

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077713.D
 Acq On : 17 May 2023 14:56
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: May 18 02:42:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 02:40:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/18/2023
 Supervised By : Mahesh Dadoda 05/18/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	381732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	710568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	604980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	253070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	297975	52.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	8.171	113	231539	49.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.940%			
50) Toluene-d8	10.571	98	907600	50.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.853	95	294180	46.703	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	10758	2.476	ug/l	85
3) Chloromethane	2.365	50	13728	2.636	ug/l	91
4) Vinyl Chloride	2.518	62	14115	2.577	ug/l	94
5) Bromomethane	2.965	94	12857	3.174	ug/l	93
6) Chloroethane	3.124	64	10420	2.640	ug/l	89
7) Trichlorofluoromethane	3.506	101	21071	2.760	ug/l	100
8) Diethyl Ether	3.965	74	7542	2.706	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.383	101	13421	3.177	ug/l #	81
10) Methyl Iodide	4.589	142	13406	2.661	ug/l #	83
11) Tert butyl alcohol	5.542	59	10999	13.953	ug/l #	79
12) 1,1-Dichloroethene	4.348	96	11986	2.985	ug/l	87
13) Acrolein	4.195	56	8915	15.904	ug/l	100
14) Allyl chloride	5.030	41	15489	2.626	ug/l #	87
15) Acrylonitrile	5.730	53	26782	12.717	ug/l #	89
16) Acetone	4.436	43	21397	11.907	ug/l	99
17) Carbon Disulfide	4.718	76	26058	2.409	ug/l #	89
18) Methyl Acetate	5.036	43	18643	2.473	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	39204	2.698	ug/l	93
20) Methylene Chloride	5.283	84	14921	2.772	ug/l #	84
21) trans-1,2-Dichloroethene	5.806	96	11523	2.555	ug/l	97
22) Diisopropyl ether	6.677	45	35701	2.582	ug/l #	91
23) Vinyl Acetate	6.612	43	99965	11.670	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	22315	2.635	ug/l #	92
25) 2-Butanone	7.494	43	33235	11.823	ug/l #	70
26) 2,2-Dichloropropane	7.494	77	17944	2.494	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	13697	2.533	ug/l	89
28) Bromochloromethane	7.818	49	9522	2.600	ug/l #	89
29) Tetrahydrofuran	7.853	42	21957	11.929	ug/l	86
30) Chloroform	7.971	83	25478	2.735	ug/l	84
31) Cyclohexane	8.265	56	27114	3.493	ug/l #	86
32) 1,1,1-Trichloroethane	8.177	97	21731	2.743	ug/l #	78
36) 1,1-Dichloropropene	8.371	75	16645	2.456	ug/l	97
37) Ethyl Acetate	7.565	43	16556	2.741	ug/l #	87
38) Carbon Tetrachloride	8.365	117	17235	2.518	ug/l	97
39) Methylcyclohexane	9.606	83	19943	2.404	ug/l #	83
40) Benzene	8.612	78	51125	2.556	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	8727	2.713	ug/l	87
42) 1,2-Dichloroethane	8.677	62	18530	2.551	ug/l	97
43) Isopropyl Acetate	8.688	43	24238	2.457	ug/l	91
44) Trichloroethene	9.359	130	12768	2.521	ug/l	85
45) 1,2-Dichloropropane	9.635	63	13770	2.699	ug/l	92
46) Dibromomethane	9.706	93	9439	2.586	ug/l	96
47) Bromodichloromethane	9.894	83	18011	2.577	ug/l	93
48) Methyl methacrylate	9.682	41	12042	2.574	ug/l #	78
49) 1,4-Dioxane	9.700	88	3728	42.193	ug/l #	75
51) 4-Methyl-2-Pentanone	10.447	43	68711	11.716	ug/l	93
52) Toluene	10.635	92	33653	2.703	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	18221	2.462	ug/l #	82
54) cis-1,3-Dichloropropene	10.324	75	18056	2.214	ug/l #	88
55) 1,1,2-Trichloroethane	11.024	97	12507	2.530	ug/l	95
56) Ethyl methacrylate	10.882	69	17494	2.340	ug/l #	81
57) 1,3-Dichloropropane	11.171	76	22185	2.618	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.171	63	43150	11.734	ug/l	90
59) 2-Hexanone	11.200	43	50591	11.662	ug/l	87
60) Dibromochloromethane	11.365	129	12074	2.366	ug/l	97
61) 1,2-Dibromoethane	11.476	107	12002	2.434	ug/l	95
64) Tetrachloroethene	11.112	164	12267	2.899	ug/l	90
65) Chlorobenzene	11.894	112	34061	2.597	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	11638	2.565	ug/l	97
67) Ethyl Benzene	11.971	91	58779	2.501	ug/l	94
68) m/p-Xylenes	12.076	106	44831	5.034	ug/l	98
69) o-Xylene	12.406	106	22210	2.536	ug/l	96
70) Styrene	12.418	104	34918	2.510	ug/l	99
71) Bromoform	12.582	173	7729	2.560	ug/l #	96
73) Isopropylbenzene	12.700	105	54790	2.512	ug/l	96
74) N-amyl acetate	12.500	43	19450	2.412	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	17222	2.566	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	18431m	2.908	ug/l	
77) Bromobenzene	12.982	156	13351	2.682	ug/l	97
78) n-propylbenzene	13.041	91	66315	2.579	ug/l	96
79) 2-Chlorotoluene	13.129	91	39940	2.603	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	48712	2.657	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.747	75	3429m	1.729	ug/l	
82) 4-Chlorotoluene	13.229	91	37089	2.429	ug/l	98
83) tert-Butylbenzene	13.447	119	41180	2.573	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	45549	2.526	ug/l	97
85) sec-Butylbenzene	13.623	105	54611	2.401	ug/l	99
86) p-Isopropyltoluene	13.735	119	42743	2.357	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	22858	2.483	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	24618	2.695	ug/l	87
89) n-Butylbenzene	14.065	91	39253	2.353	ug/l	96
90) Hexachloroethane	14.341	117	7059	2.369	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	23243	2.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.735	75	3171	2.441	ug/l	88
93) 1,2,4-Trichlorobenzene	15.400	180	11273	2.243	ug/l	95
94) Hexachlorobutadiene	15.506	225	5284	2.532	ug/l	93
95) Naphthalene	15.647	128	34390	1.988	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	10764	2.187	ug/l	94

