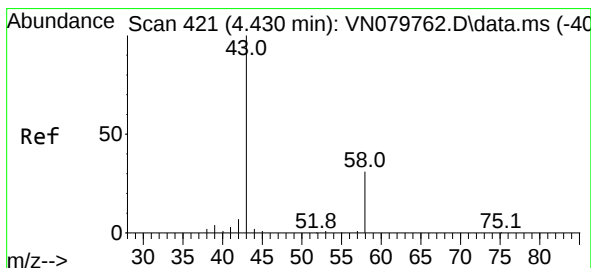
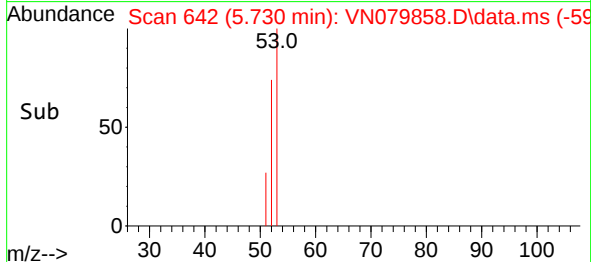
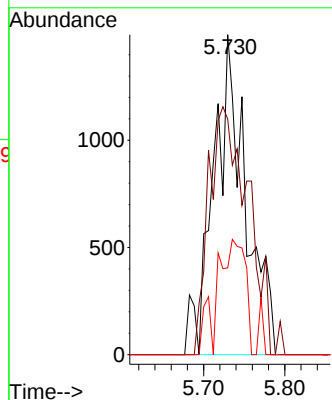
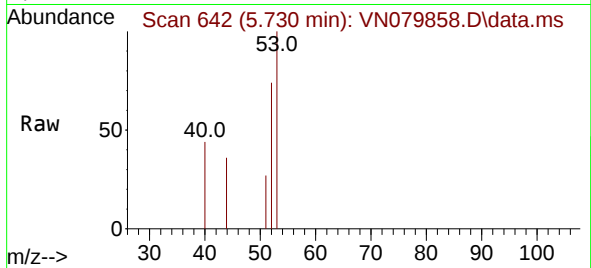
#15
Acrylonitrile
Concen: 2.734 ug/l
RT: 5.730 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 53 Resp: 412
Ion Ratio Lower Upper
53 100
52 93.6 65.3 97.9
51 31.8 28.9 43.3

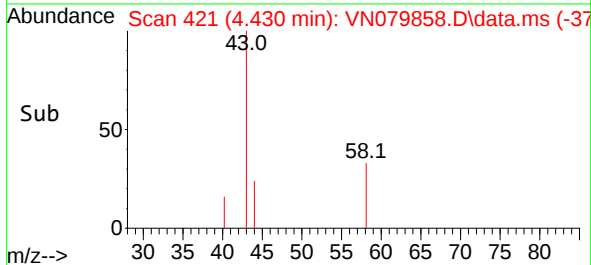
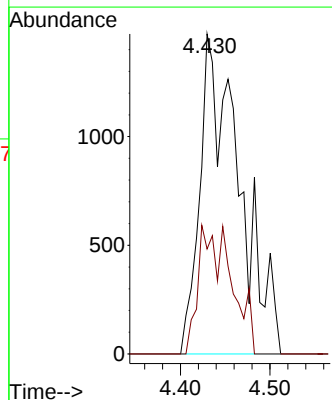
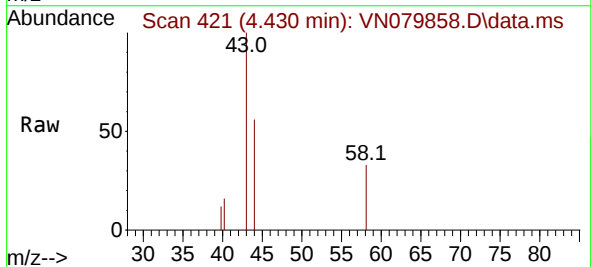
Manual Integrations
APPROVED

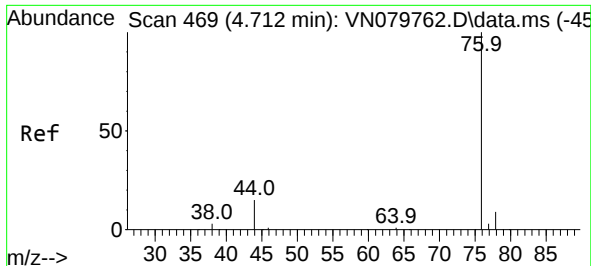
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#16
Acetone
Concen: 3.374 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

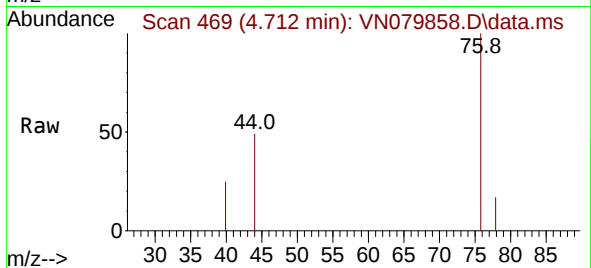
Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
58 32.8 28.0 42.0





#17
Carbon Disulfide
Concen: 0.632 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

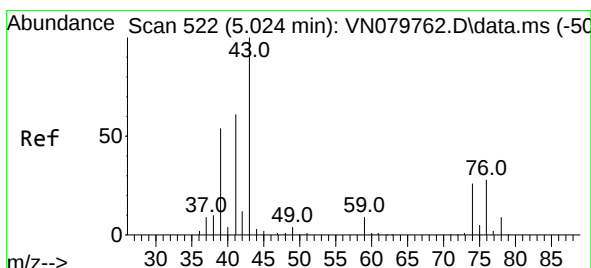
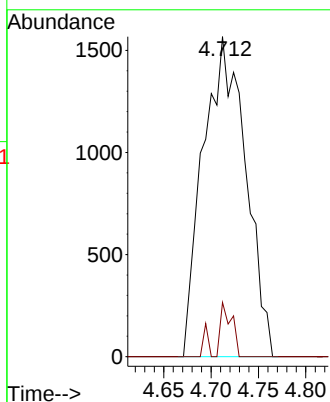
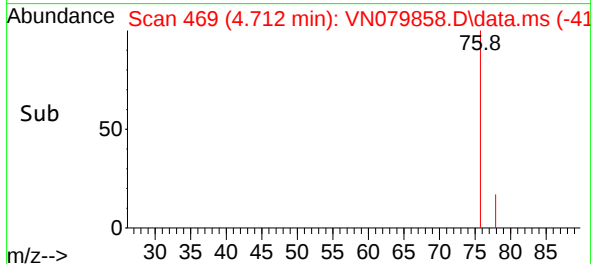
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



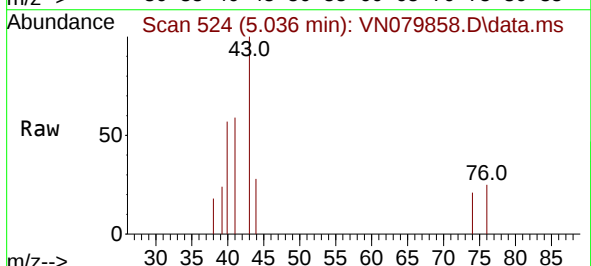
Tgt Ion: 76 Resp: 488
Ion Ratio Lower Upper
76 100
78 17.0 7.4 11.0

Manual Integrations
APPROVED

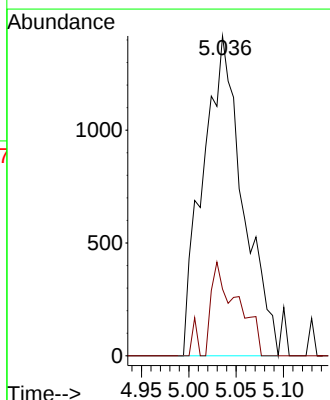
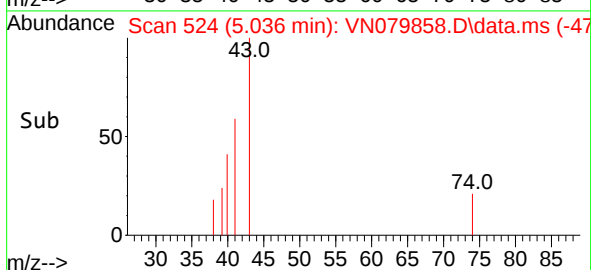
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

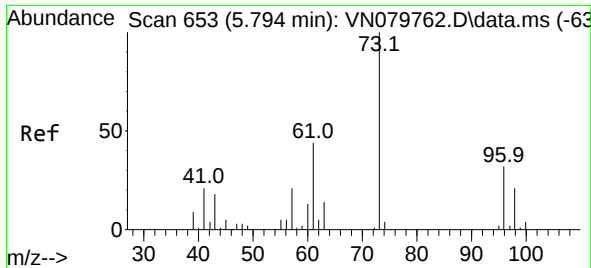


#18
Methyl Acetate
Concen: 0.655 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



Tgt Ion: 43 Resp: 4176
Ion Ratio Lower Upper
43 100
74 19.2 26.2 39.4





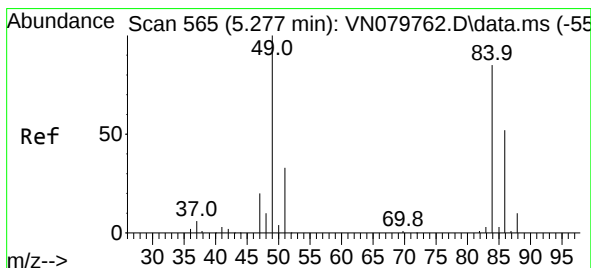
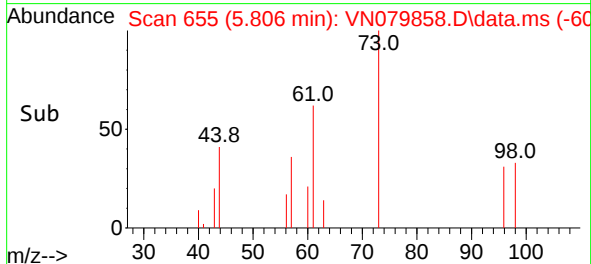
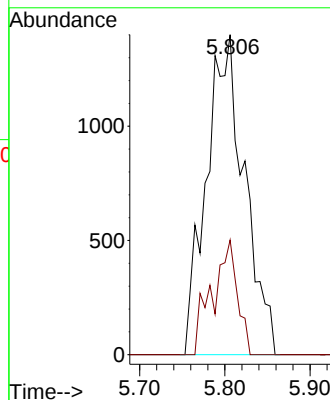
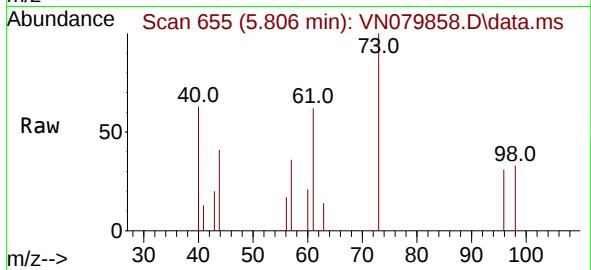
#19
Methyl tert-butyl Ether
Concen: 0.471 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 73 Resp: 434
Ion Ratio Lower Upper
73 100
57 35.8 15.6 23.4

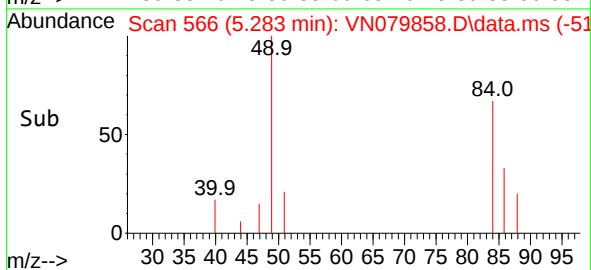
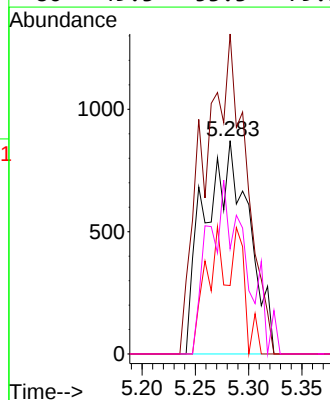
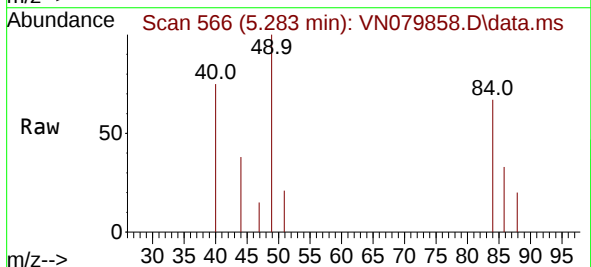
Manual Integrations
APPROVED

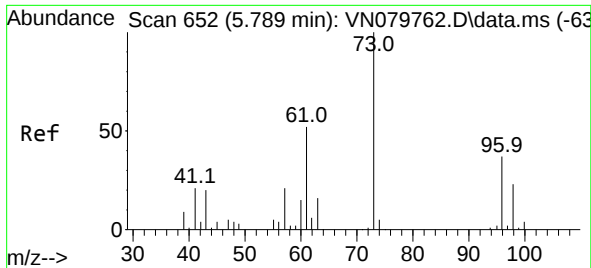
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#20
Methylene Chloride
Concen: 0.751 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 84 Resp: 2525
Ion Ratio Lower Upper
84 100
49 150.0 79.7 119.5#
51 32.1 25.2 37.8
86 49.3 53.3 79.9#





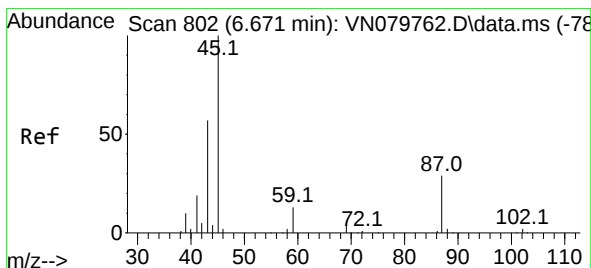
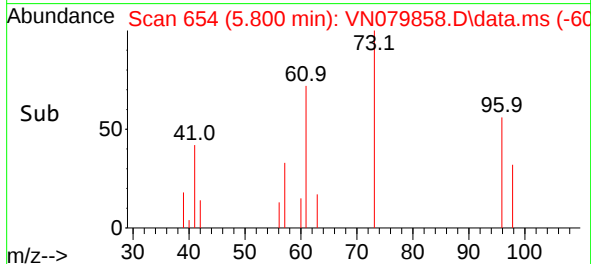
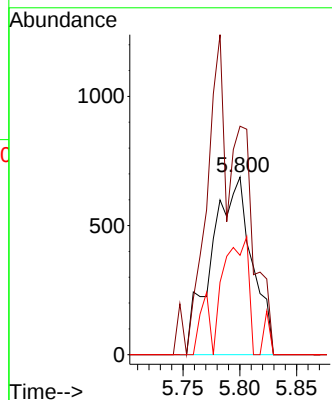
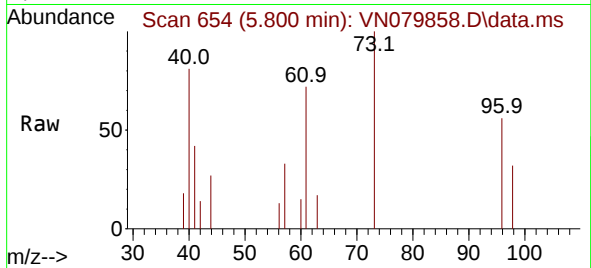
#21
trans-1,2-Dichloroethene
Concen: 0.568 ug/l
RT: 5.800 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 96 Resp: 1699
Ion Ratio Lower Upper
96 100
61 128.6 90.1 135.1
98 56.0 46.4 69.6

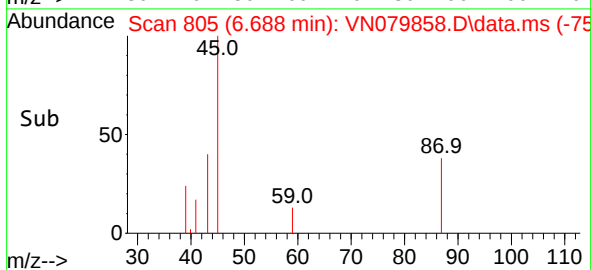
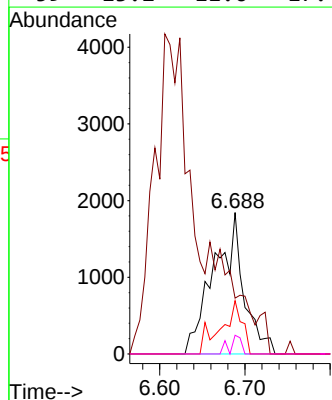
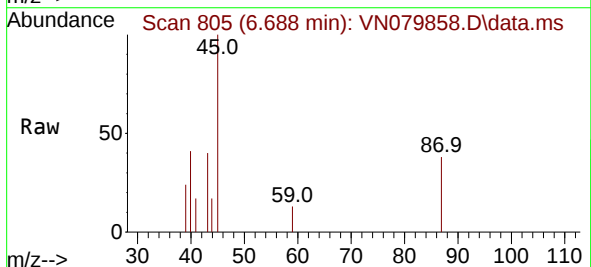
Manual Integrations
APPROVED

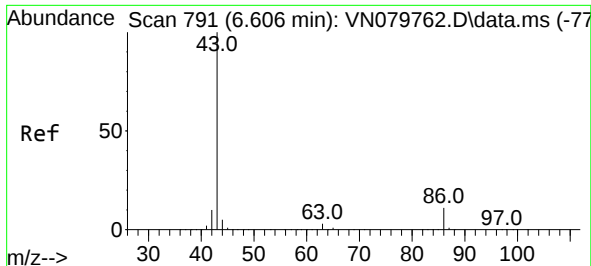
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#22
Diisopropyl ether
Concen: 0.476 ug/l
RT: 6.688 min Scan# 805
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 45 Resp: 4528
Ion Ratio Lower Upper
45 100
43 39.5 45.5 68.3#
87 37.6 31.8 47.8
59 13.2 11.6 17.4





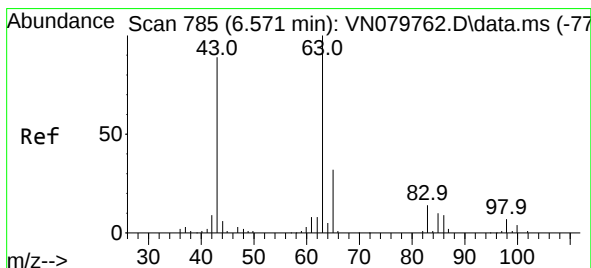
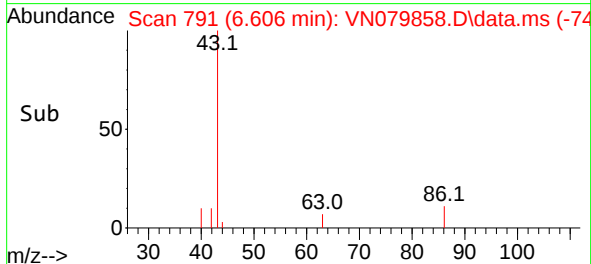
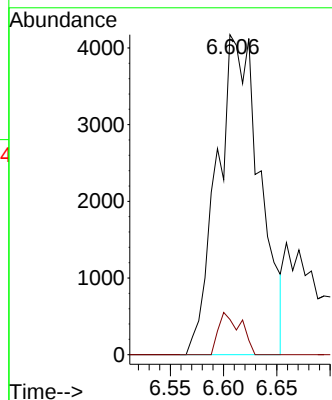
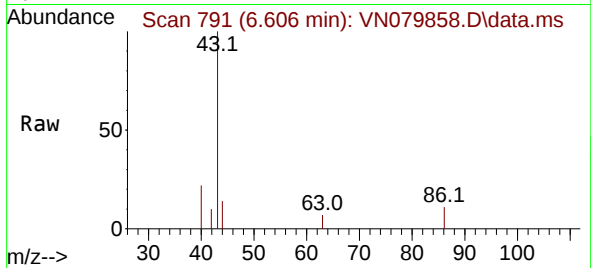
#23
 Vinyl Acetate
 Concen: 2.230 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. -0.000 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 11700
 Ion Ratio Lower Upper
 43 100
 86 11.0 13.0 19.6

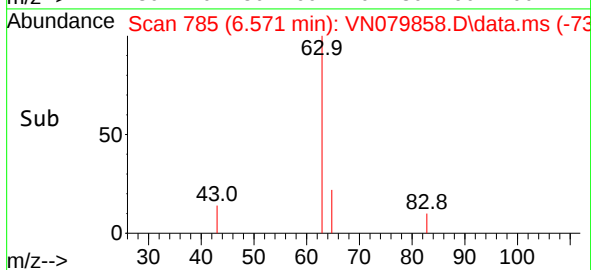
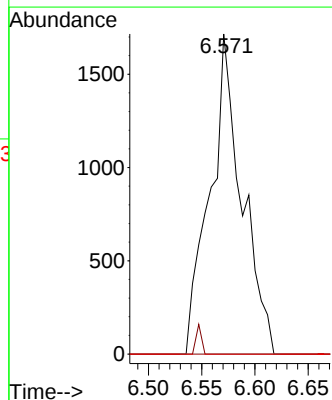
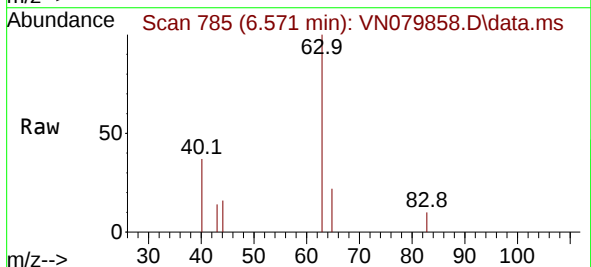
Manual Integrations
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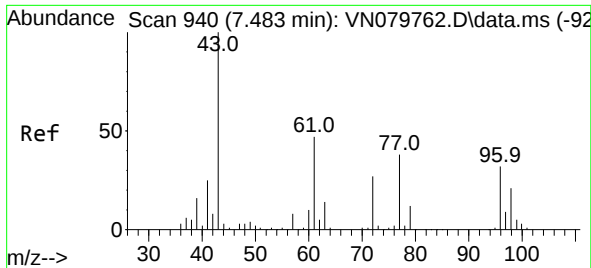
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#24
 1,1-Dichloroethane
 Concen: 0.617 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

Tgt Ion: 63 Resp: 3570
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.5 7.4#





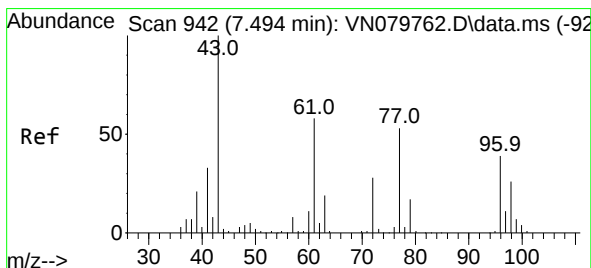
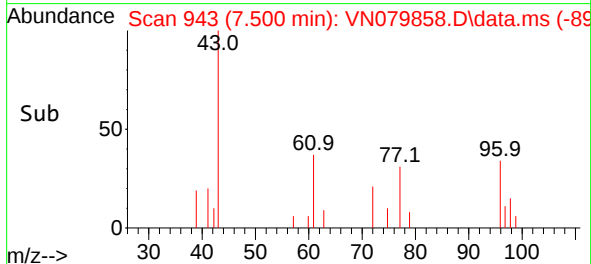
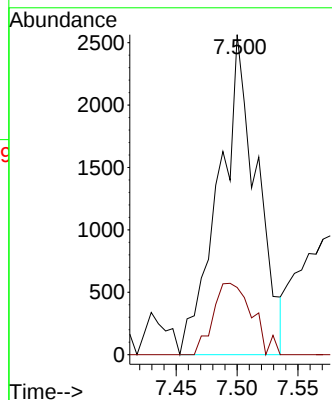
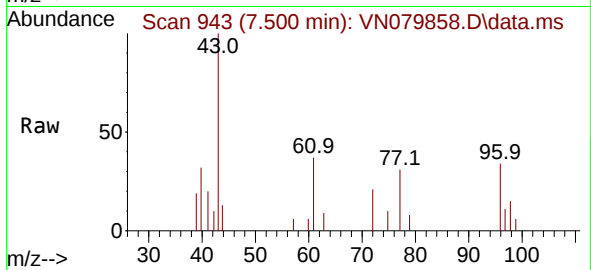
#25
2-Butanone
Concen: 2.857 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
72 21.0 30.2 45.2

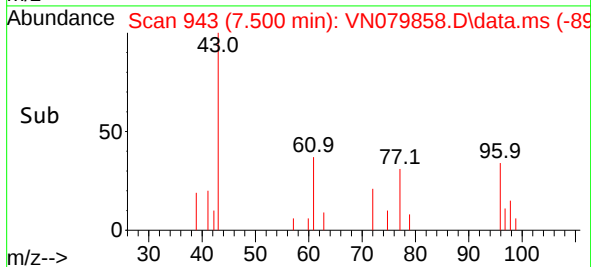
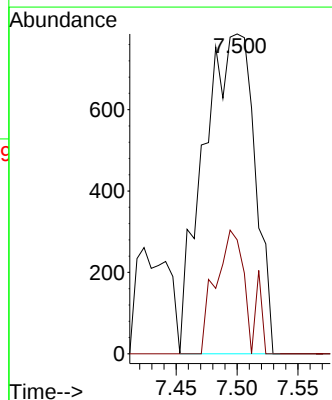
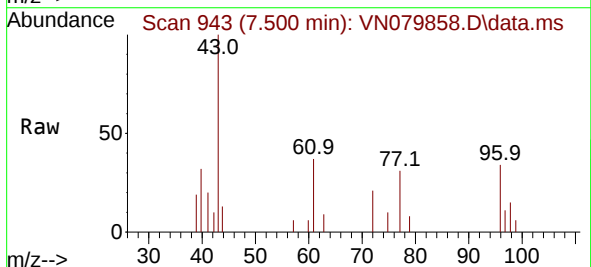
Manual Integrations
APPROVED

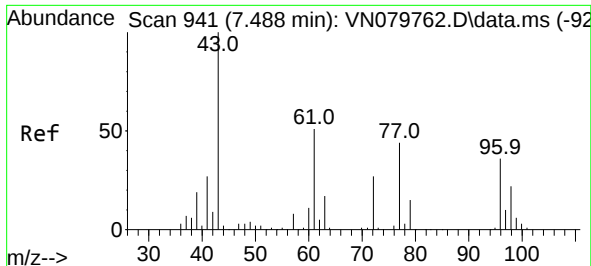
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#26
2,2-Dichloropropane
Concen: 0.481 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

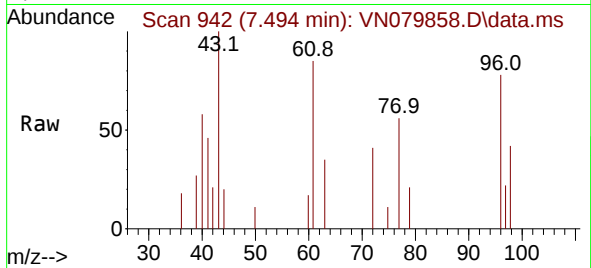
Tgt Ion: 77 Resp: 2303
Ion Ratio Lower Upper
77 100
97 23.8 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 0.541 ug/l
 RT: 7.494 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

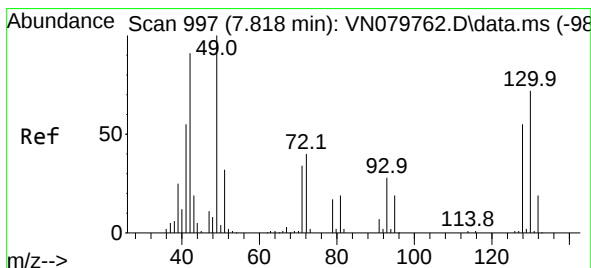
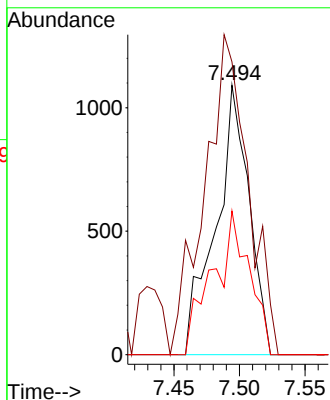
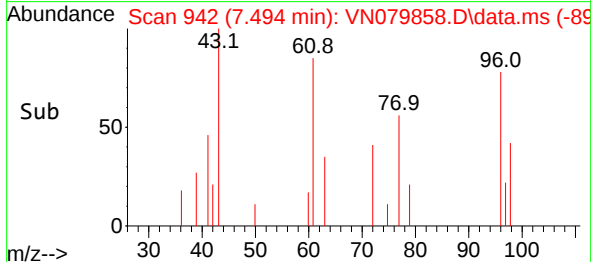
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion: 96 Resp: 1930
 Ion Ratio Lower Upper
 96 100
 61 154.6 0.0 255.2
 98 58.7 0.0 128.8

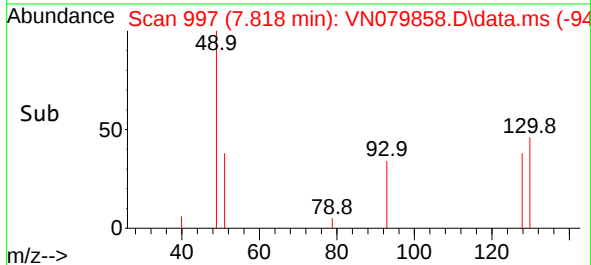
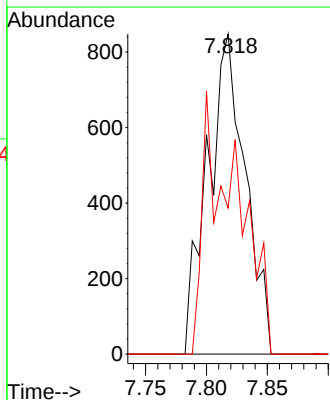
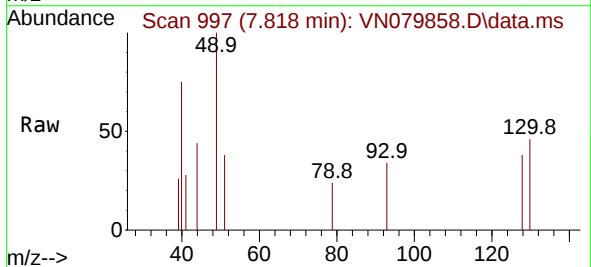
Manual Integrations
 APPROVED

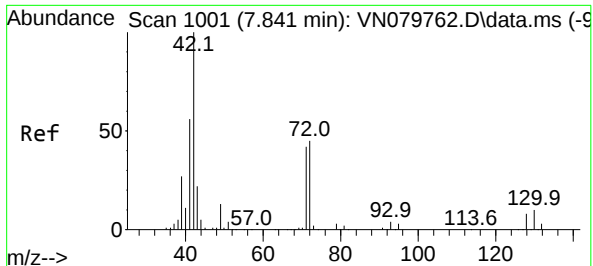
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#28
 Bromochloromethane
 Concen: 0.649 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. 0.006 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

Tgt Ion: 49 Resp: 1829
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 40.5 75.3 112.9#





#29

Tetrahydrofuran

Concen: 2.401 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

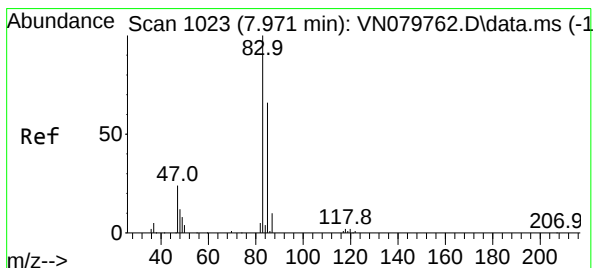
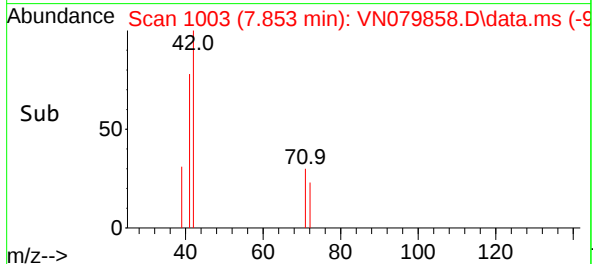
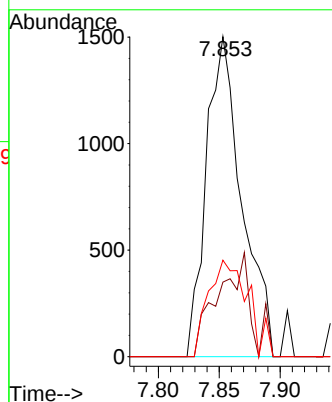
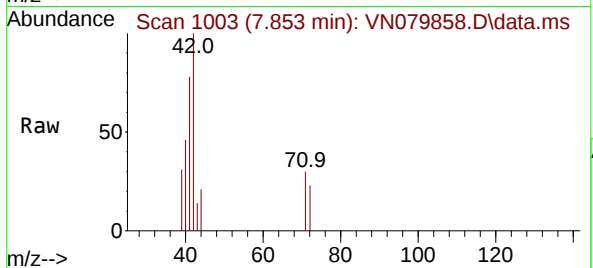
Tgt Ion:	42	Resp:	3049
Ion Ratio	Lower	Upper	
42	100		
72	27.4	49.8	74.6
71	33.5	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#30

Chloroform

Concen: 0.698 ug/l

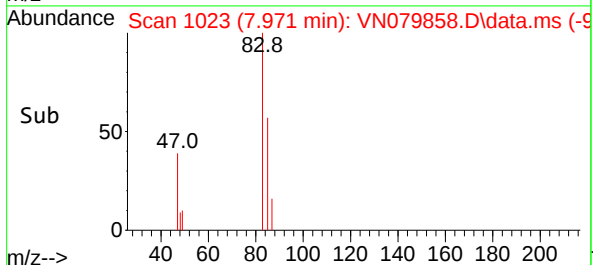
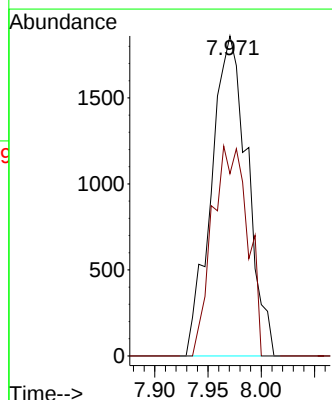
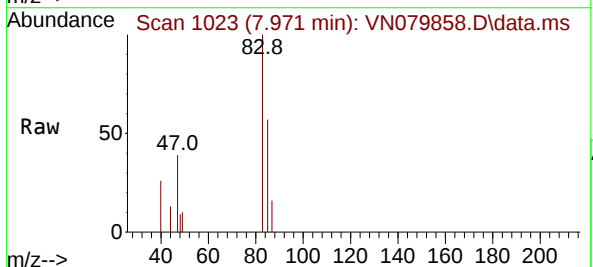
RT: 7.971 min Scan# 1023

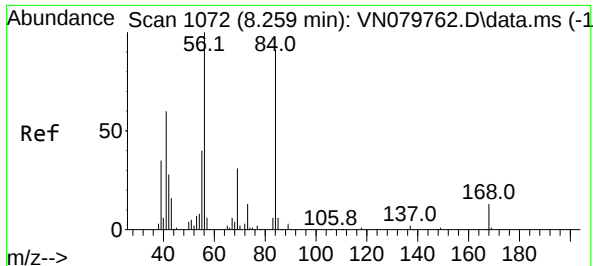
Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

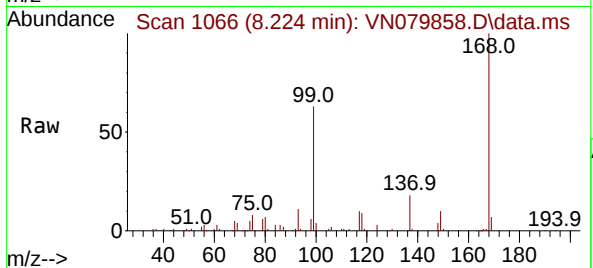
Tgt Ion:	83	Resp:	4387
Ion Ratio	Lower	Upper	
83	100		
85	56.9	55.4	83.0





#31
Cyclohexane
Concen: 1.740 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

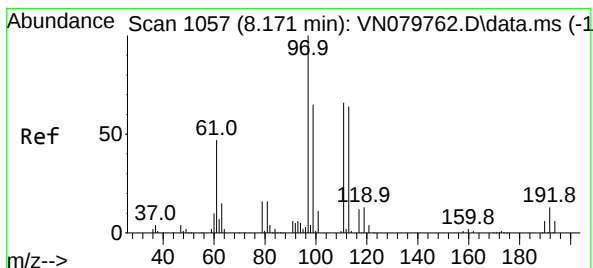
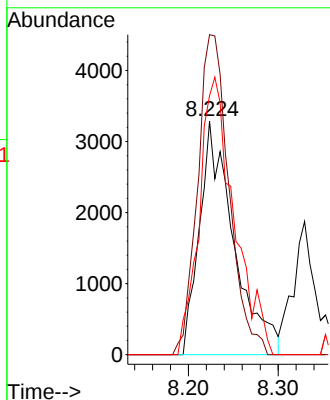
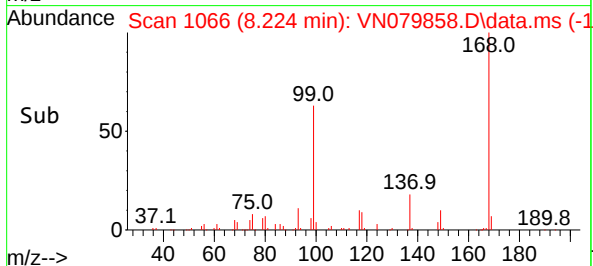
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 56 Resp: 872
Ion Ratio Lower Upper
56 100
69 137.0 26.8 40.2
84 110.9 81.8 122.6

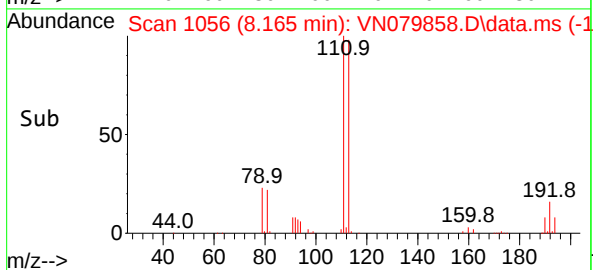
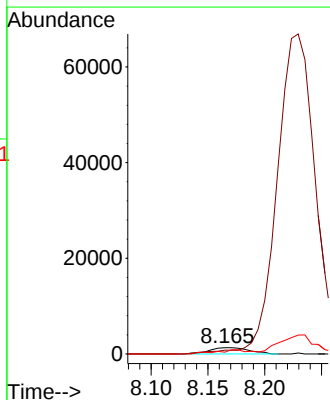
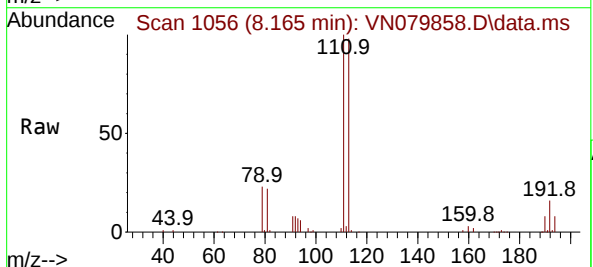
Manual Integrations
APPROVED

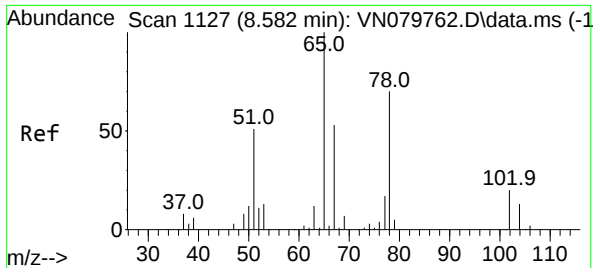
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#32
1,1,1-Trichloroethane
Concen: 0.623 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 97 Resp: 3191
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 56.0 34.7 52.1#





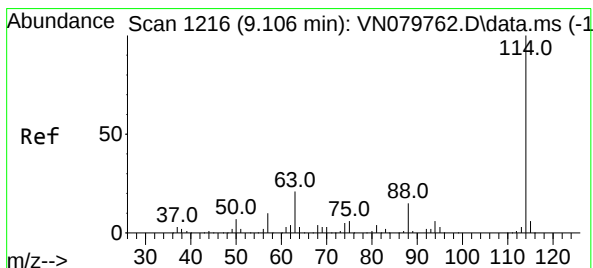
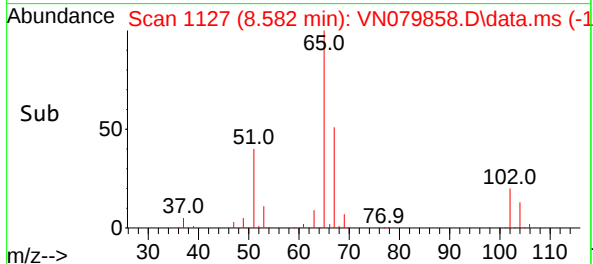
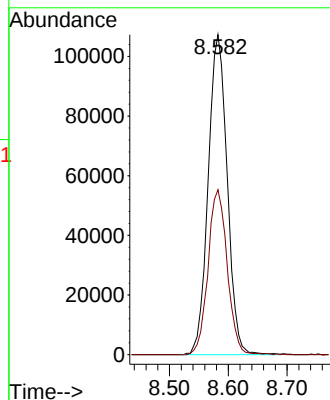
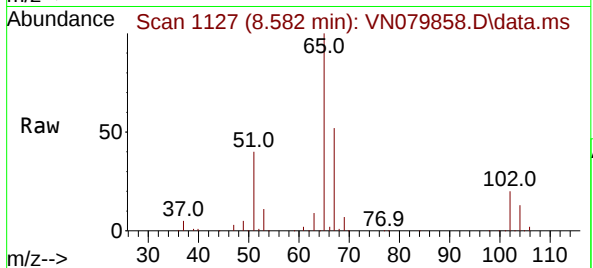
#33
1,2-Dichloroethane-d4
Concen: 63.445 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 65 Resp: 240762
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.6

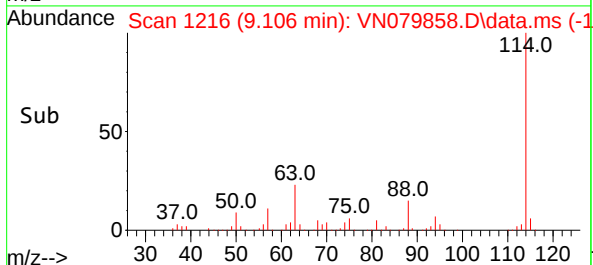
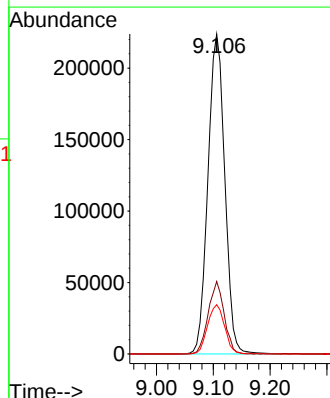
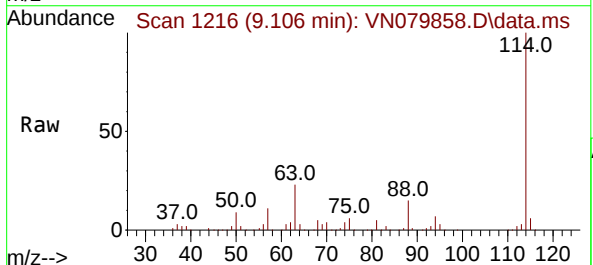
Manual Integrations
APPROVED

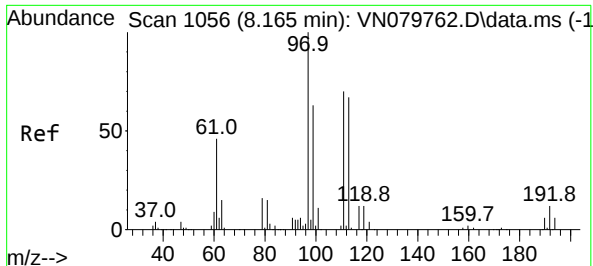
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:114 Resp: 460238
Ion Ratio Lower Upper
114 100
63 22.7 0.0 36.4
88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.184 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