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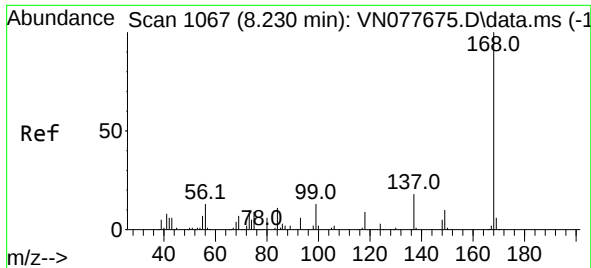
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

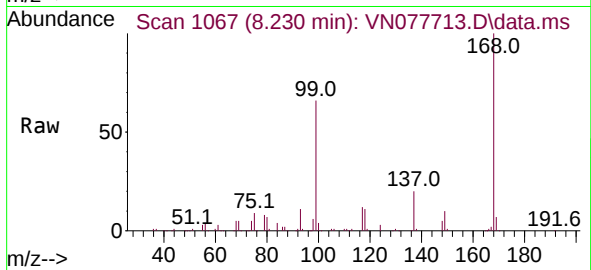
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077713.D
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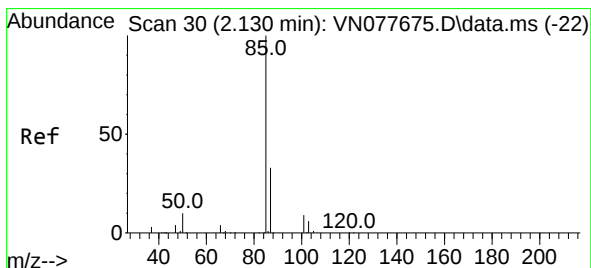
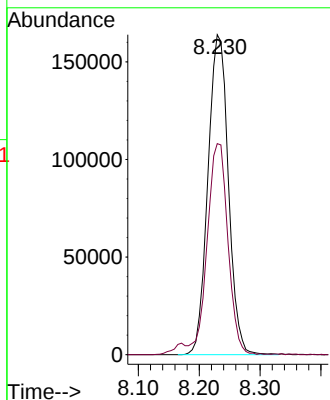
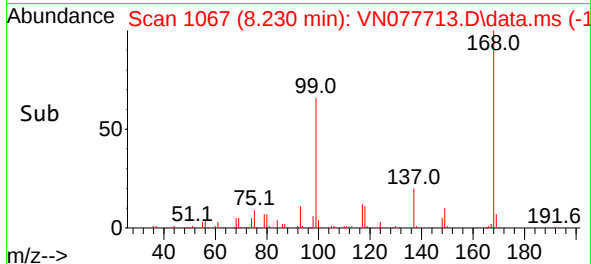
Instrument : MSVOA_N
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Tgt Ion:168 Resp: 381732
Ion Ratio Lower Upper
168 100
99 65.8 53.0 79.6

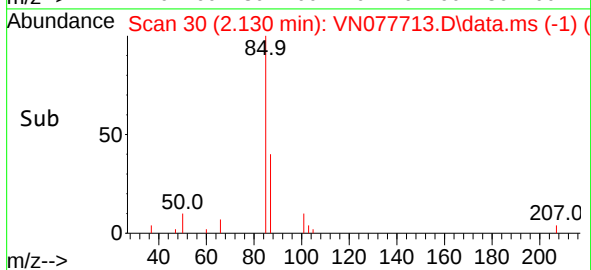
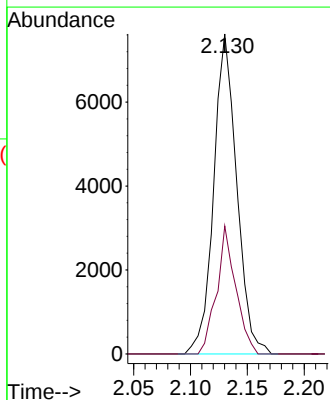
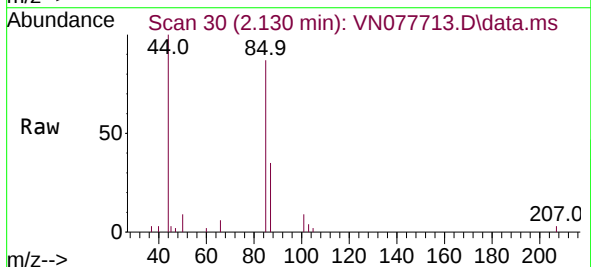
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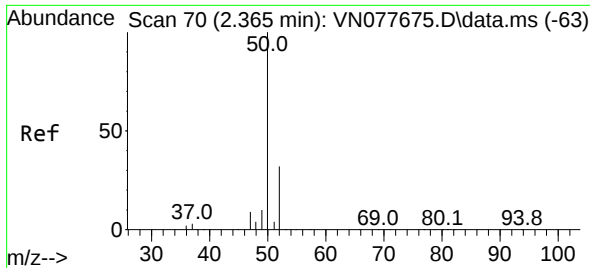
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#2
Dichlorodifluoromethane
Concen: 2.476 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

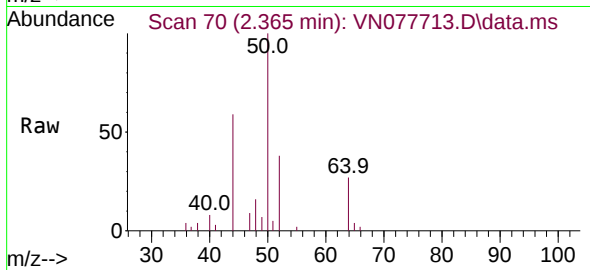
Tgt Ion: 85 Resp: 10758
Ion Ratio Lower Upper
85 100
87 40.0 15.8 47.4





#3
Chloromethane
Concen: 2.636 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

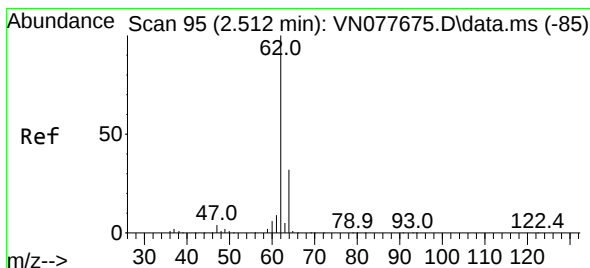
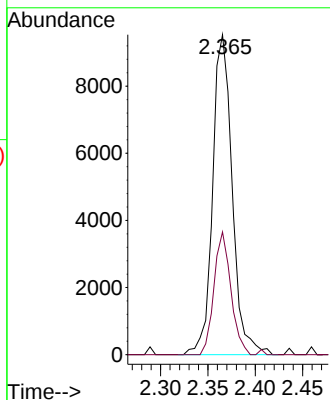
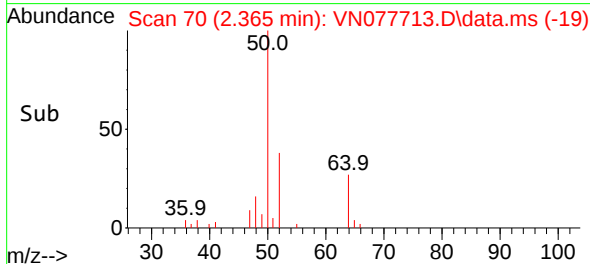
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Tgt Ion: 50 Resp: 13728
Ion Ratio Lower Upper
50 100
52 38.3 26.5 39.7

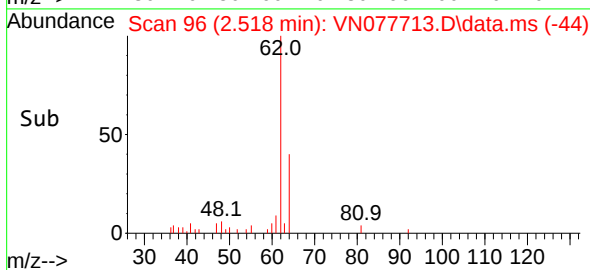
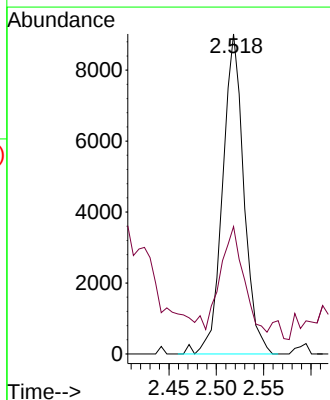
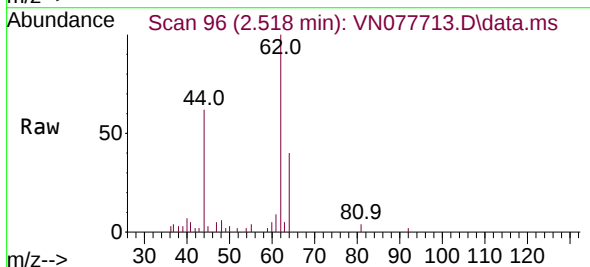
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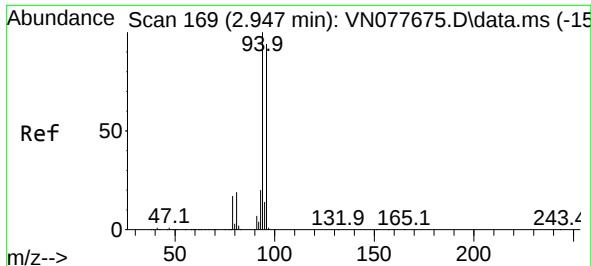
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#4
Vinyl Chloride
Concen: 2.577 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