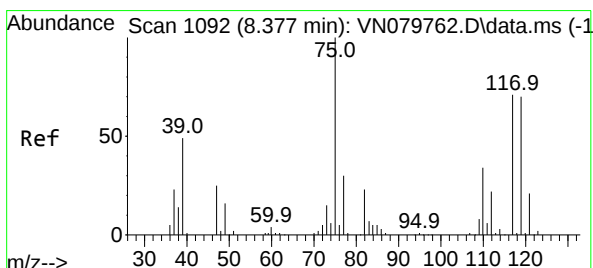
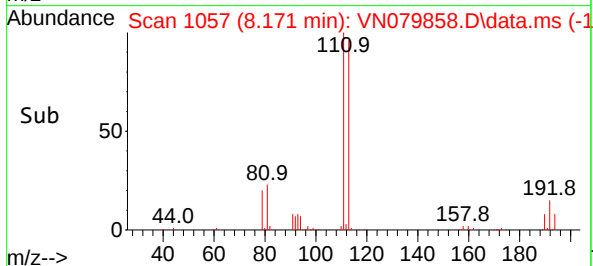
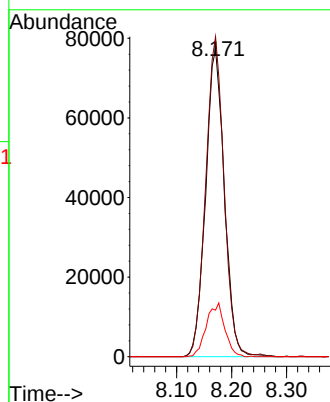
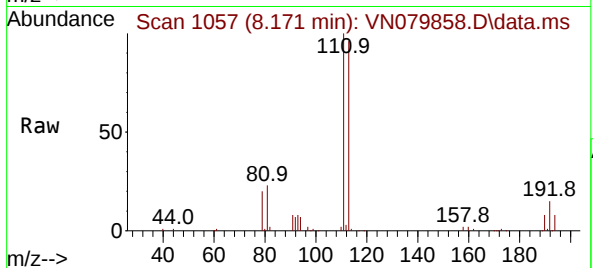
Tgt Ion: 113 Resp: 18301
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 123.8
 192 17.2 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#36

1,1-Dichloropropene

Concen: 0.547 ug/l m

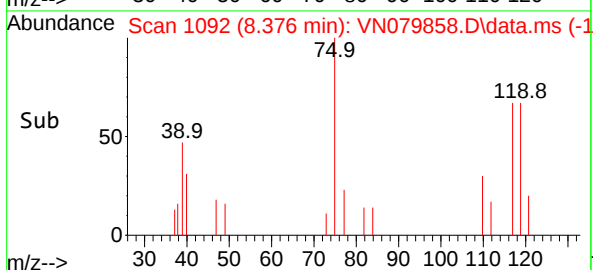
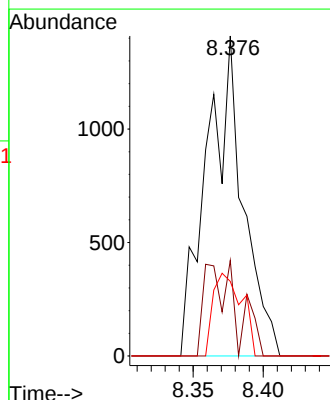
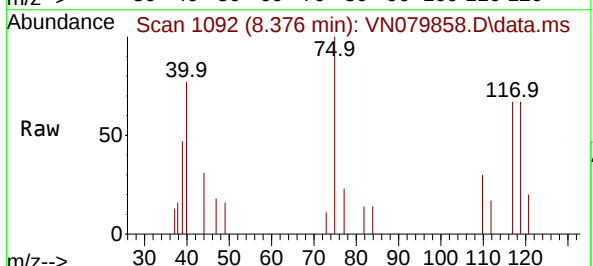
RT: 8.376 min Scan# 1092

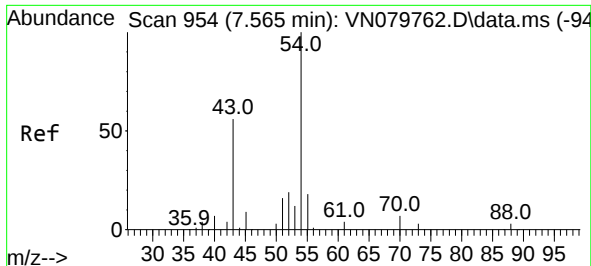
Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

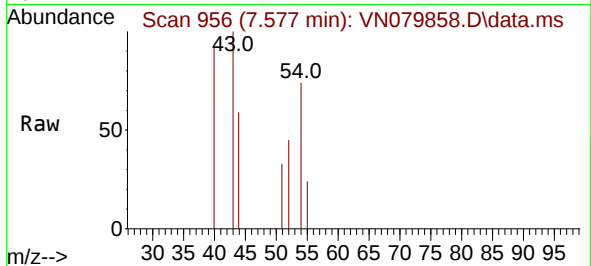
Tgt Ion: 75 Resp: 2543
 Ion Ratio Lower Upper
 75 100
 110 25.7 19.1 57.3
 77 20.5 25.0 37.4#





#37
Ethyl Acetate
Concen: 0.593 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

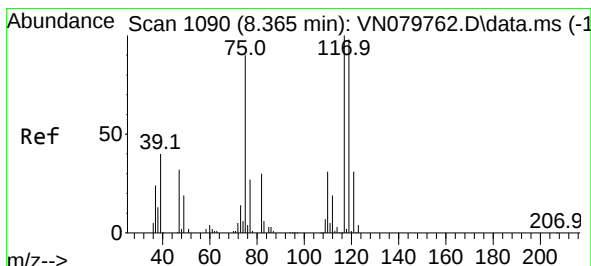
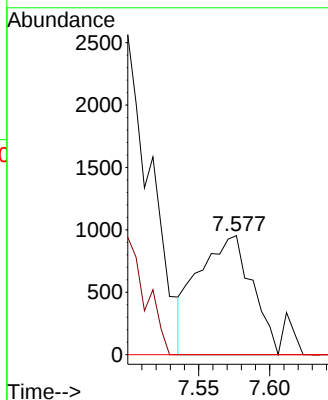
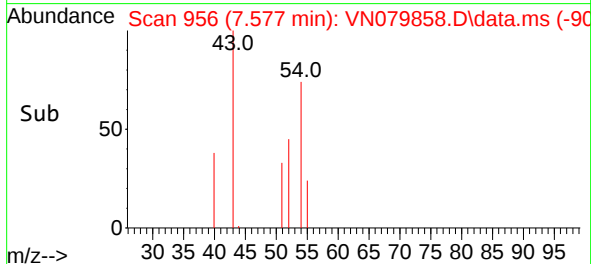
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 2530
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8
70 0.0 11.3 16.9

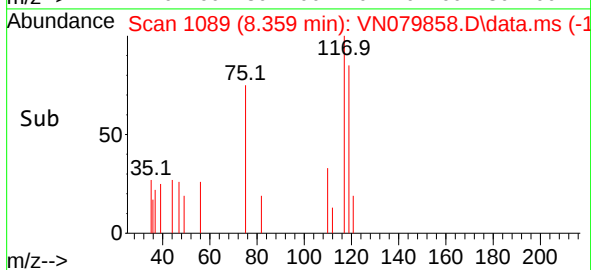
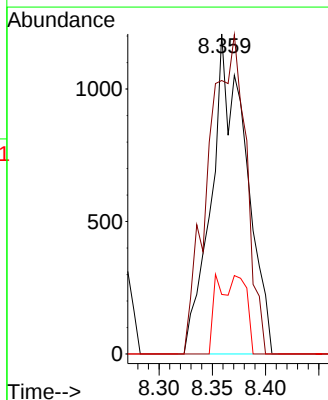
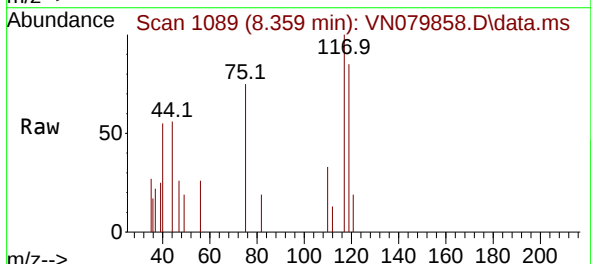
Manual Integrations
APPROVED

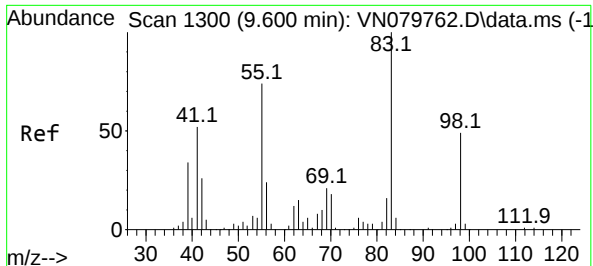
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#38
Carbon Tetrachloride
Concen: 0.583 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:117 Resp: 2732
Ion Ratio Lower Upper
117 100
119 85.4 77.3 115.9
121 18.6 23.3 34.9





#39

Methylcyclohexane

Concen: 0.428 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

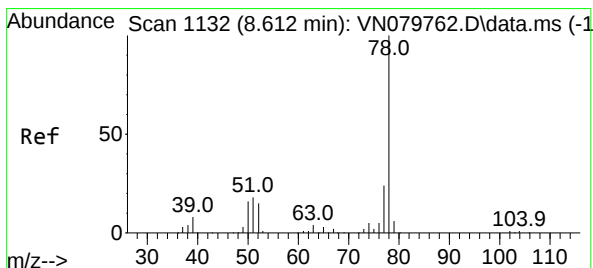
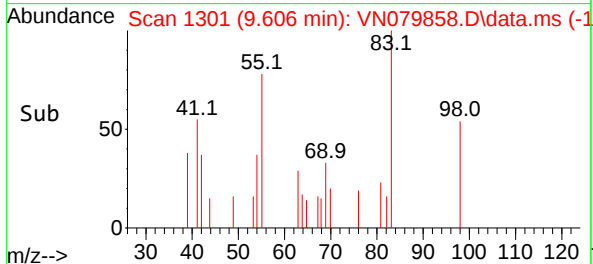
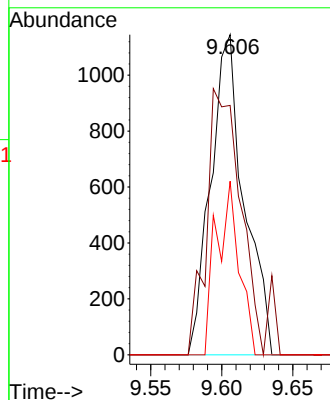
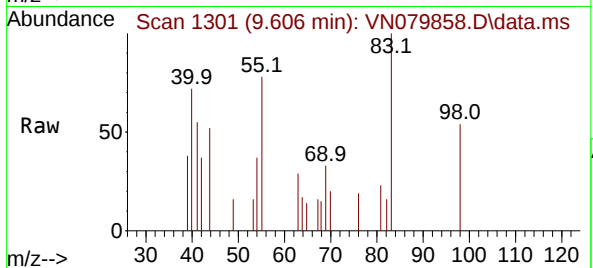
ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 83 Resp: 1872
 Ion Ratio Lower Upper
 83 100
 55 77.9 49.1 73.7
 98 54.2 40.6 61.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#40

Benzene

Concen: 0.555 ug/l

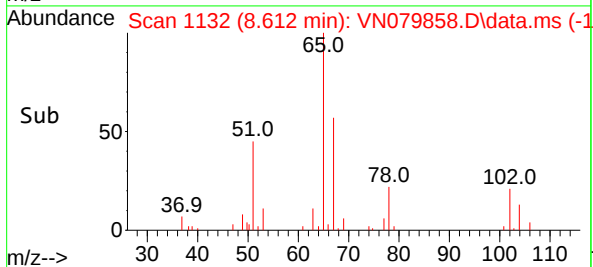
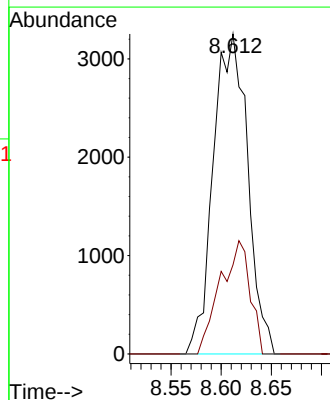
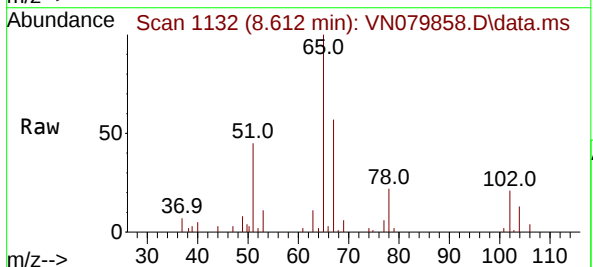
RT: 8.612 min Scan# 1132

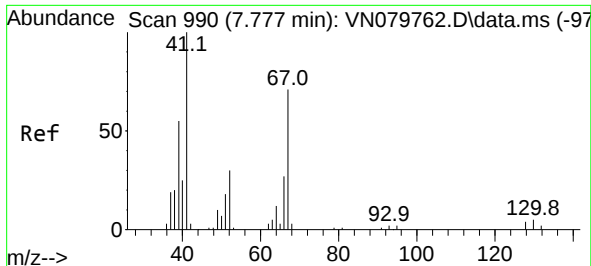
Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

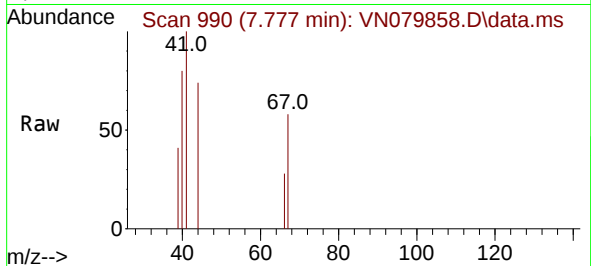
Tgt Ion: 78 Resp: 7735
 Ion Ratio Lower Upper
 78 100
 77 27.8 19.0 28.6





#41
Methacrylonitrile
Concen: 0.450 ug/l m
RT: 7.777 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

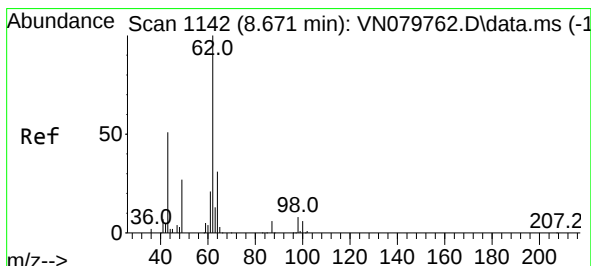
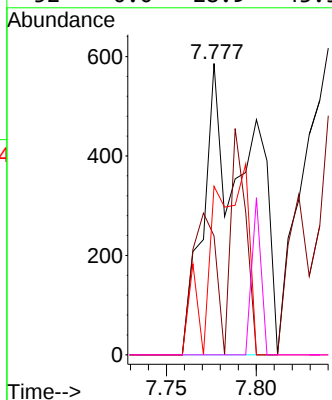
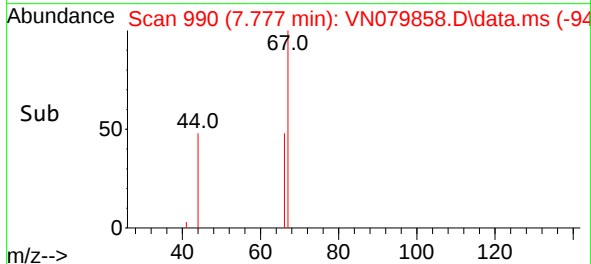
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:	41	Resp:	1019
Ion	Ratio	Lower	Upper
41	100		
39	25.5	42.6	64.0
67	0.0	77.5	116.3
52	0.0	28.9	43.3

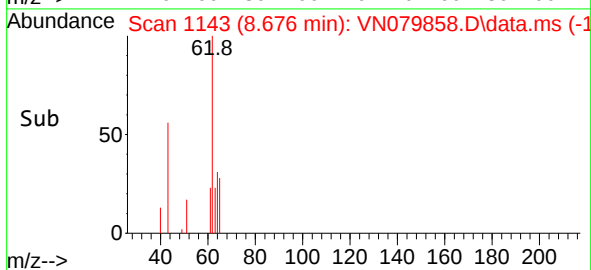
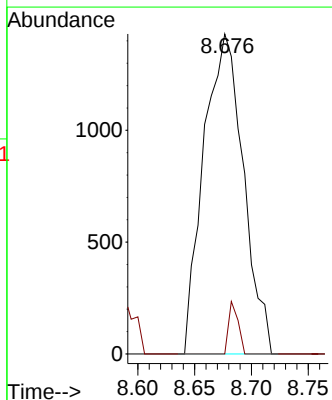
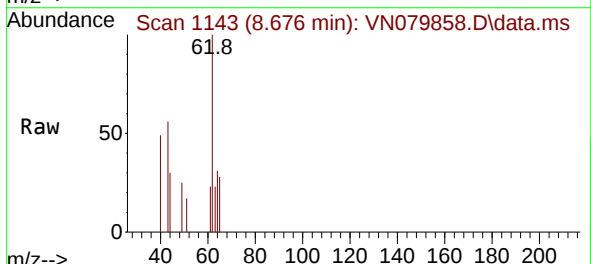
Manual Integrations
APPROVED

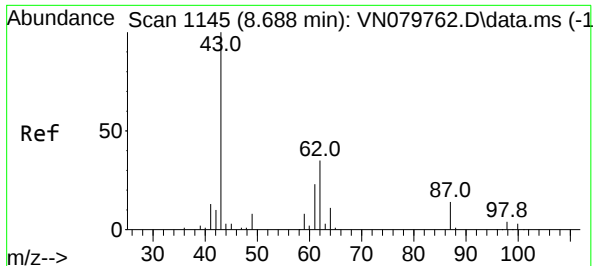
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#42
1,2-Dichloroethane
Concen: 0.714 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:	62	Resp:	3474
Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	19.8





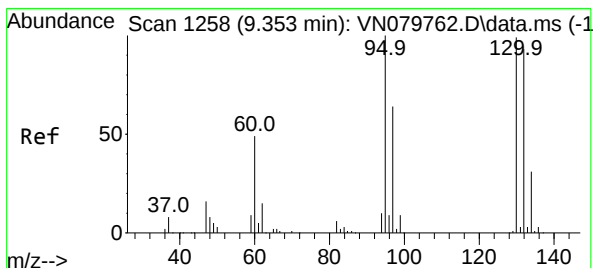
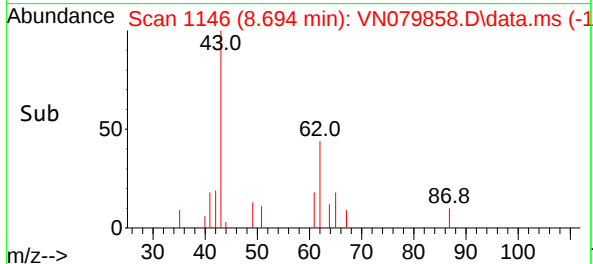
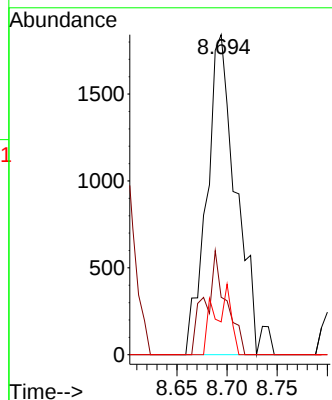
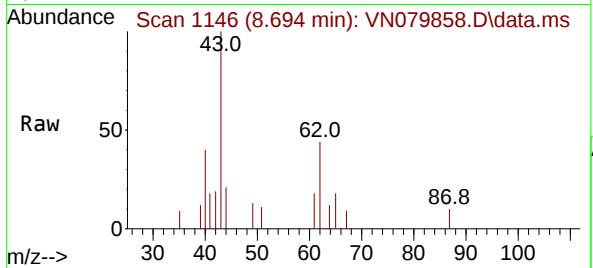
#43
Isopropyl Acetate
Concen: 0.508 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
61 22.8 24.7 37.1
87 12.0 14.6 21.8

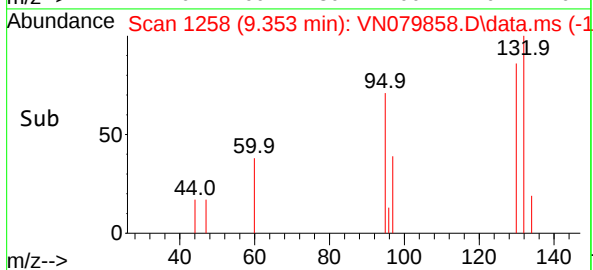
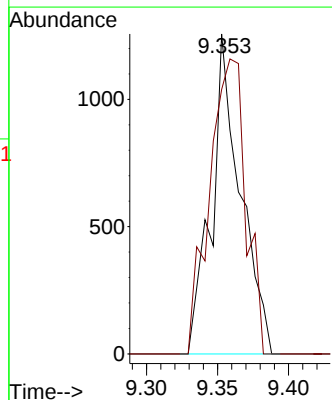
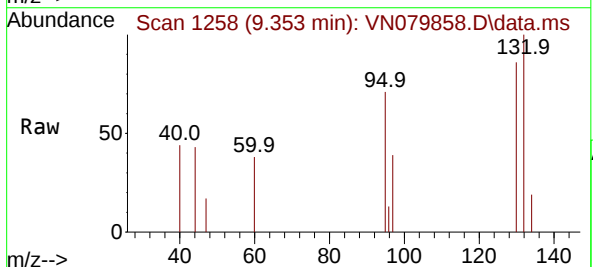
Manual Integrations
APPROVED

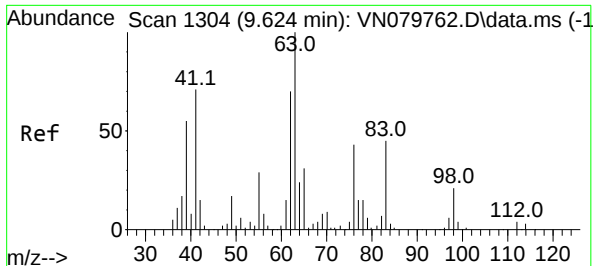
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#44
Trichloroethene
Concen: 0.516 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:130 Resp: 1784
Ion Ratio Lower Upper
130 100
95 82.7 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.567 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

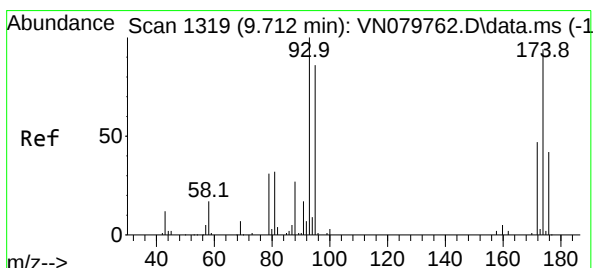
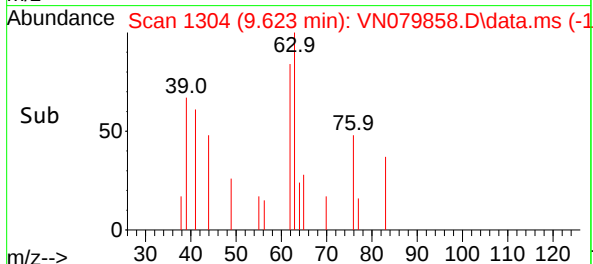
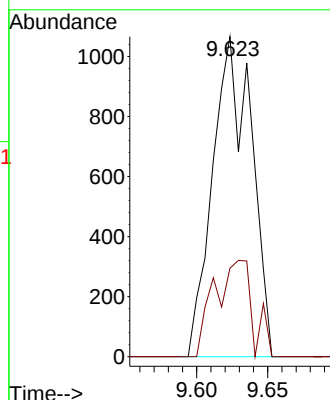
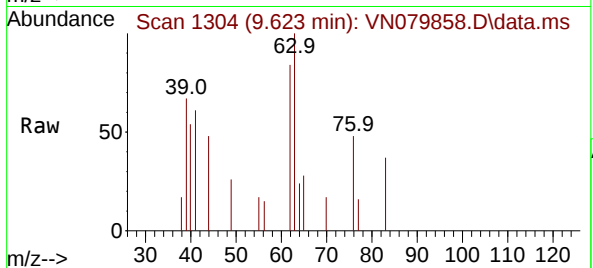
Tgt Ion: 63 Resp: 2018
 Ion Ratio Lower Upper
 63 100
 65 27.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#46

Dibromomethane

Concen: 0.635 ug/l

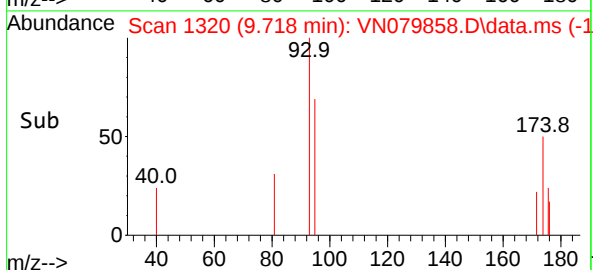
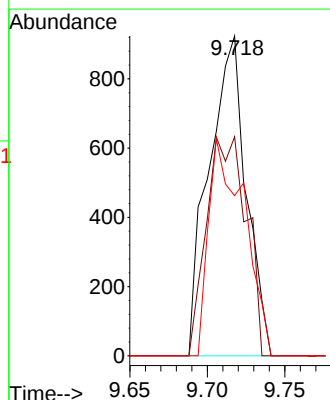
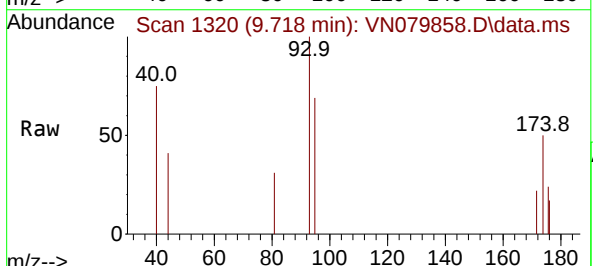
RT: 9.718 min Scan# 1320

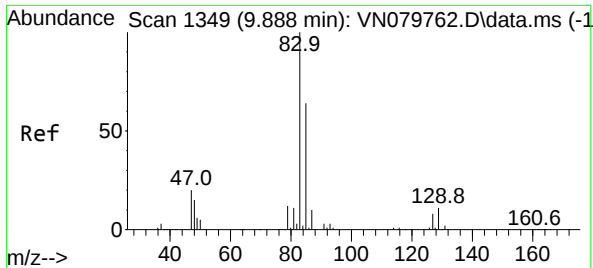
Delta R.T. 0.006 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Tgt Ion: 93 Resp: 1544
 Ion Ratio Lower Upper
 93 100
 95 73.4 63.8 95.8
 174 65.2 65.6 98.4#





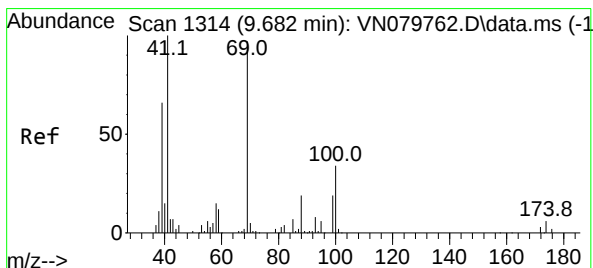
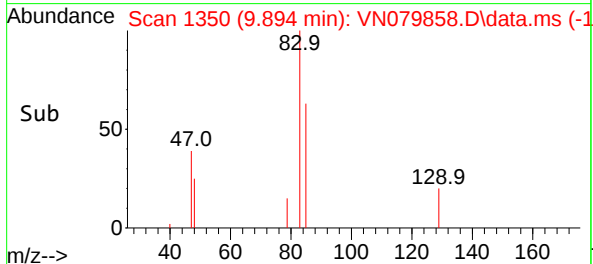
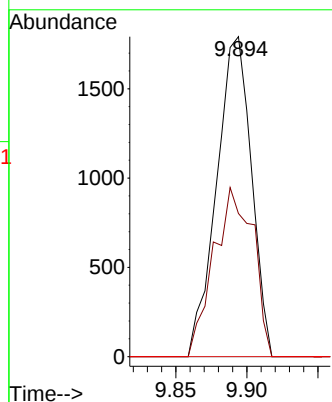
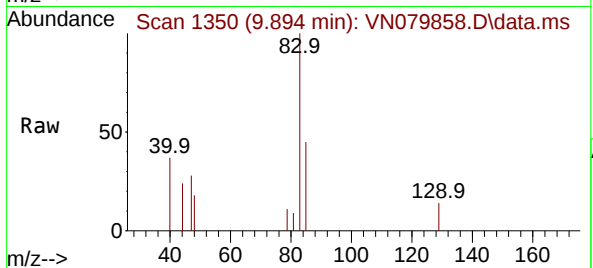
#47
Bromodichloromethane
Concen: 0.590 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 83 Resp: 3058
Ion Ratio Lower Upper
83 100
85 44.8 49.6 74.4
127 0.0 7.0 10.6

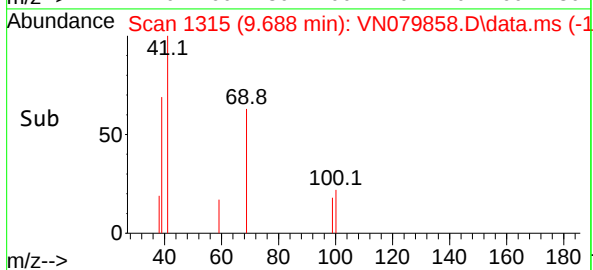
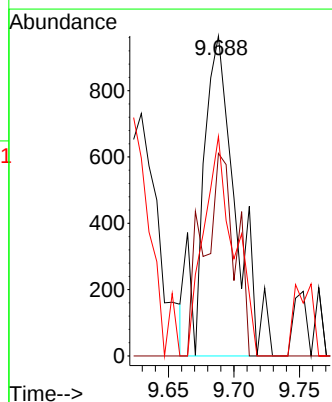
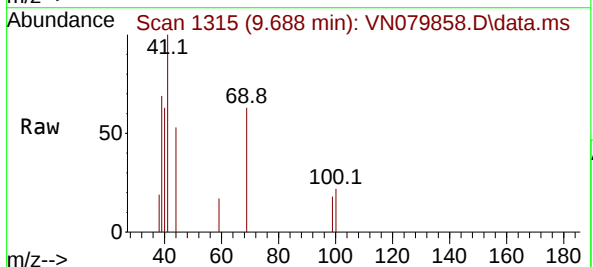
Manual Integrations
APPROVED

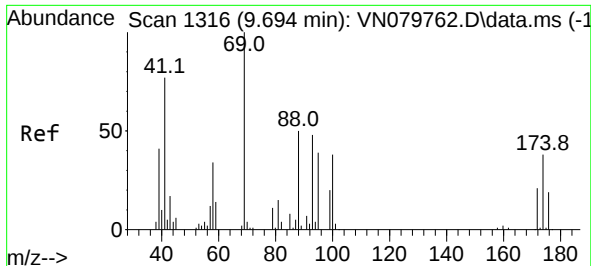
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#48
Methyl methacrylate
Concen: 0.518 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 41 Resp: 1698
Ion Ratio Lower Upper
41 100
69 60.2 90.4 135.6
39 63.1 54.6 81.8





#49

1,4-Dioxane

Concen: 8.861 ug/l

RT: 9.706 min Scan# 1316

Delta R.T. 0.012 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 88 Resp: 511

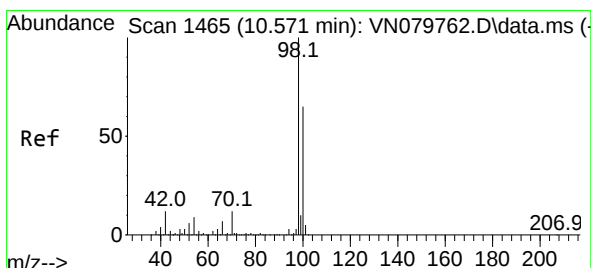
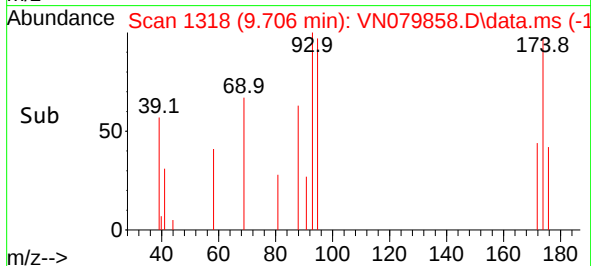
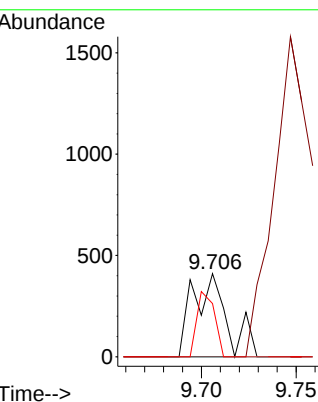
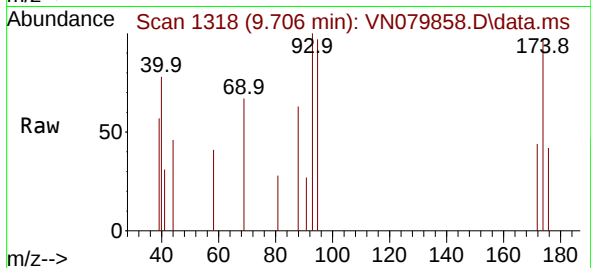
Ion	Ratio	Lower	Upper
88	100		
43	0.0	17.0	25.6
58	40.2	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#50

Toluene-d8

Concen: 50.995 ug/l

RT: 10.570 min Scan# 1465

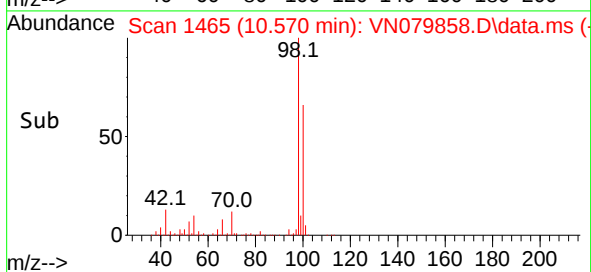
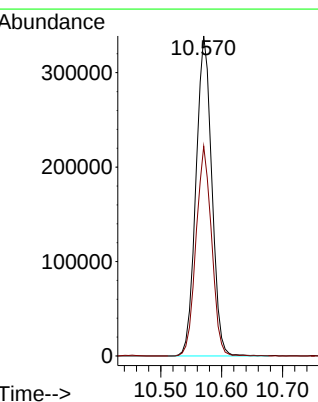
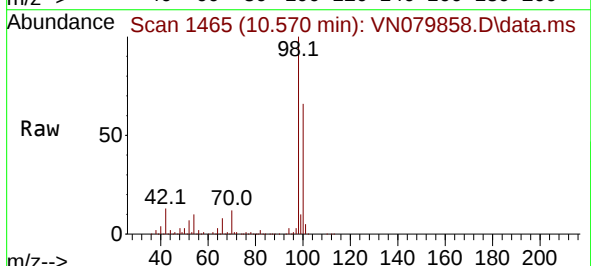
Delta R.T. -0.000 min

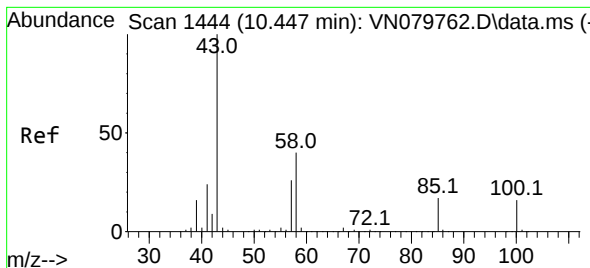
Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Tgt Ion: 98 Resp: 611509

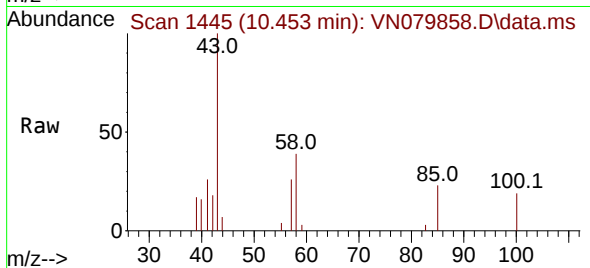
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 2.367 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

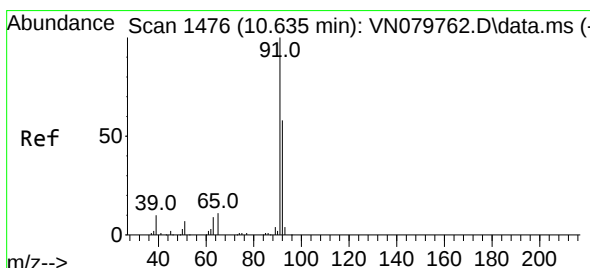
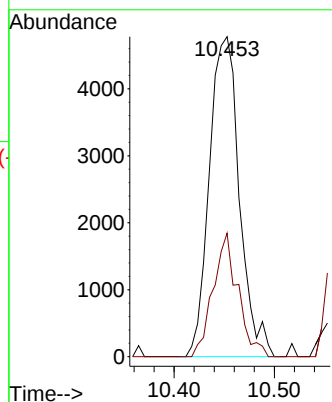
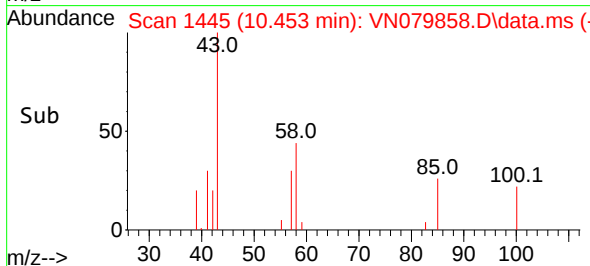
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 31.9 36.6 54.8

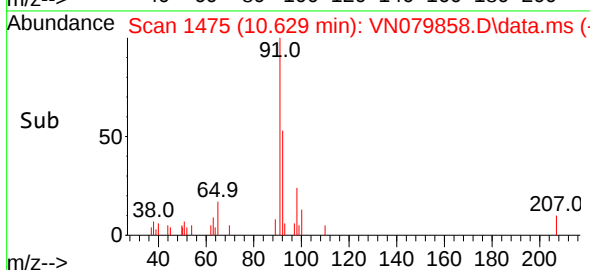
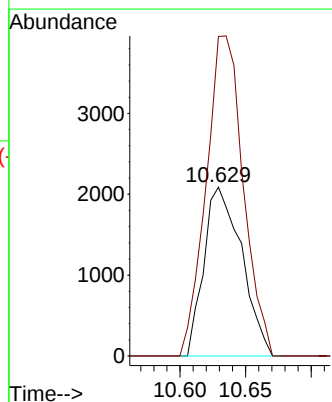
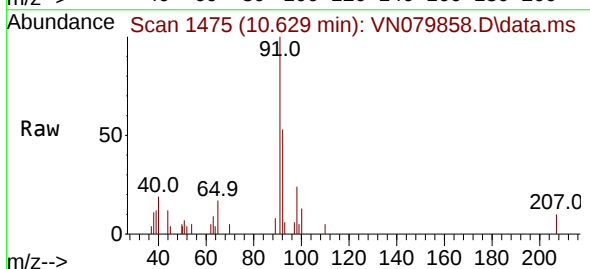
Manual Integrations
APPROVED

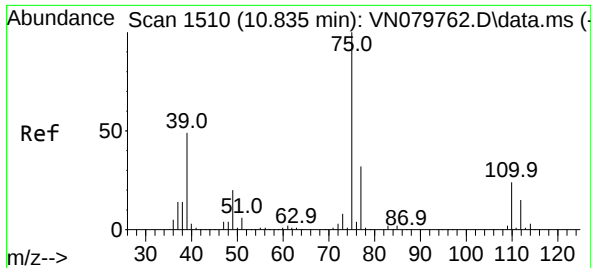
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#52
Toluene
Concen: 0.505 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

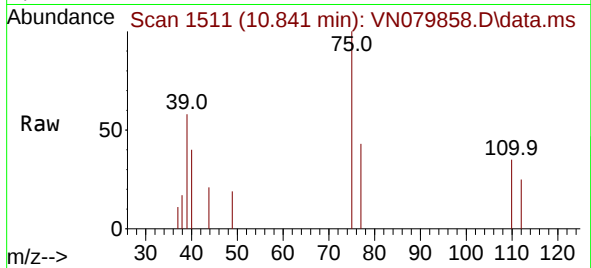
Tgt Ion: 92 Resp: 4170
Ion Ratio Lower Upper
92 100
91 187.2 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 0.478 ug/l
 RT: 10.841 min Scan# 1510
 Delta R.T. -0.000 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

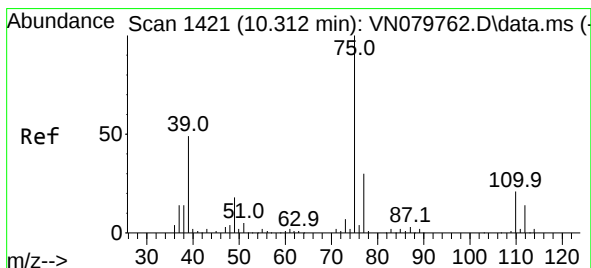
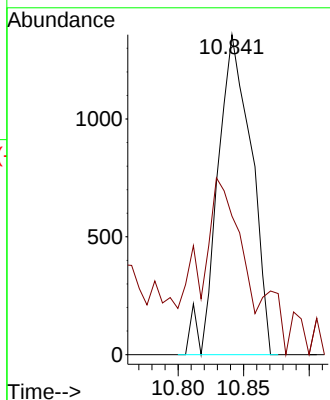
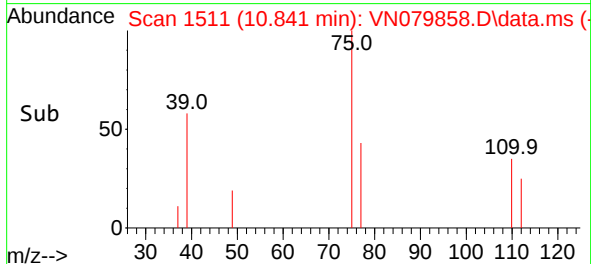
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion: 75 Resp: 2430
 Ion Ratio Lower Upper
 75 100
 77 28.9 25.4 38.0

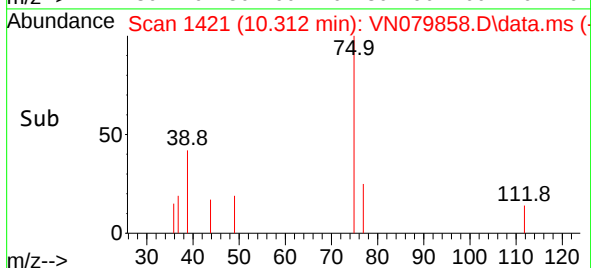
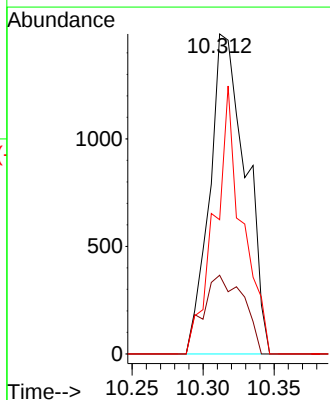
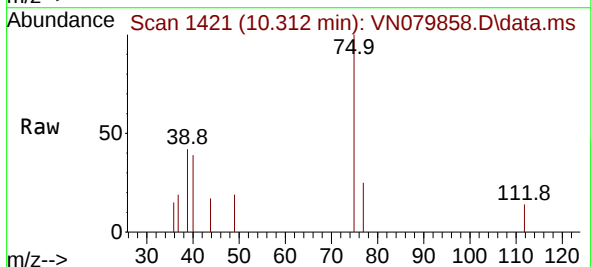
Manual Integrations
 APPROVED

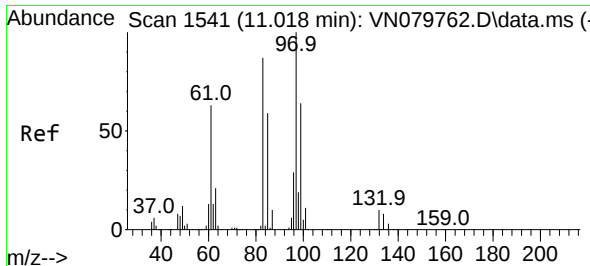
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#54
 cis-1,3-Dichloropropene
 Concen: 0.475 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

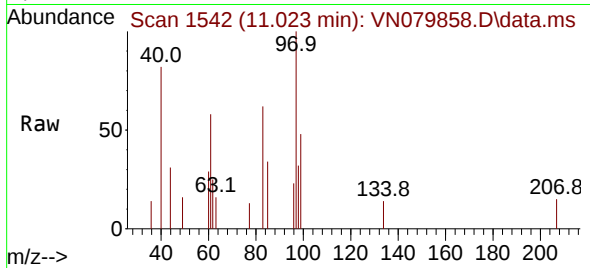
Tgt Ion: 75 Resp: 2632
 Ion Ratio Lower Upper
 75 100
 77 24.6 26.1 39.1#
 39 41.9 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 0.604 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