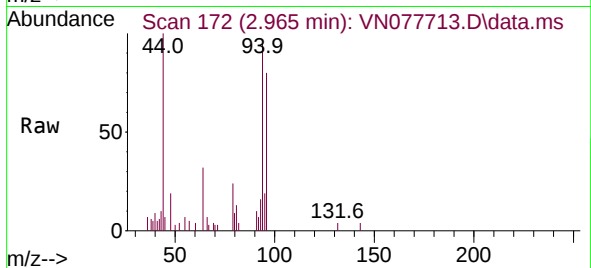
Tgt Ion: 62 Resp: 14115
Ion Ratio Lower Upper
62 100
64 29.4 26.2 39.2





#5
Bromomethane
Concen: 3.174 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

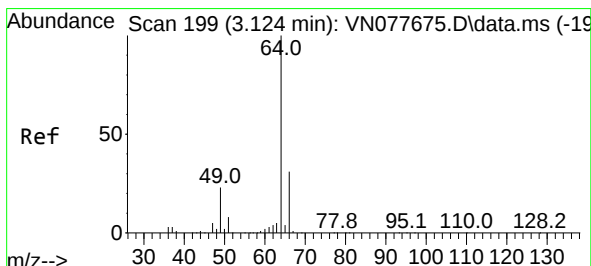
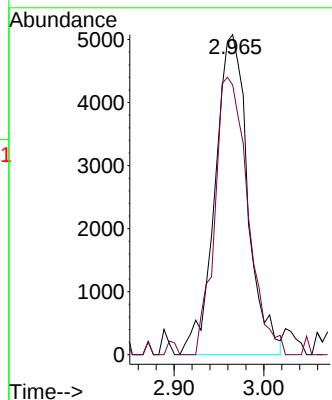
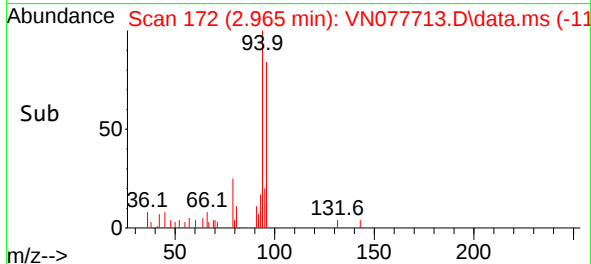
Instrument :
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Tgt Ion: 94 Resp: 1285
Ion Ratio Lower Upper
94 100
96 84.3 73.1 109.7

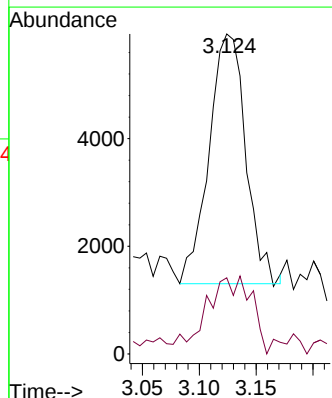
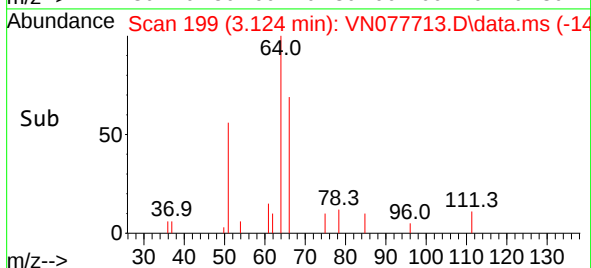
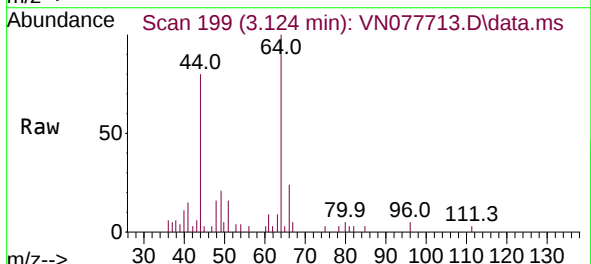
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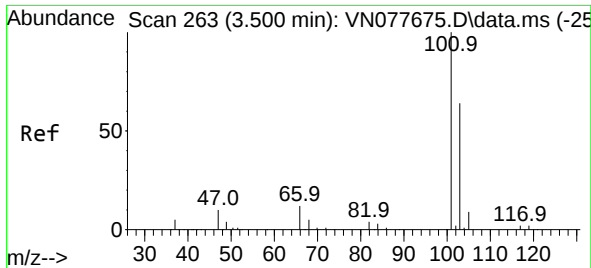
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#6
Chloroethane
Concen: 2.640 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
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Tgt Ion: 64 Resp: 10420
Ion Ratio Lower Upper
64 100
66 25.8 25.4 38.2