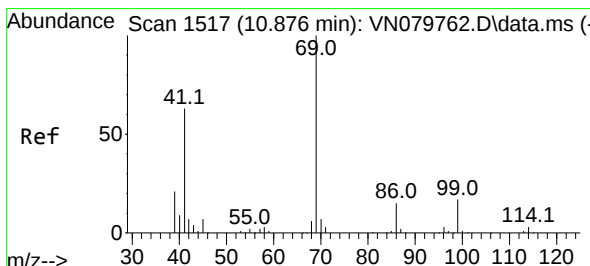
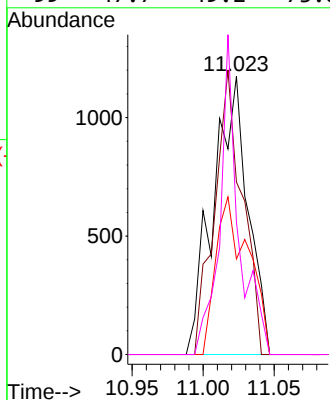
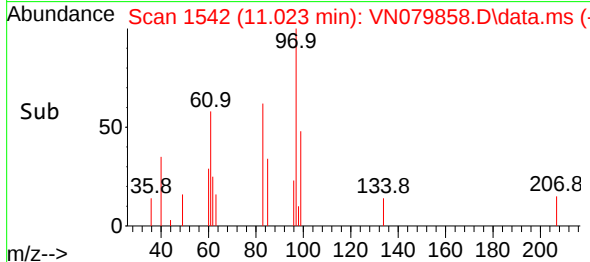
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



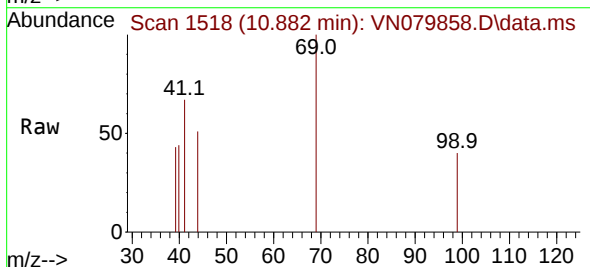
Tgt Ion:	97	Resp:	200
Ion	Ratio	Lower	Upper
97	100		
83	62.0	65.1	97.7
85	34.3	43.4	65.2
99	47.7	49.2	73.8

Manual Integrations
APPROVED

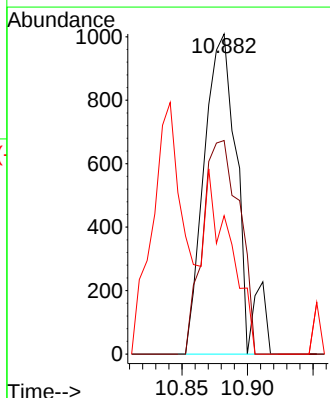
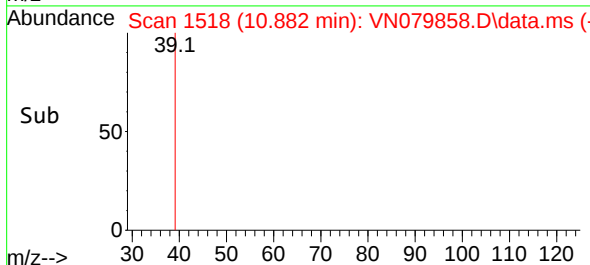
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#56
Ethyl methacrylate
Concen: 0.383 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



Tgt Ion:	69	Resp:	1814
Ion	Ratio	Lower	Upper
69	100		
41	72.8	39.6	59.4
39	41.5	28.6	43.0





#57

1,3-Dichloropropane

Concen: 0.504 ug/l

RT: 11.176 min Scan# 1566

Delta R.T. 0.012 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

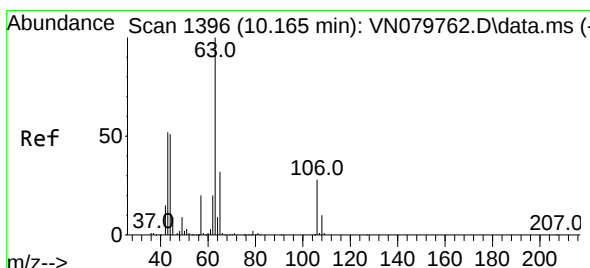
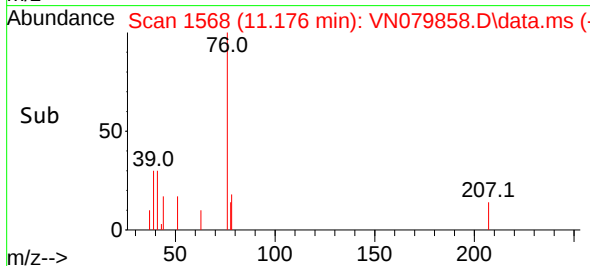
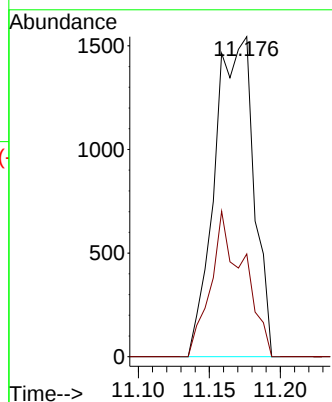
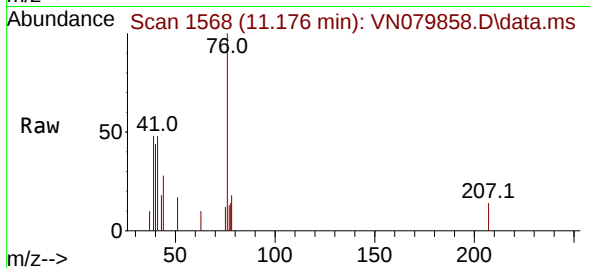
Tgt Ion: 76 Resp: 2950
 Ion Ratio Lower Upper
 76 100
 78 38.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#58

2-Chloroethyl Vinyl ether

Concen: 2.080 ug/l

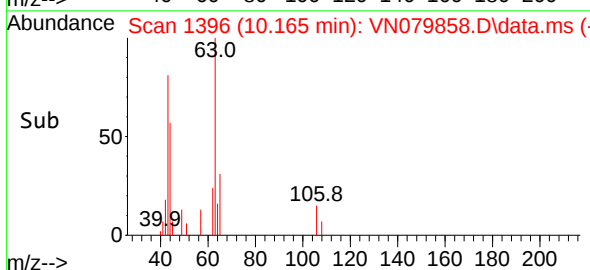
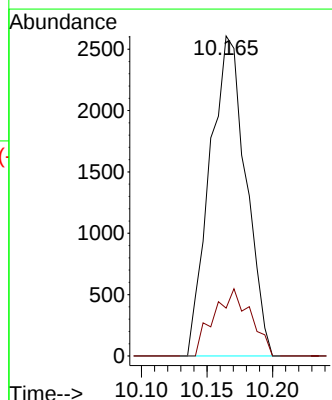
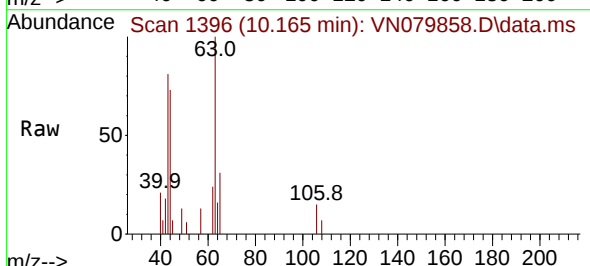
RT: 10.165 min Scan# 1396

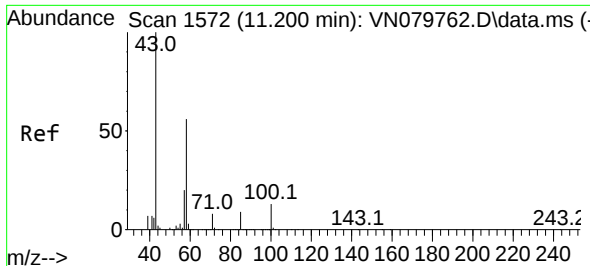
Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

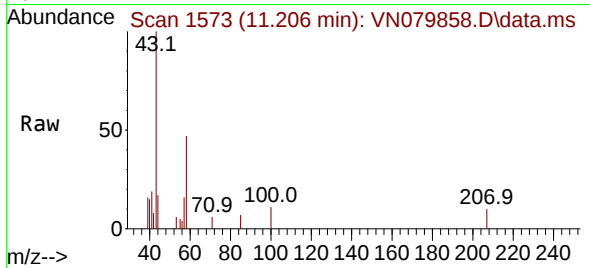
Tgt Ion: 63 Resp: 4996
 Ion Ratio Lower Upper
 63 100
 106 21.4 26.2 39.4#





#59
2-Hexanone
Concen: 2.046 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

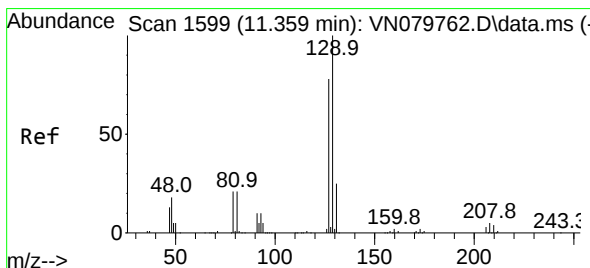
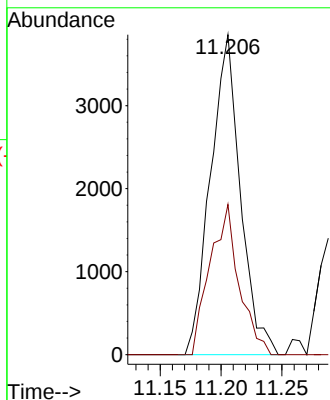
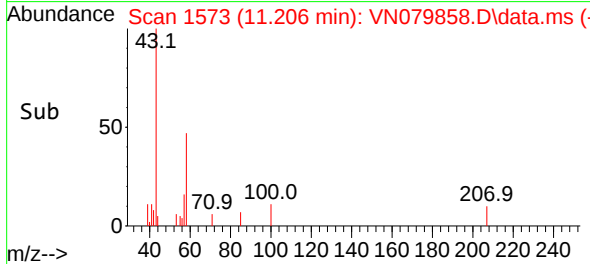
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 45.8 31.7 95.1

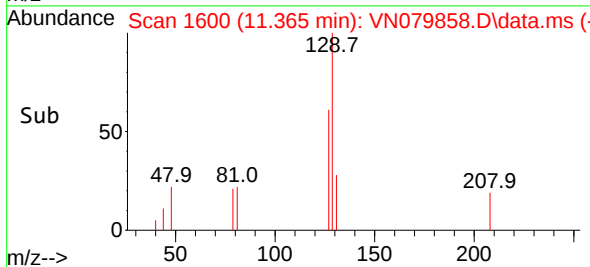
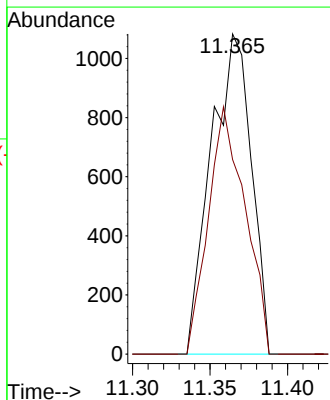
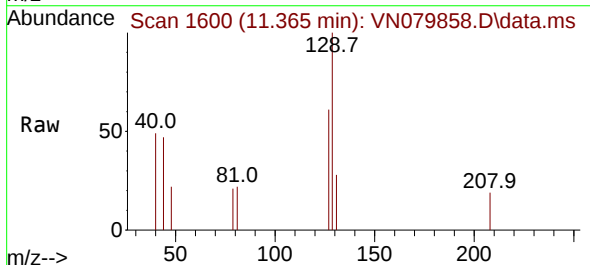
Manual Integrations
APPROVED

Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#60
Dibromochloromethane
Concen: 0.550 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

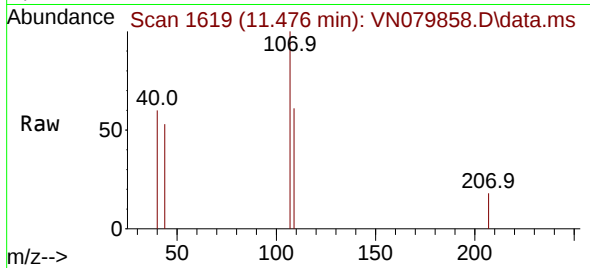
Tgt Ion:129 Resp: 1957
Ion Ratio Lower Upper
129 100
127 70.7 38.6 116.0





#61
1,2-Dibromoethane
Concen: 0.483 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

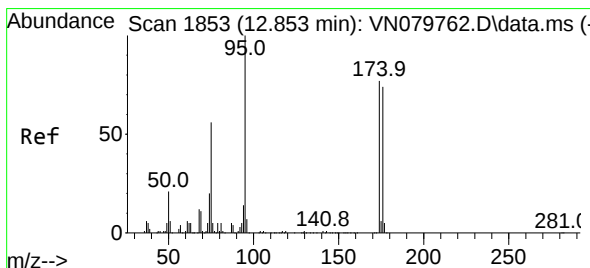
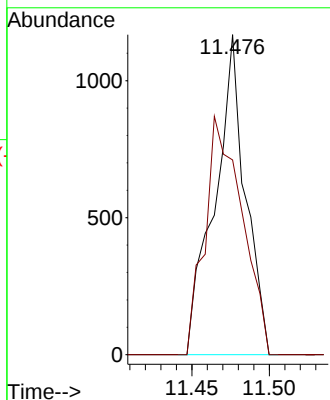
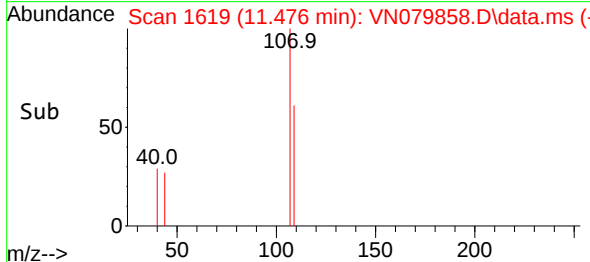
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



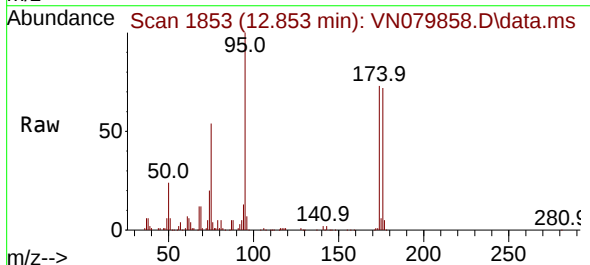
Tgt Ion: 107 Resp: 1609
Ion Ratio Lower Upper
107 100
109 89.9 76.6 114.8

Manual Integrations
APPROVED

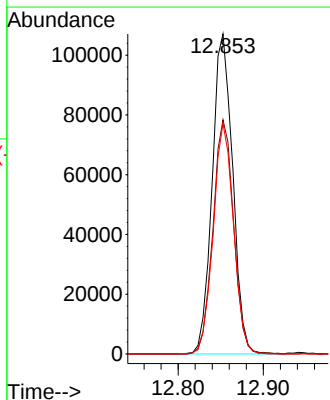
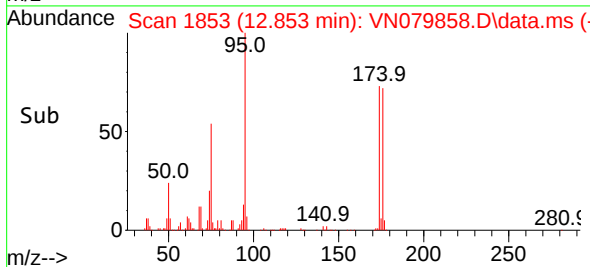
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

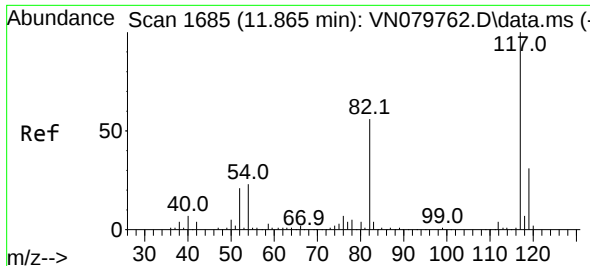


#62
4-Bromofluorobenzene
Concen: 45.011 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



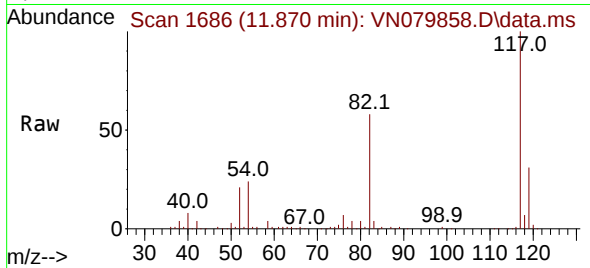
Tgt Ion: 95 Resp: 179011
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.8
176 71.2 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

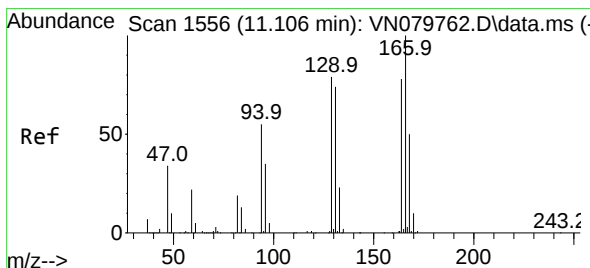
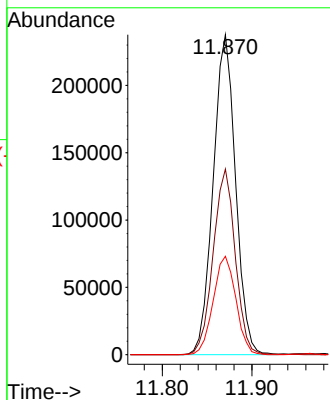
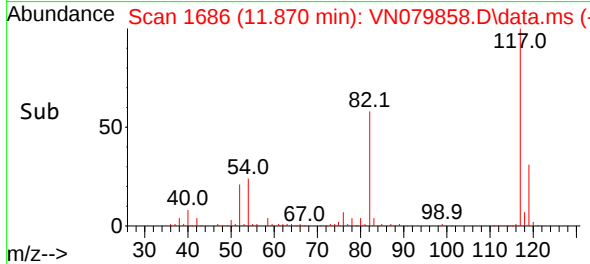
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:117 Resp: 41105
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 30.8 25.6 38.4

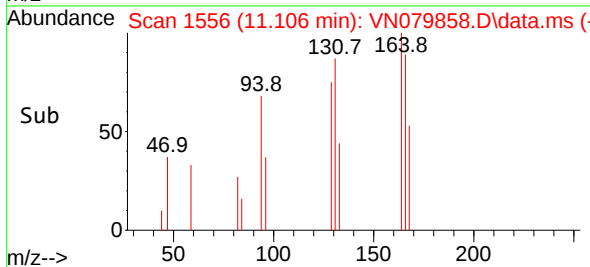
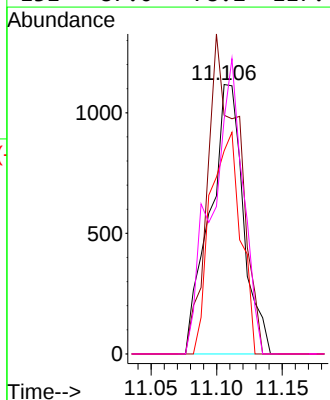
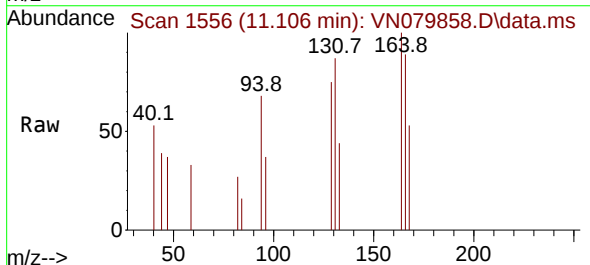
Manual Integrations
APPROVED

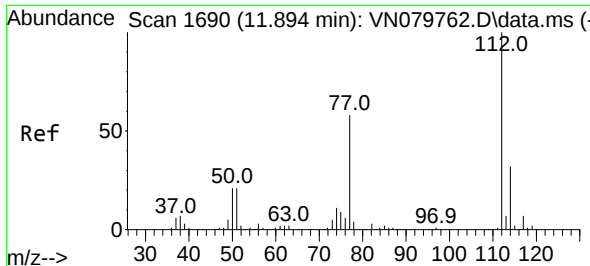
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#64
Tetrachloroethene
Concen: 0.746 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

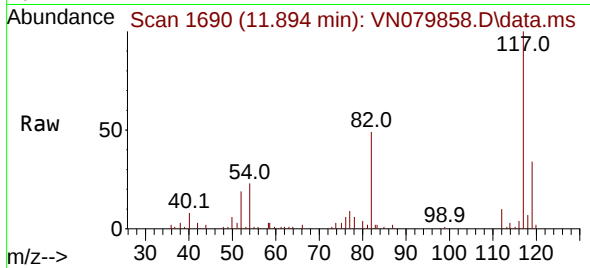
Tgt Ion:164 Resp: 1987
Ion Ratio Lower Upper
164 100
166 88.6 101.4 152.0#
129 75.4 82.4 123.6#
131 87.0 78.2 117.4





#65
Chlorobenzene
Concen: 0.509 ug/l
RT: 11.894 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

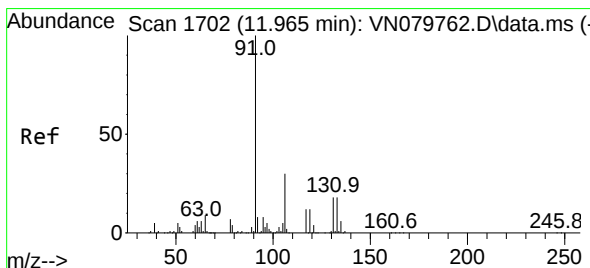
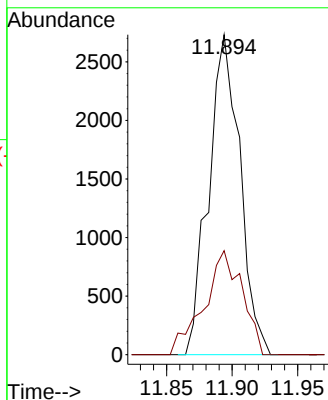
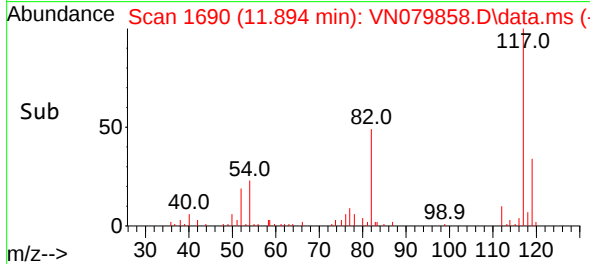
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



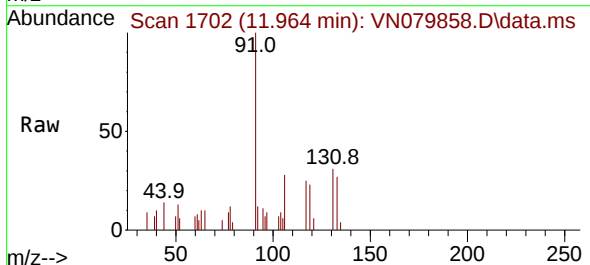
Tgt Ion:112 Resp: 4539
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.4

Manual Integrations
APPROVED

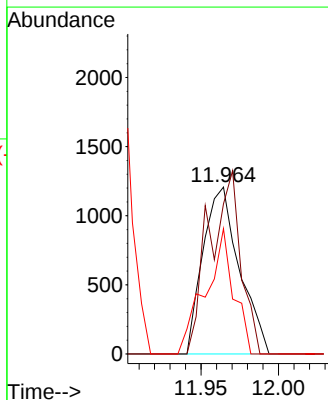
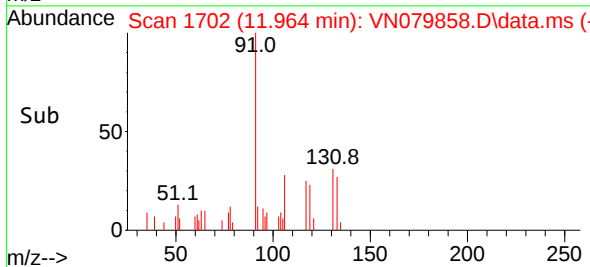
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

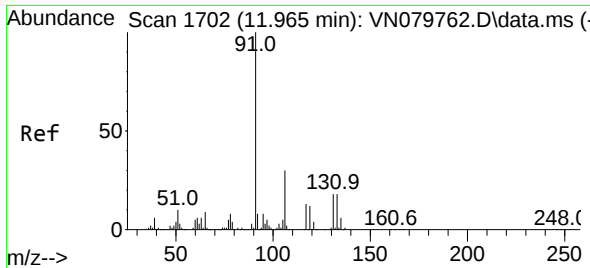


#66
1,1,1,2-Tetrachloroethane
Concen: 0.614 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



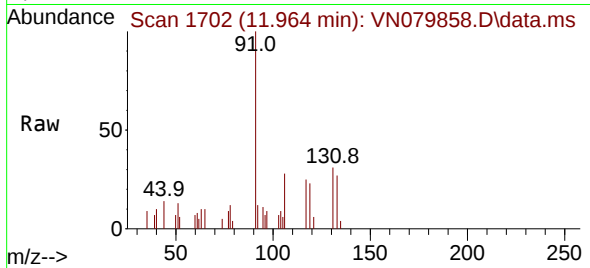
Tgt Ion:131 Resp: 1972
Ion Ratio Lower Upper
131 100
133 95.3 46.4 139.1
119 0.0 34.1 102.2#





#67
Ethyl Benzene
Concen: 0.450 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

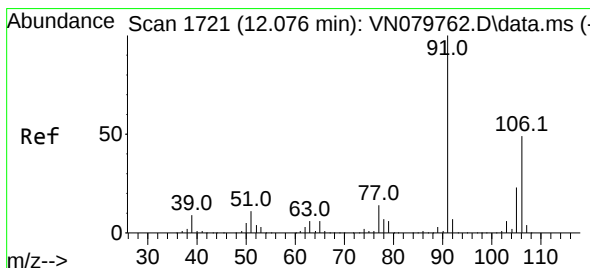
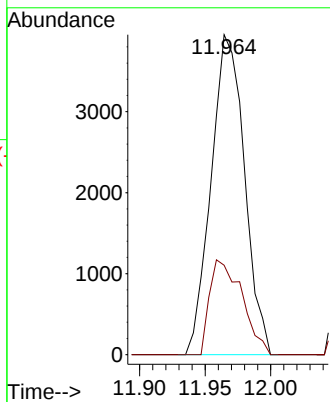
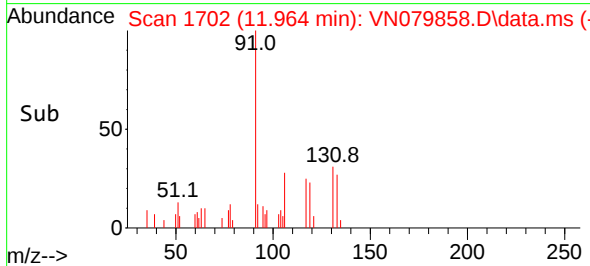
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



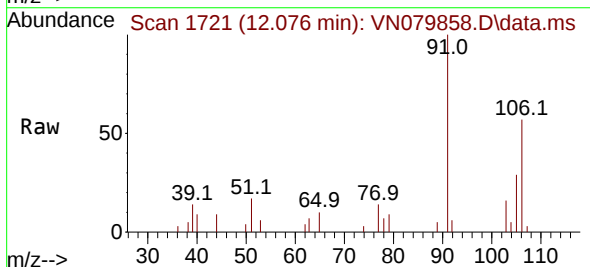
Tgt Ion: 91 Resp: 6990
Ion Ratio Lower Upper
91 100
106 28.0 25.6 38.4

Manual Integrations
APPROVED

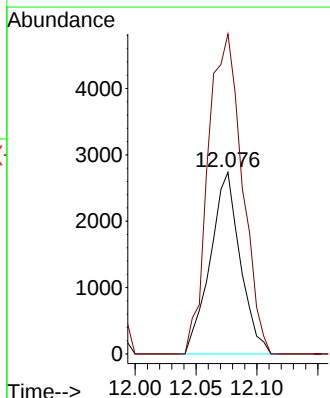
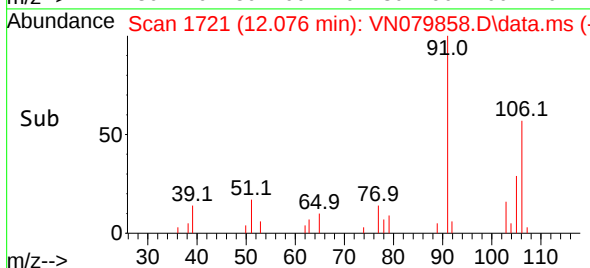
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

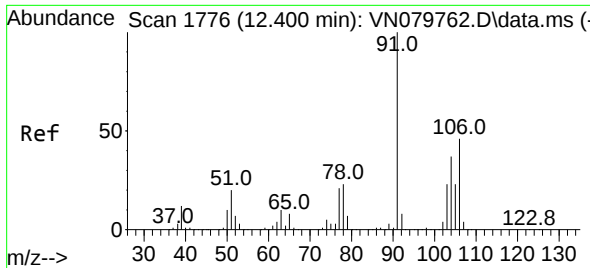


#68
m/p-Xylenes
Concen: 0.811 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



Tgt Ion:106 Resp: 4695
Ion Ratio Lower Upper
106 100
91 200.3 159.6 239.4





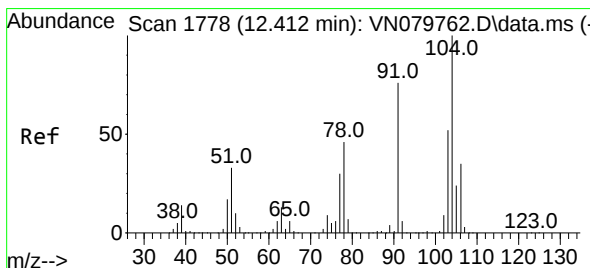
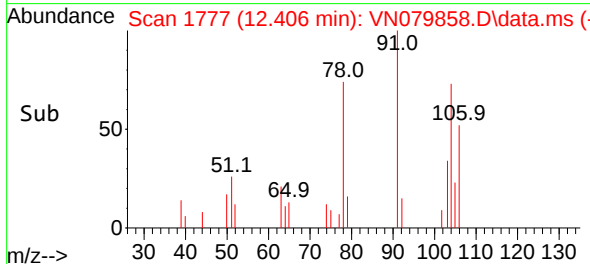
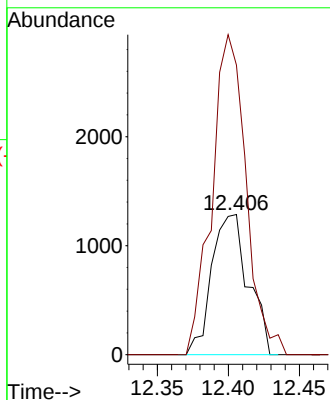
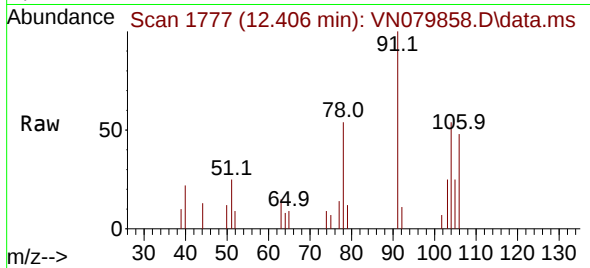
#69
o-Xylene
Concen: 0.414 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:106 Resp: 2308
Ion Ratio Lower Upper
106 100
91 213.1 105.2 315.5

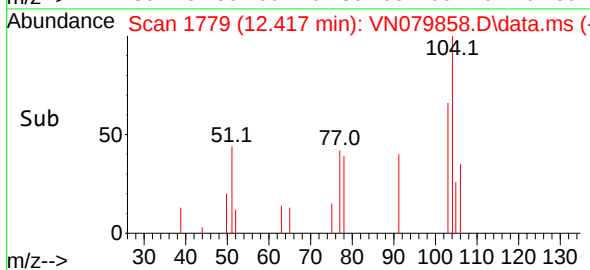
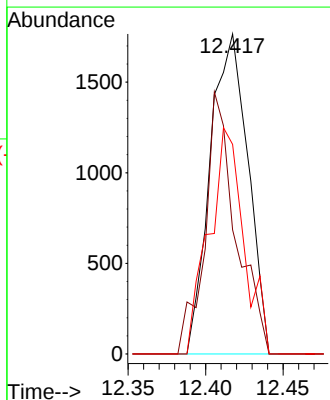
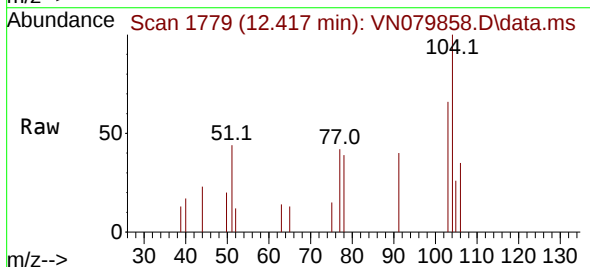
Manual Integrations
APPROVED

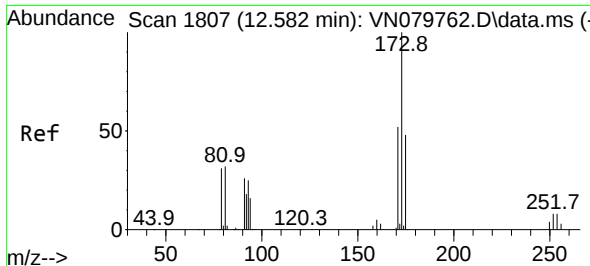
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#70
Styrene
Concen: 0.334 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

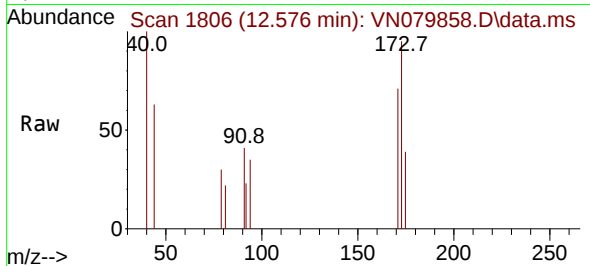
Tgt Ion:104 Resp: 2994
Ion Ratio Lower Upper
104 100
78 67.3 39.5 59.3#
103 65.2 43.2 64.8#





#71
Bromoform
Concen: 0.466 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

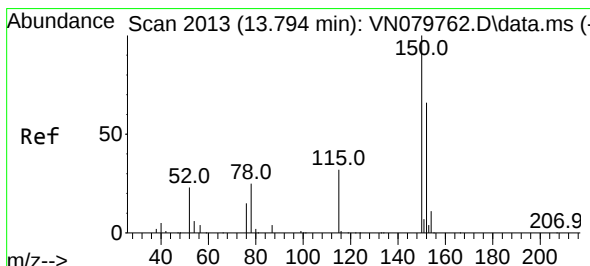
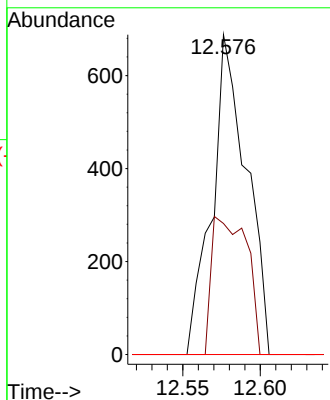
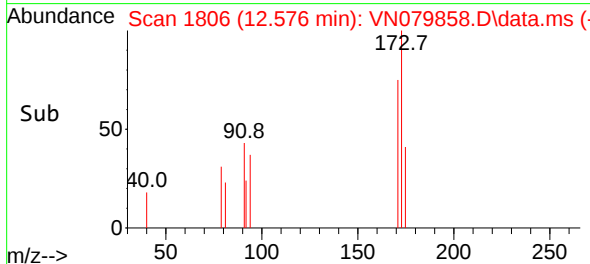
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:173 Resp: 1064
Ion Ratio Lower Upper
173 100
175 44.0 24.3 73.0
254 0.0 0.0 0.0

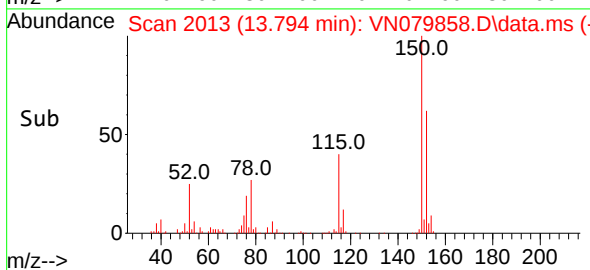
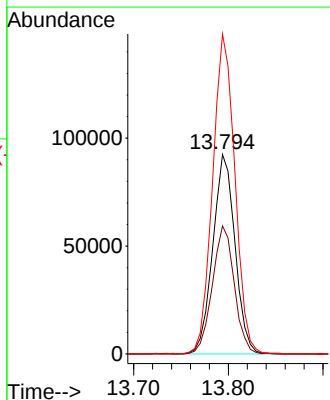
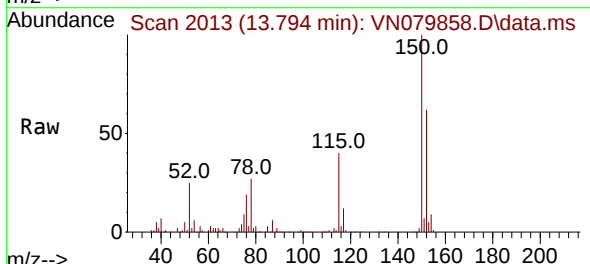
Manual Integrations
APPROVED

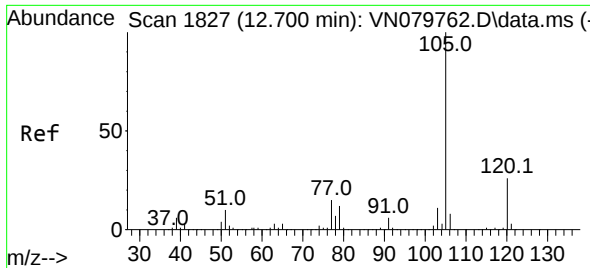
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:152 Resp: 150713
Ion Ratio Lower Upper
152 100
115 63.5 32.3 96.8
150 161.1 0.0 355.8





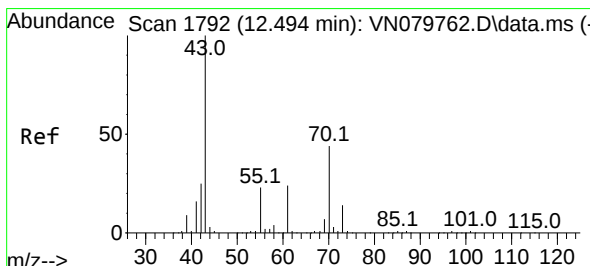
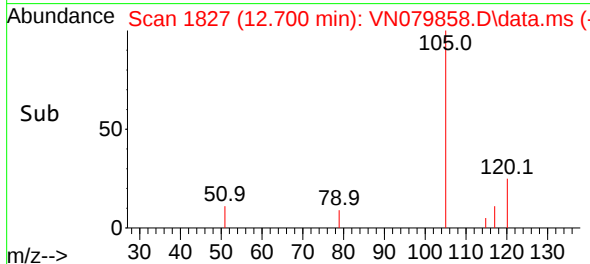
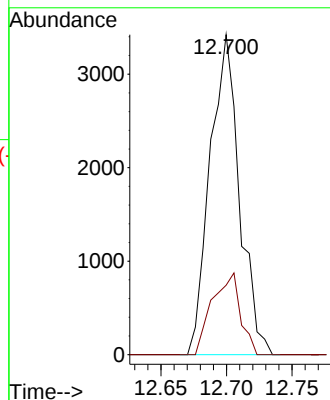
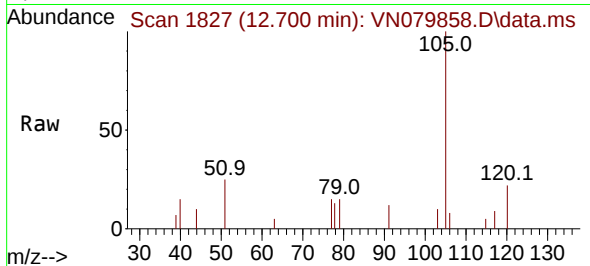
#73
Isopropylbenzene
Concen: 0.467 ug/l
RT: 12.700 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:105 Resp: 534
Ion Ratio Lower Upper
105 100
120 24.3 13.1 39.1

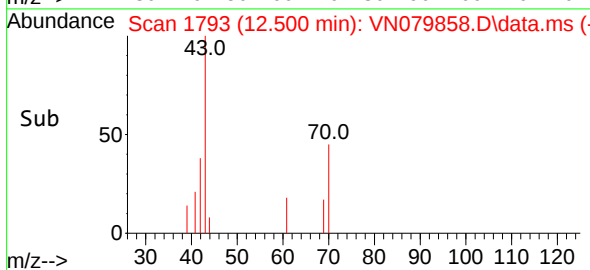
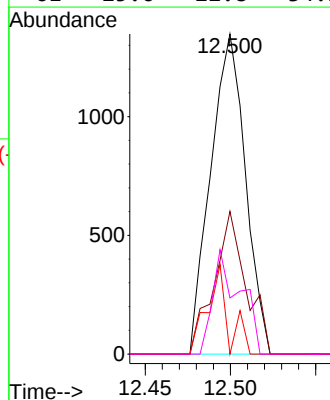
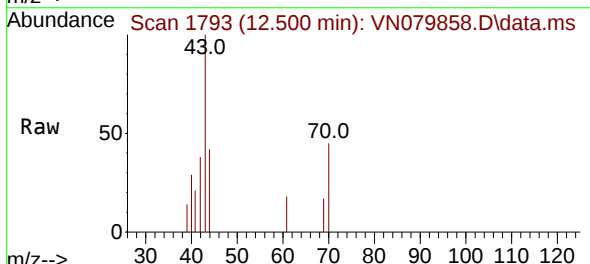
Manual Integrations
APPROVED

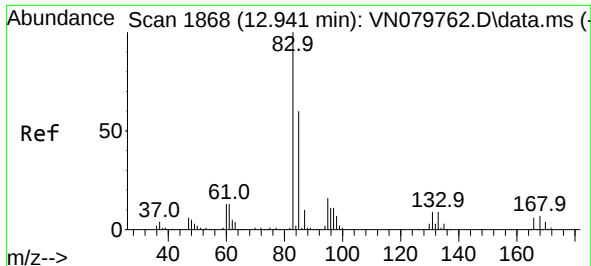
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#74
N-ethyl acetate
Concen: 0.383 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

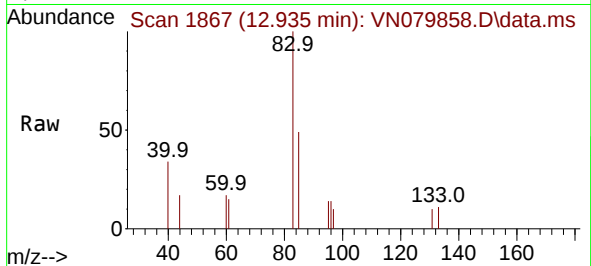
Tgt Ion: 43 Resp: 1912
Ion Ratio Lower Upper
43 100
70 41.1 43.4 65.2#
55 16.8 21.4 32.0#
61 25.6 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 0.727 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

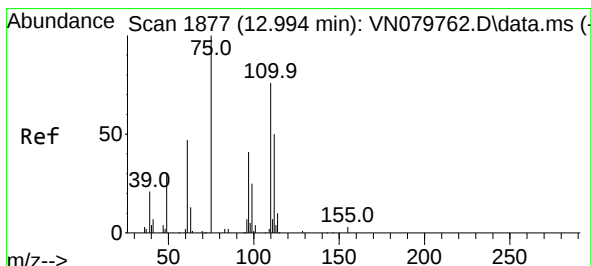
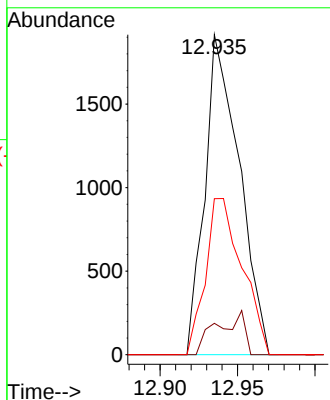
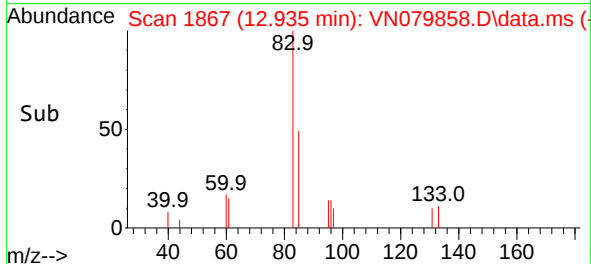
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 83 Resp: 294
Ion Ratio Lower Upper
83 100
131 10.9 5.0 15.0
85 52.0 31.9 95.7