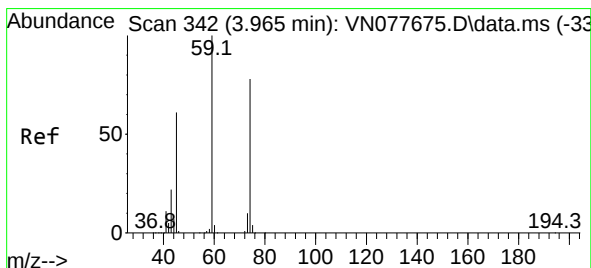
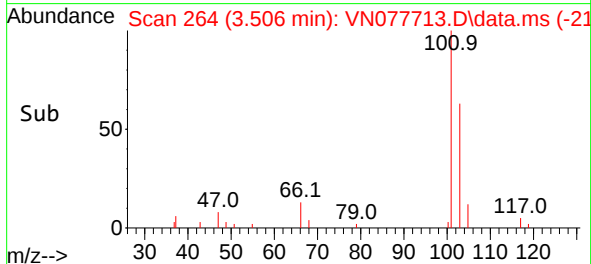
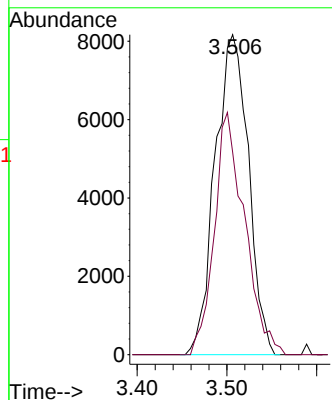
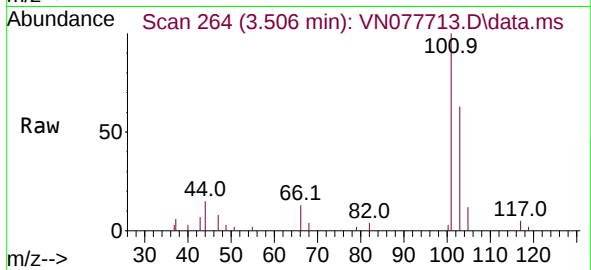
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 Trichlorofluoromethane
 Concen: 2.760 ug/l
 RT: 3.506 min Scan# 2107
 Delta R.T. 0.006 min
 Lab File: VN077713.D
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Tgt Ion:101 Resp: 2107
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.7 76.1

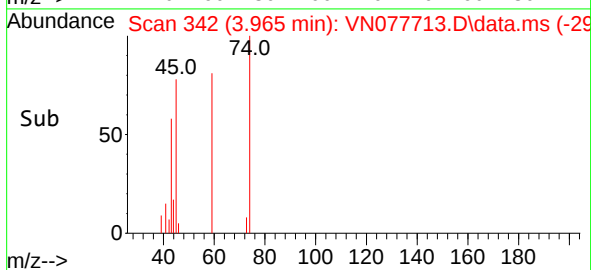
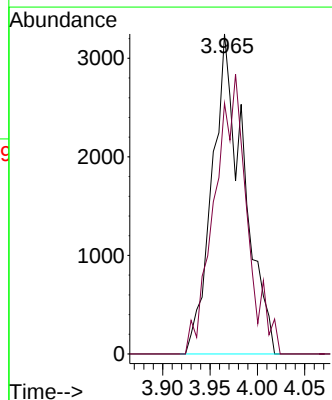
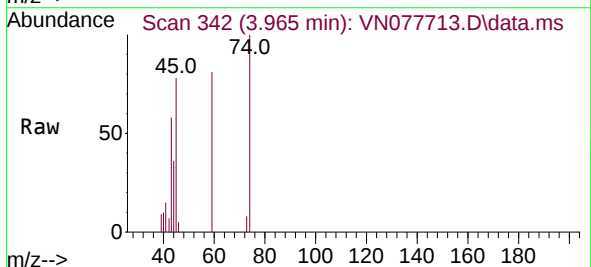
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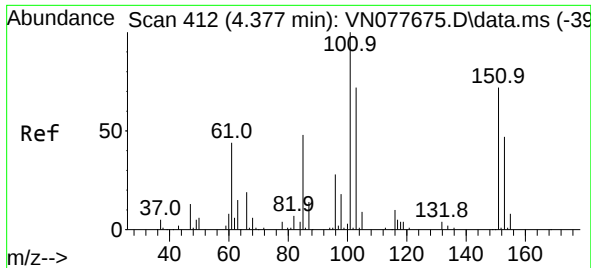
Reviewed By :John Carlone 05/18/2023
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#8
 Diethyl Ether
 Concen: 2.706 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

Tgt Ion: 74 Resp: 7542
 Ion Ratio Lower Upper
 74 100
 45 89.9 34.4 103.3





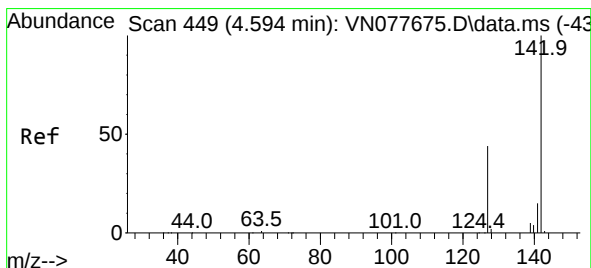
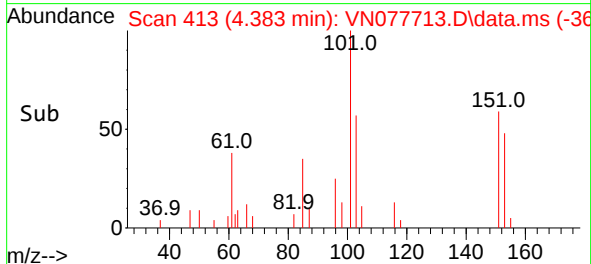
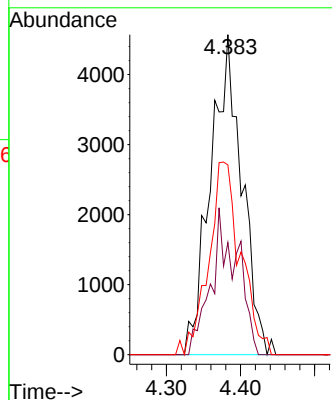
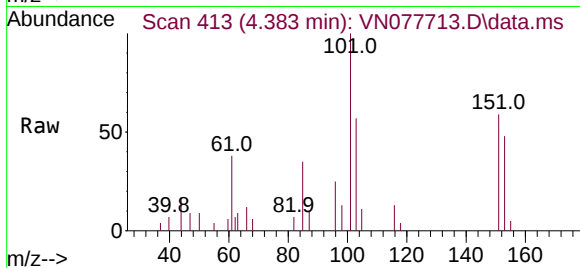
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.177 ug/l
RT: 4.383 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion:101 Resp: 1342
Ion Ratio Lower Upper
101 100
85 26.5 36.6 55.0
151 61.5 57.6 86.4