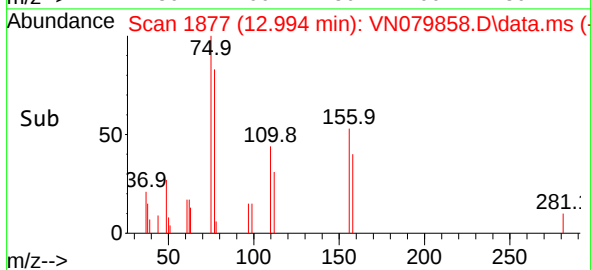
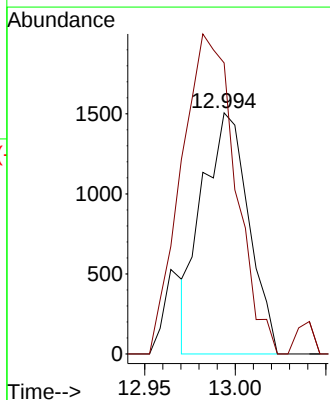
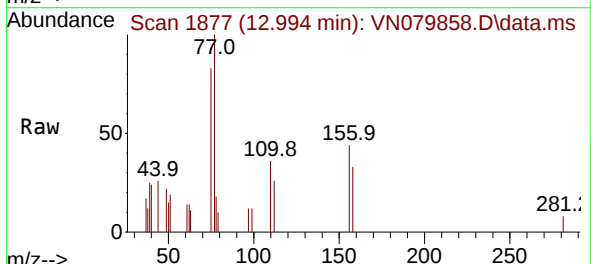
Manual Integrations
APPROVED

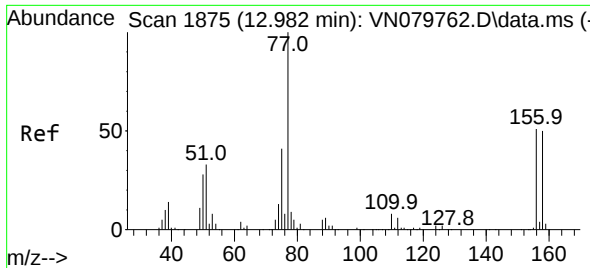
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#76
1,2,3-Trichloropropane
Concen: 0.759 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 75 Resp: 2687
Ion Ratio Lower Upper
75 100
77 154.7 84.5 253.5





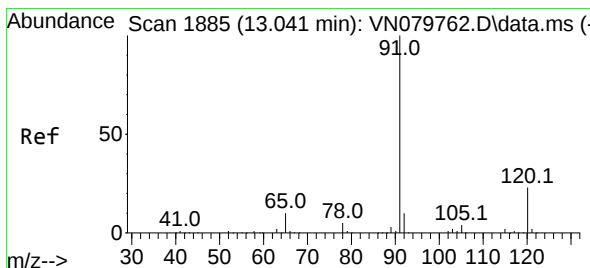
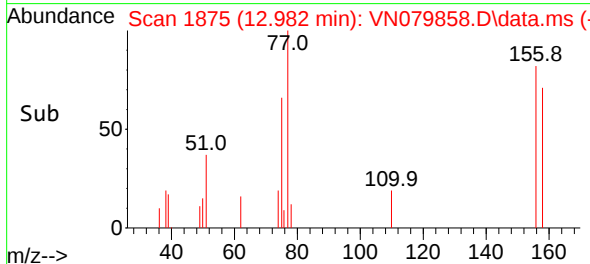
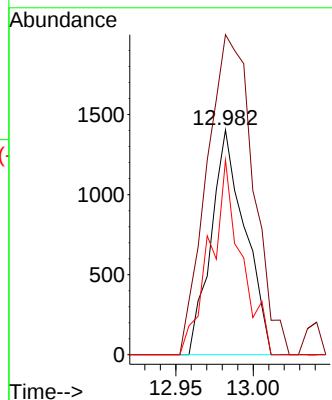
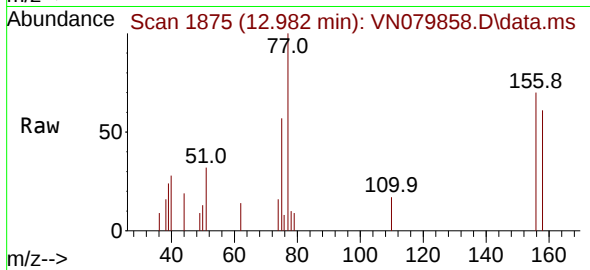
#77
Bromobenzene
Concen: 0.762 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:156 Resp: 213
Ion Ratio Lower Upper
156 100
77 194.9 107.7 323.3
158 80.1 48.4 145.3

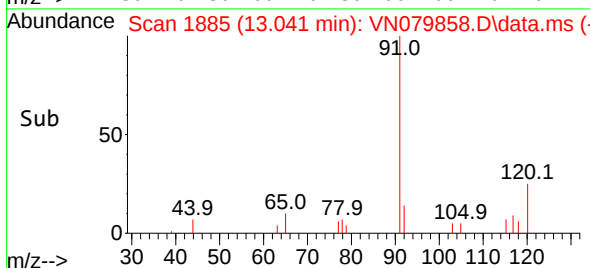
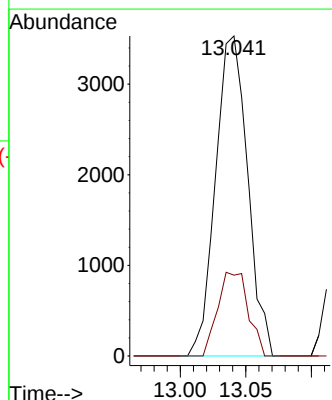
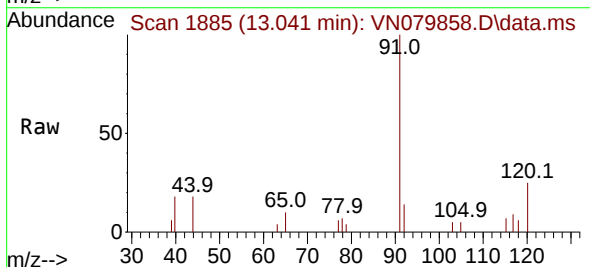
Manual Integrations
APPROVED

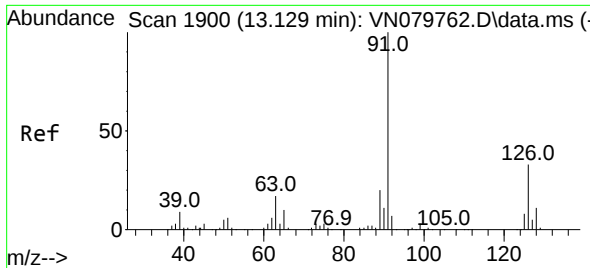
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#78
n-propylbenzene
Concen: 0.458 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 91 Resp: 6003
Ion Ratio Lower Upper
91 100
120 24.8 11.5 34.4





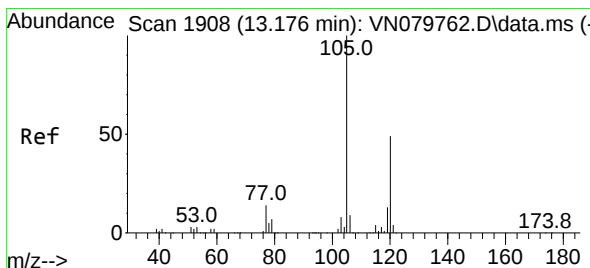
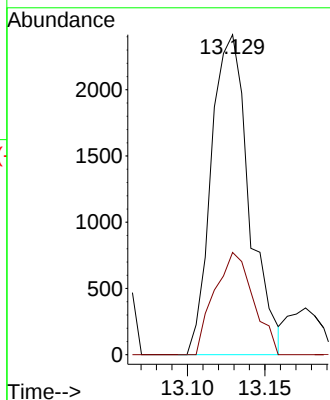
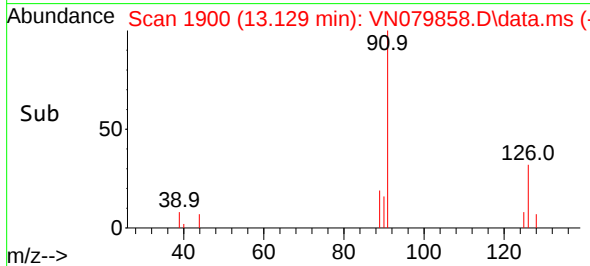
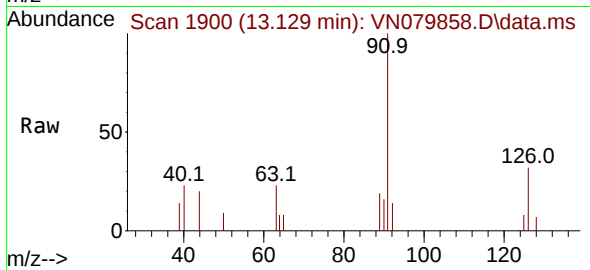
#79
2-Chlorotoluene
Concen: 0.491 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 91 Resp: 4100
Ion Ratio Lower Upper
91 100
126 32.8 16.3 48.8

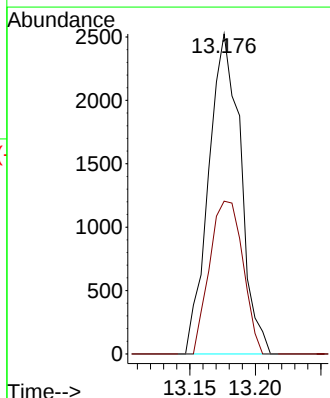
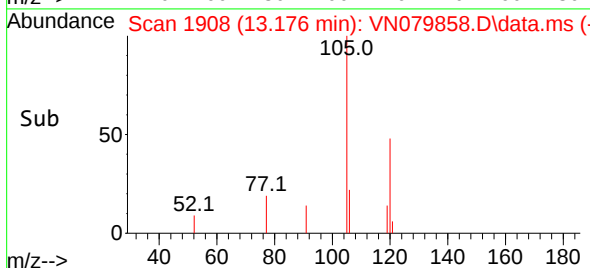
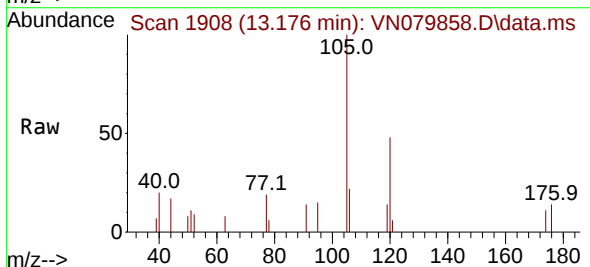
Manual Integrations
APPROVED

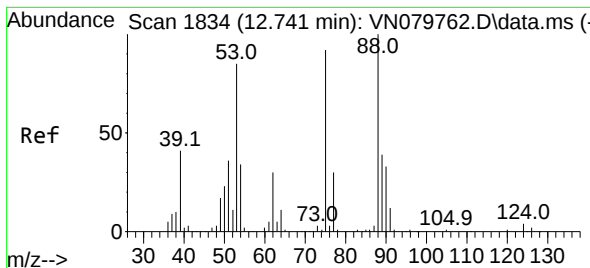
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.480 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:105 Resp: 4271
Ion Ratio Lower Upper
105 100
120 49.9 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 0.482 ug/l m

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

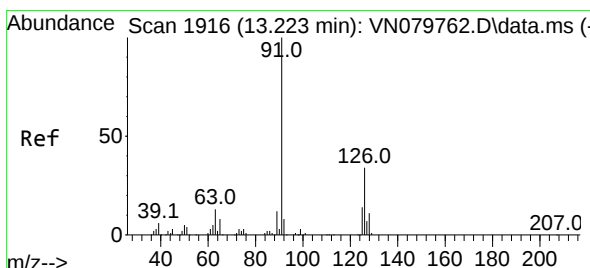
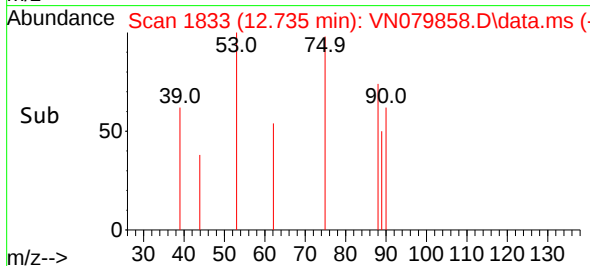
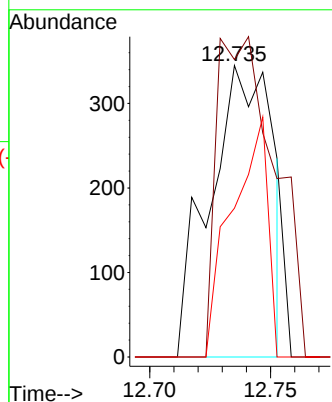
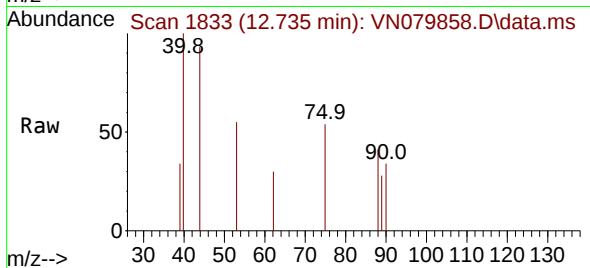
MDL-WATER-03-QT4-2023

Tgt Ion: 75 Resp: 62

Ion	Ratio	Lower	Upper
75	100		
53	36.8	67.4	101.2
89	0.0	38.8	58.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#82

4-Chlorotoluene

Concen: 0.467 ug/l

RT: 13.229 min Scan# 1917

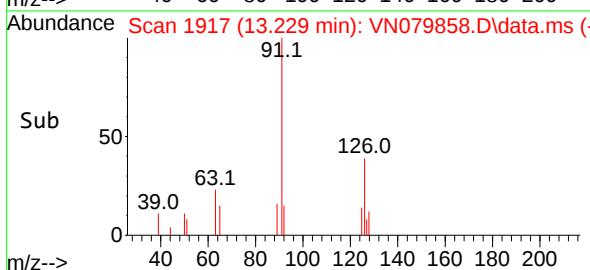
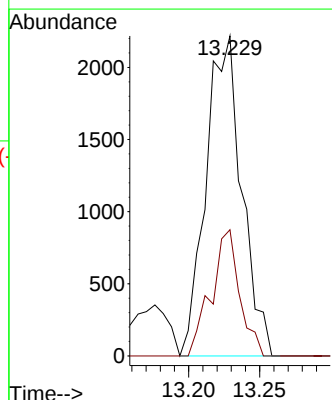
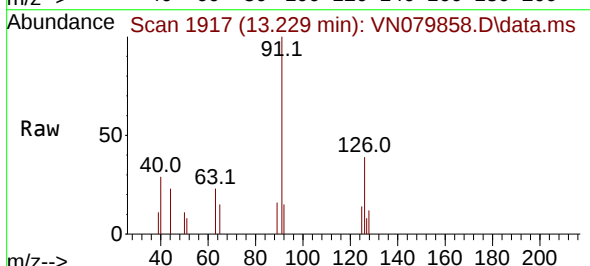
Delta R.T. 0.006 min

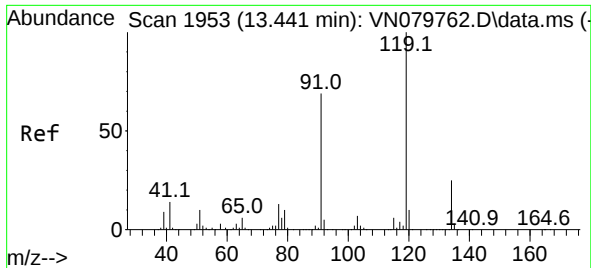
Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Tgt Ion: 91 Resp: 3881

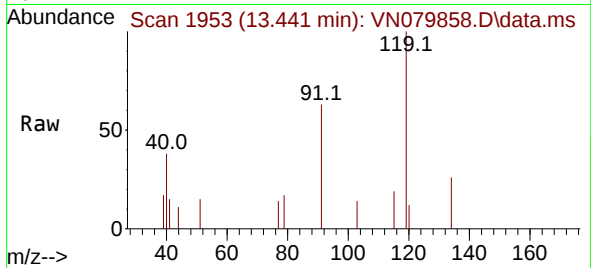
Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.7	50.0





#83
tert-Butylbenzene
Concen: 0.403 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

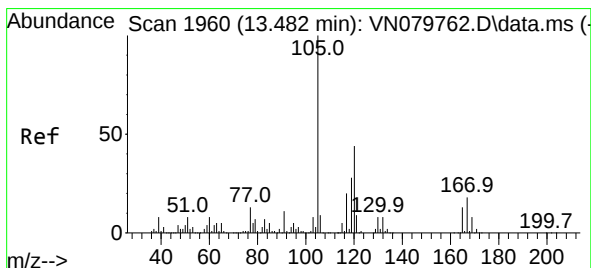
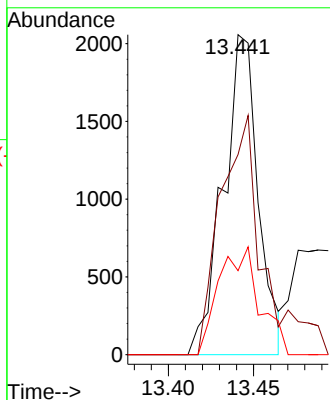
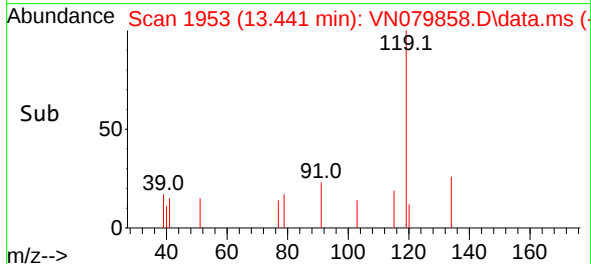
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



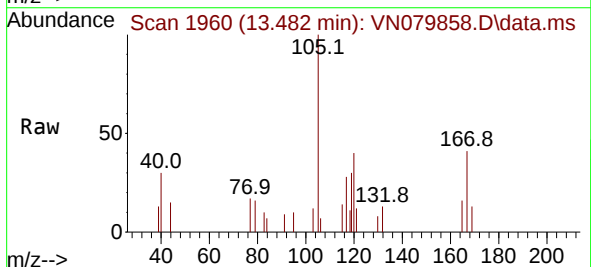
Tgt Ion:119 Resp: 2939
Ion Ratio Lower Upper
119 100
91 91.1 33.9 101.7
134 39.3 13.2 39.6

Manual Integrations
APPROVED

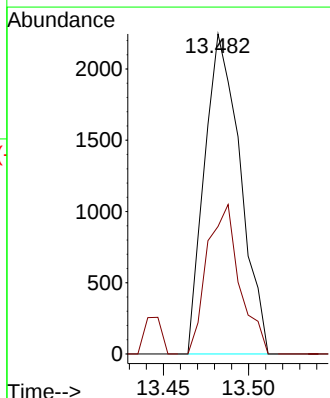
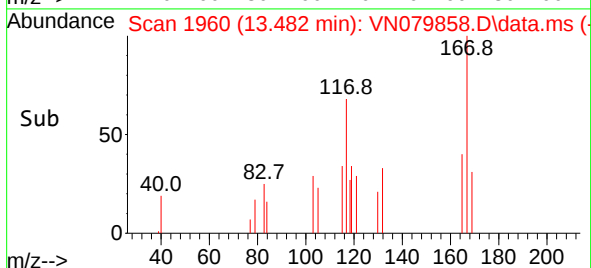
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

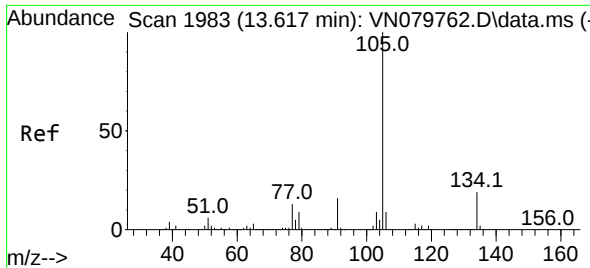


#84
1,2,4-Trimethylbenzene
Concen: 0.373 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



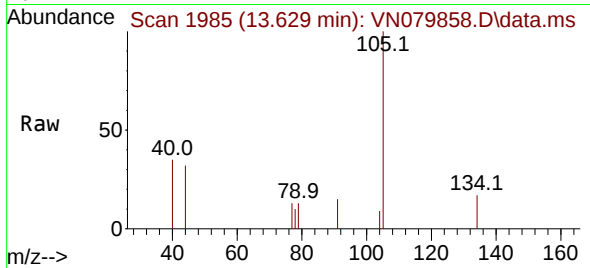
Tgt Ion:105 Resp: 3270
Ion Ratio Lower Upper
105 100
120 42.8 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 0.363 ug/l
 RT: 13.629 min Scan# 1985
 Delta R.T. 0.012 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

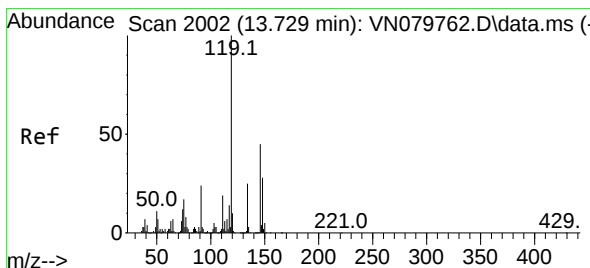
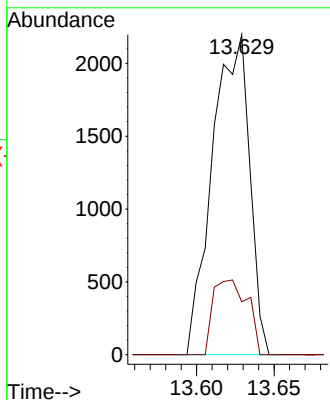
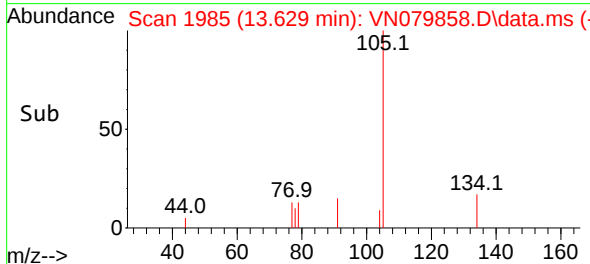
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion:105 Resp: 3660
 Ion Ratio Lower Upper
 105 100
 134 21.6 9.8 29.3