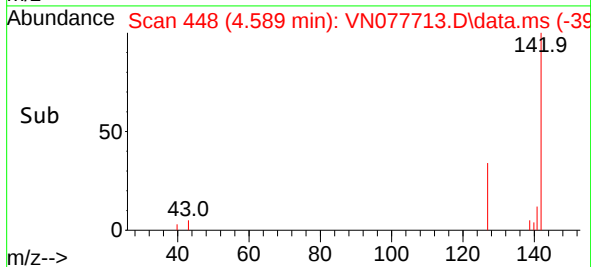
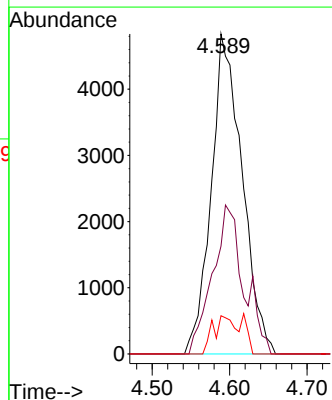
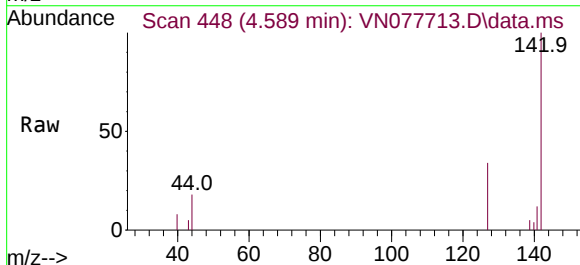
Manual Integrations
APPROVED

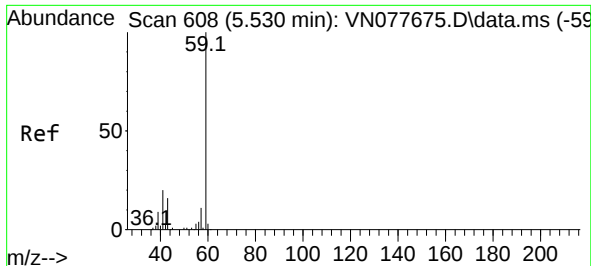
Reviewed By :John Carbone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#10
Methyl Iodide
Concen: 2.661 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.005 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

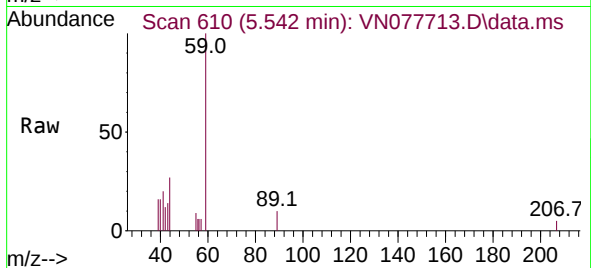
Tgt Ion:142 Resp: 13406
Ion Ratio Lower Upper
142 100
127 33.7 37.6 56.4
141 12.0 11.4 17.0





#11
Tert butyl alcohol
Concen: 13.953 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

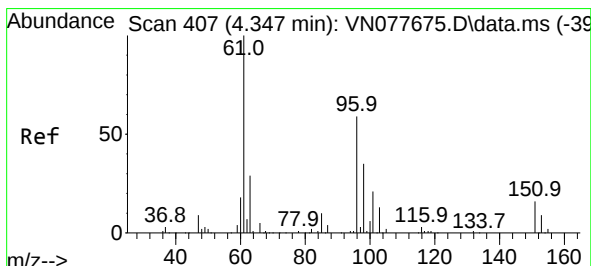
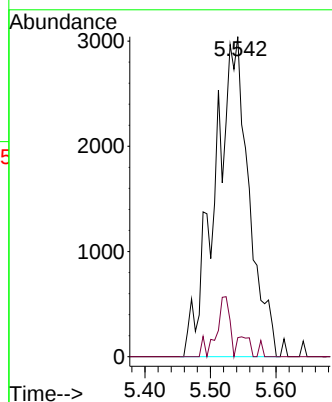
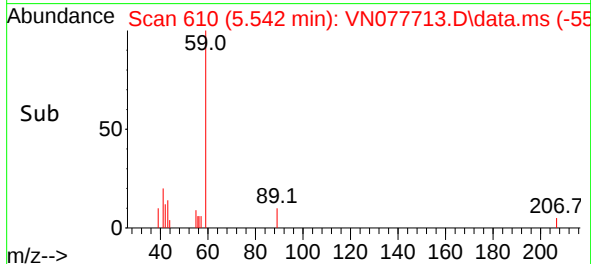
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



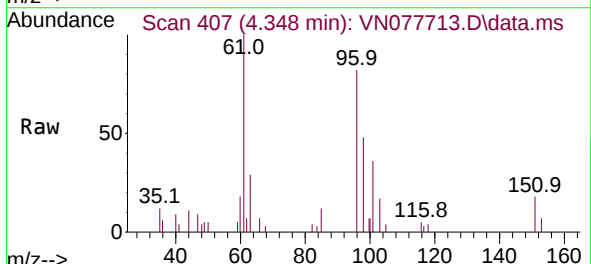
Tgt Ion: 59 Resp: 1099
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4

Manual Integrations
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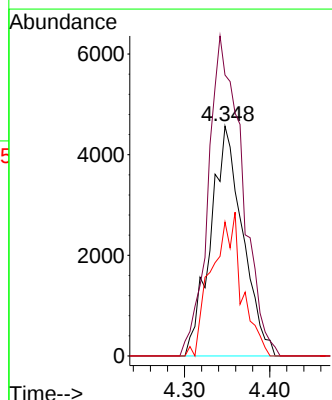
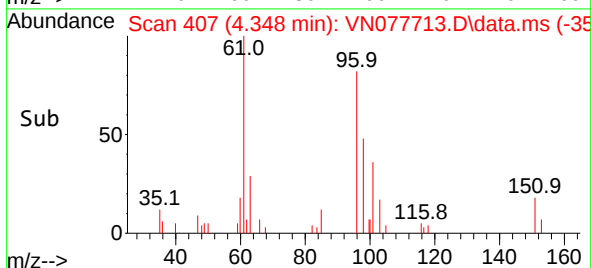
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

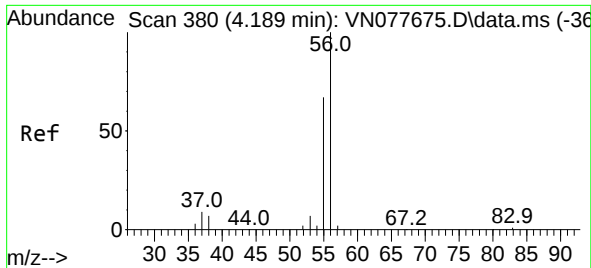


#12
1,1-Dichloroethene
Concen: 2.985 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56



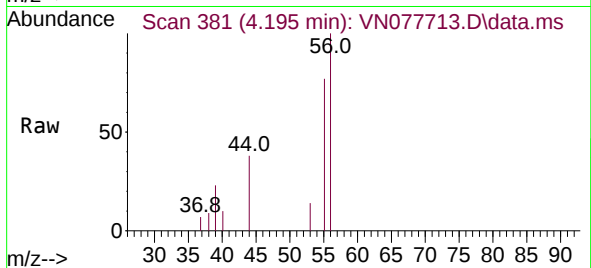
Tgt Ion: 96 Resp: 11986
Ion Ratio Lower Upper
96 100
61 122.2 112.7 169.1
98 58.3 51.2 76.8





#13
Acrolein
Concen: 15.904 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

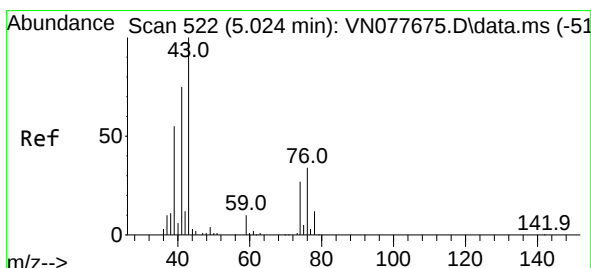
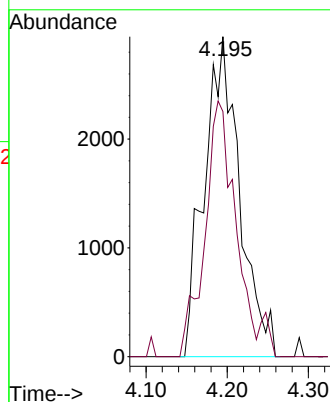
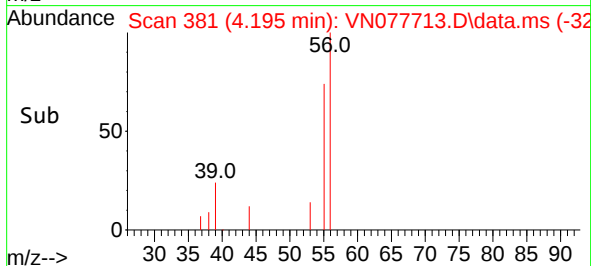
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 56 Resp: 891
Ion Ratio Lower Upper
56 100
55 68.0 54.5 81.7