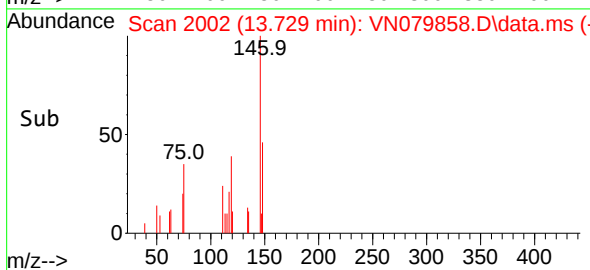
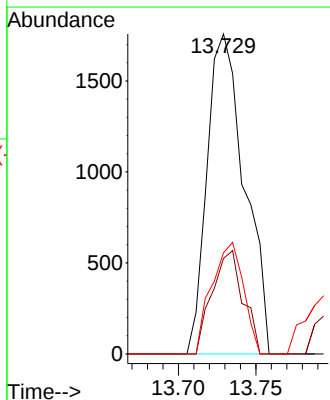
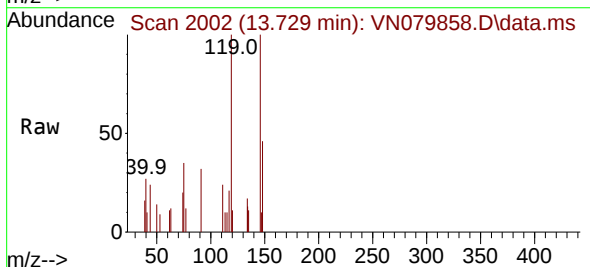
Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#86
 p-Isopropyltoluene
 Concen: 0.359 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN079858.D
 Acq: 03 Nov 2023 18:51

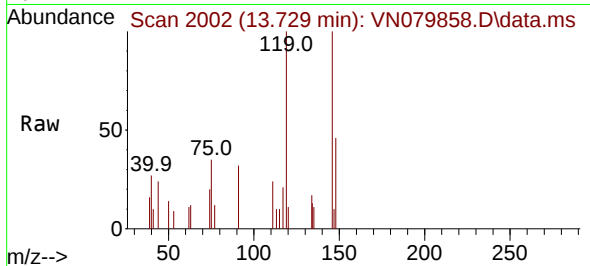
Tgt Ion:119 Resp: 2957
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.6 37.8
 91 29.4 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 0.547 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

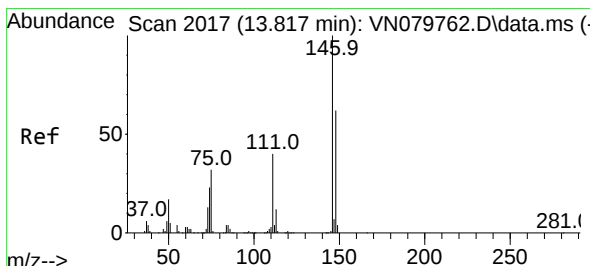
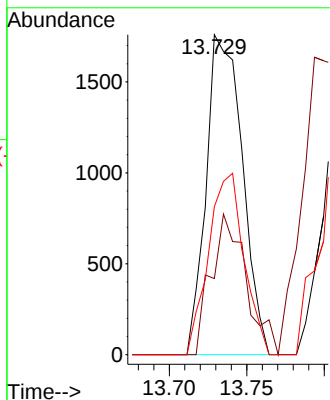
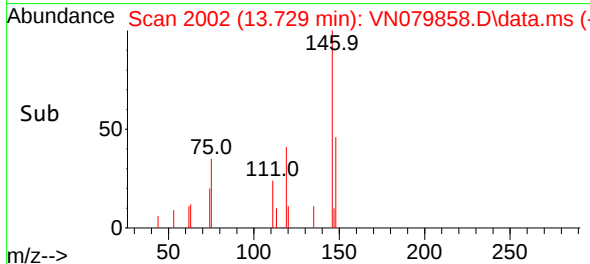
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:146 Resp: 2852
Ion Ratio Lower Upper
146 100
111 42.5 22.1 66.3
148 55.6 32.0 96.0

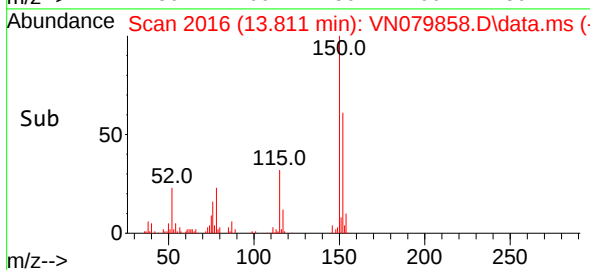
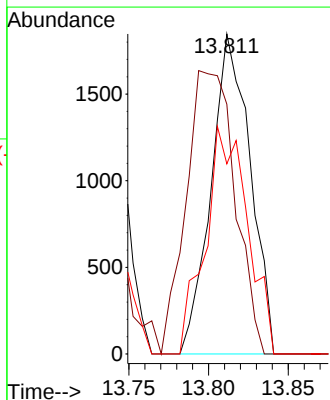
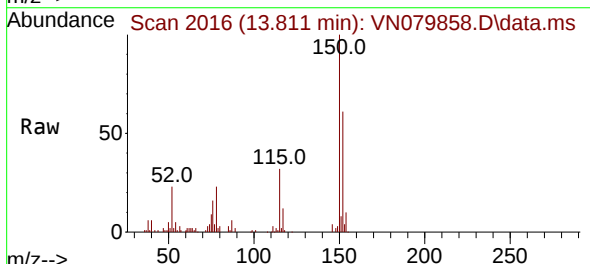
Manual Integrations
APPROVED

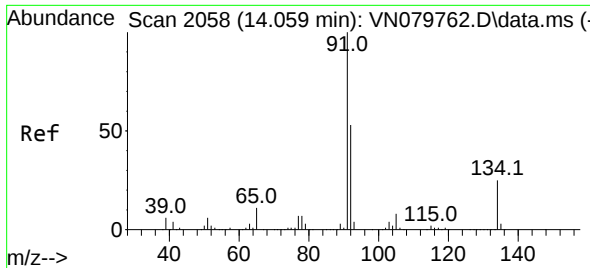
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#88
1,4-Dichlorobenzene
Concen: 0.595 ug/l m
RT: 13.811 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:146 Resp: 3148
Ion Ratio Lower Upper
146 100
111 38.5 20.6 61.8
148 50.4 31.6 94.8





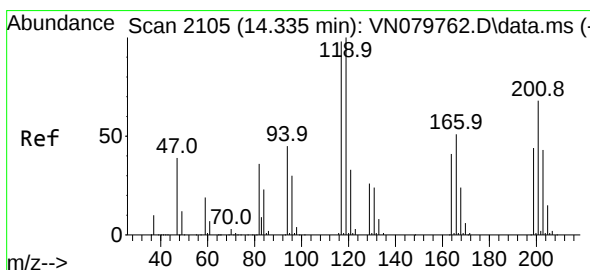
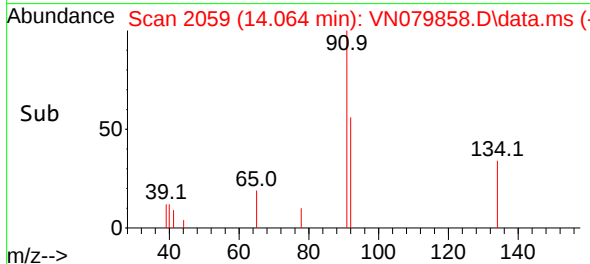
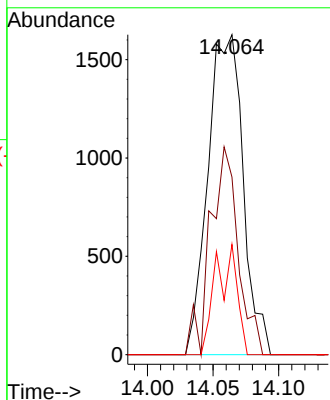
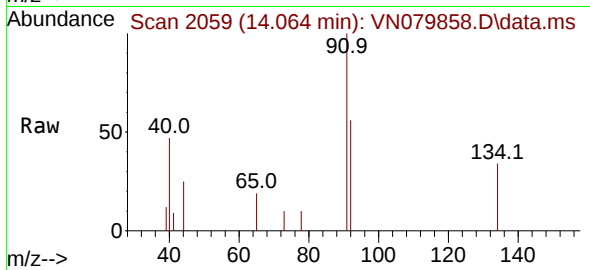
#89
n-Butylbenzene
Concen: 0.428 ug/l
RT: 14.064 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 91 Resp: 3030
Ion Ratio Lower Upper
91 100
92 51.4 26.4 79.0
134 20.7 12.6 37.6

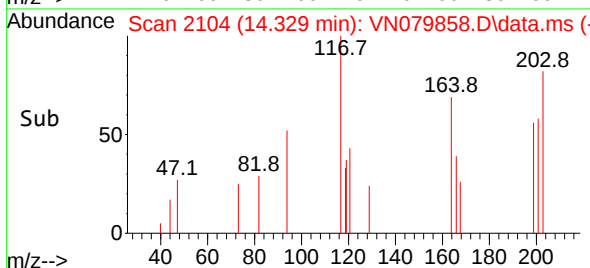
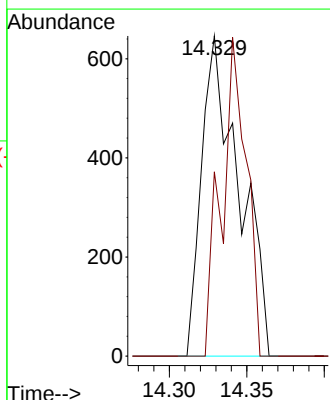
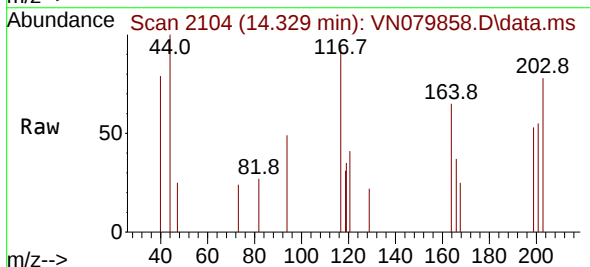
Manual Integrations
APPROVED

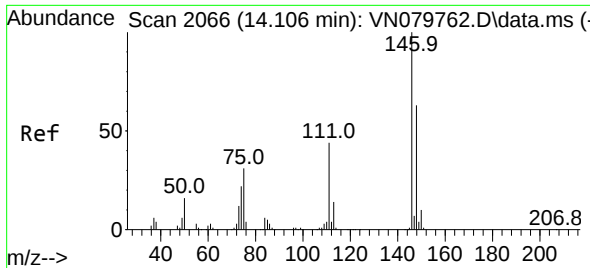
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#90
Hexachloroethane
Concen: 0.665 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.006 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion:117 Resp: 1083
Ion Ratio Lower Upper
117 100
201 66.3 29.3 88.0





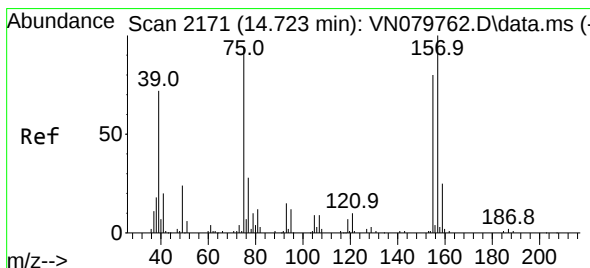
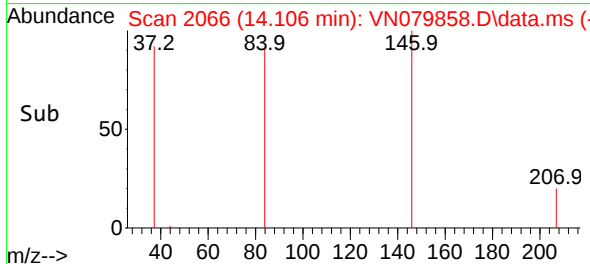
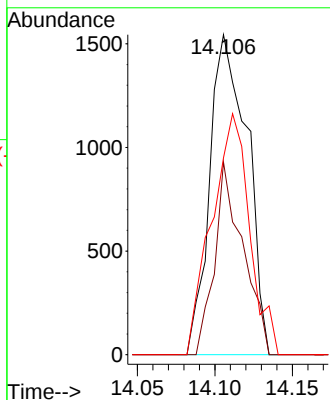
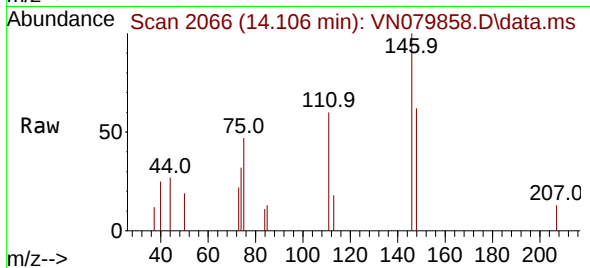
#91
1,2-Dichlorobenzene
Concen: 0.527 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:146 Resp: 259
Ion Ratio Lower Upper
146 100
111 45.6 22.0 66.0
148 76.3 31.8 95.3

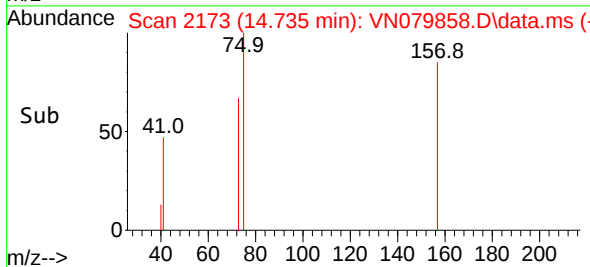
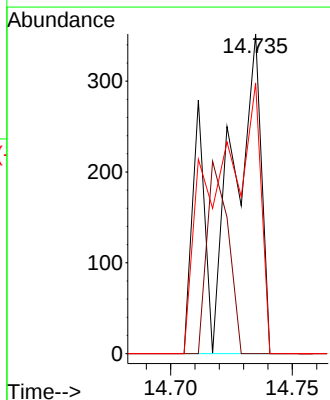
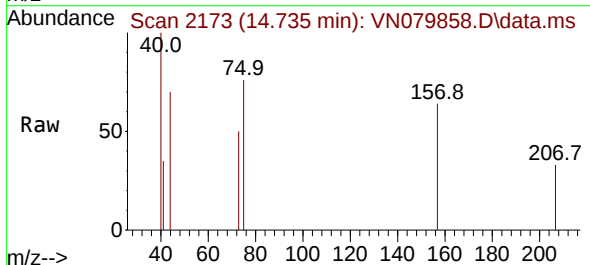
Manual Integrations
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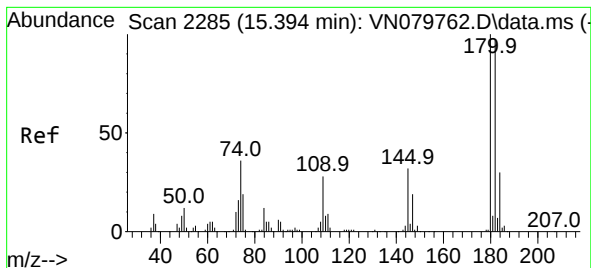
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.535 ug/l m
RT: 14.735 min Scan# 2173
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

Tgt Ion: 75 Resp: 368
Ion Ratio Lower Upper
75 100
155 34.8 39.1 117.2#
157 0.0 50.3 150.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.473 ug/l

RT: 15.394 min Scan# 2100

Delta R.T. -0.000 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

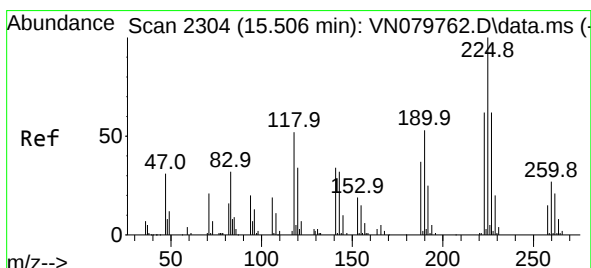
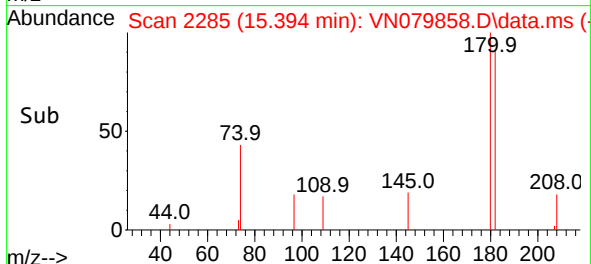
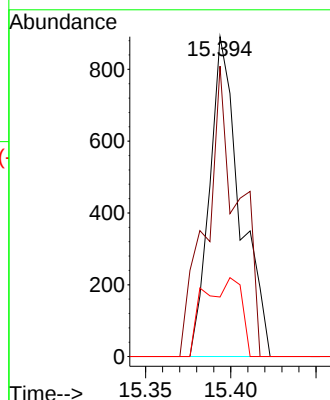
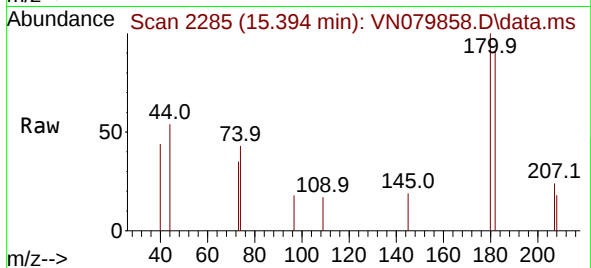
Tgt Ion:180	Resp:	1100
Ion Ratio	Lower	Upper
180	100	
182	96.3	46.1 138.2
145	30.2	16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#94

Hexachlorobutadiene

Concen: 0.508 ug/l

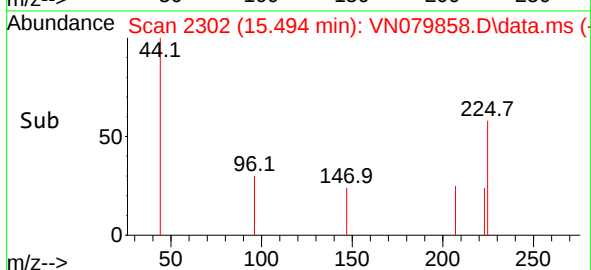
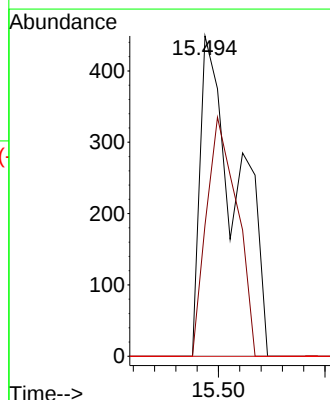
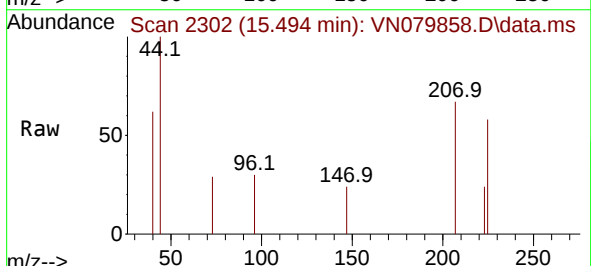
RT: 15.494 min Scan# 2302

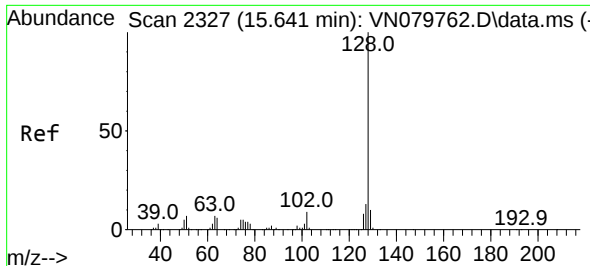
Delta R.T. -0.012 min

Lab File: VN079858.D

Acq: 03 Nov 2023 18:51

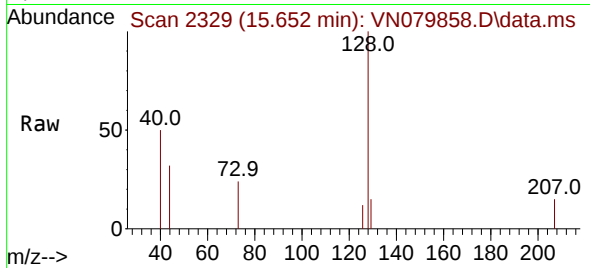
Tgt Ion:225	Resp:	539
Ion Ratio	Lower	Upper
225	100	
223	62.2	31.3 93.8
227	0.0	31.9 95.9#





#95
Naphthalene
Concen: 0.317 ug/l m
RT: 15.652 min Scan# 2329
Delta R.T. 0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51

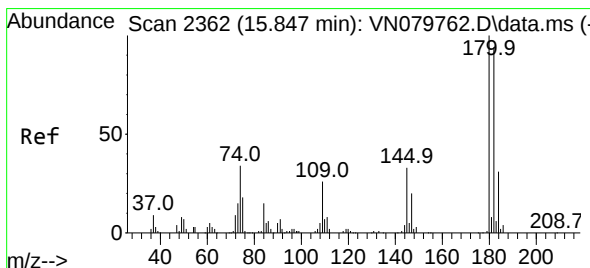
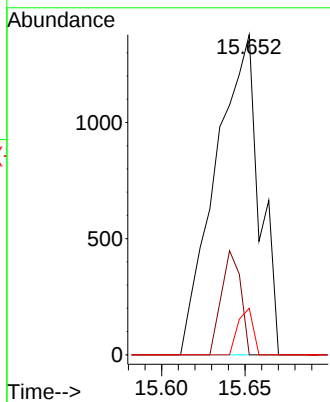
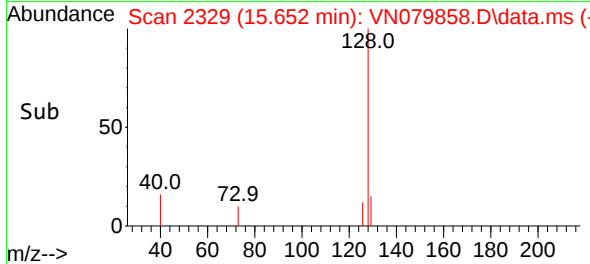
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



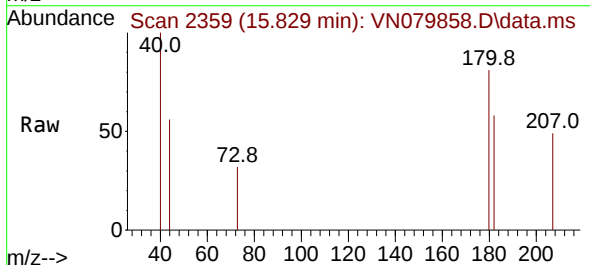
Tgt Ion:128 Resp: 251
Ion Ratio Lower Upper
128 100
127 14.3 10.0 15.0
129 5.0 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.486 ug/l m
RT: 15.829 min Scan# 2359
Delta R.T. -0.012 min
Lab File: VN079858.D
Acq: 03 Nov 2023 18:51



Tgt Ion:180 Resp: 1113
Ion Ratio Lower Upper
180 100
182 86.7 46.2 138.6
145 0.0 17.5 52.6