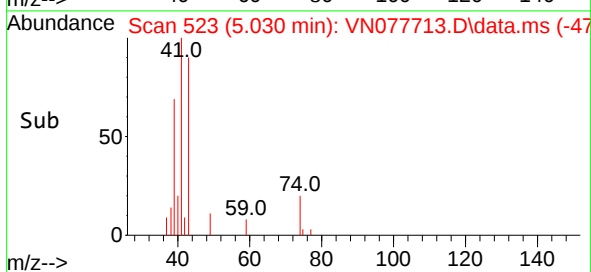
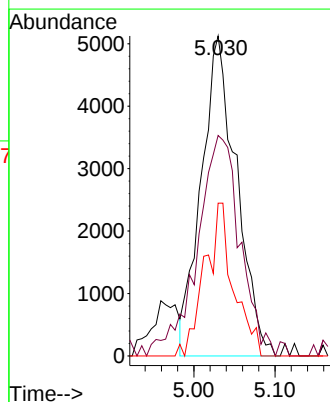
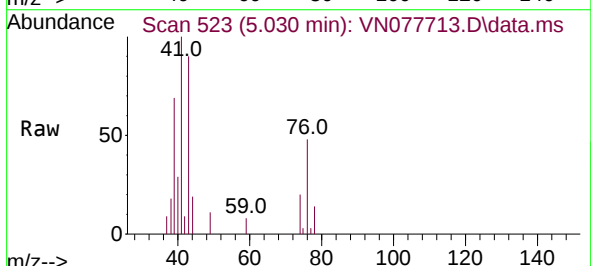
Manual Integrations
APPROVED

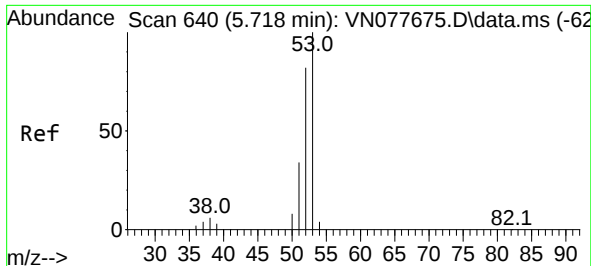
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#14
Allyl chloride
Concen: 2.626 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

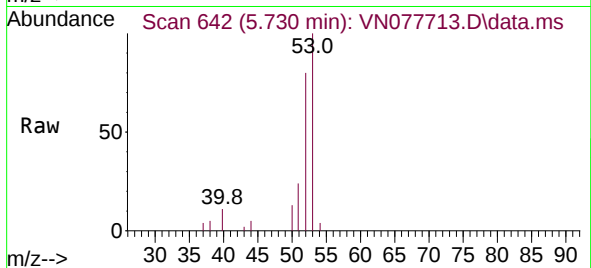
Tgt Ion: 41 Resp: 15489
Ion Ratio Lower Upper
41 100
39 83.9 58.8 88.2
76 38.7 39.1 58.7#





#15
Acrylonitrile
Concen: 12.717 ug/l
RT: 5.730 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

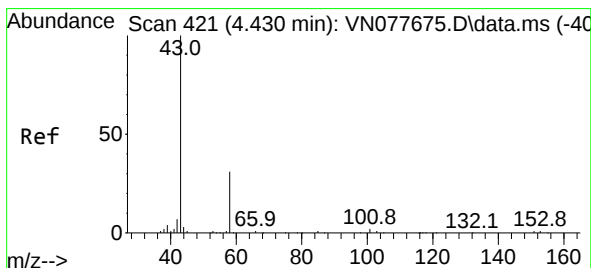
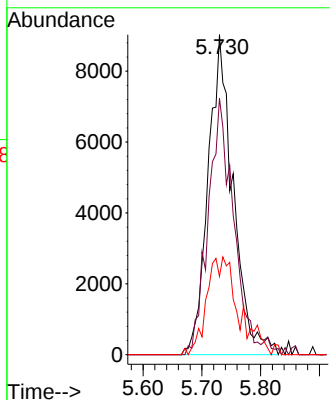
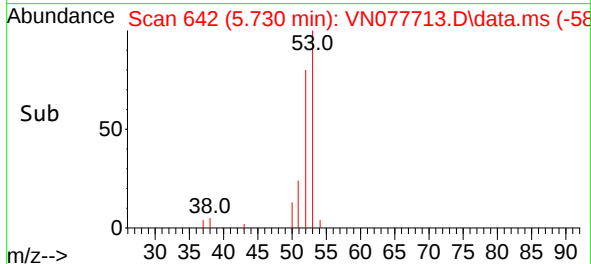
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 53 Resp: 2678
Ion Ratio Lower Upper
53 100
52 80.0 65.3 97.9
51 17.0 28.9 43.3

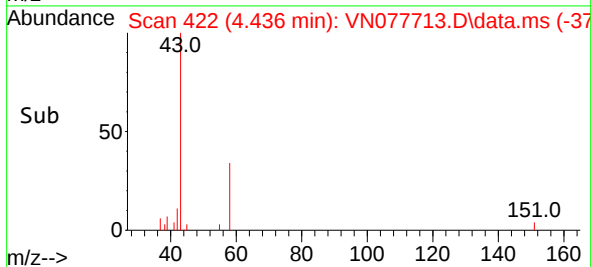
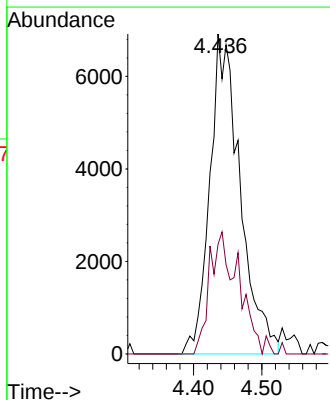
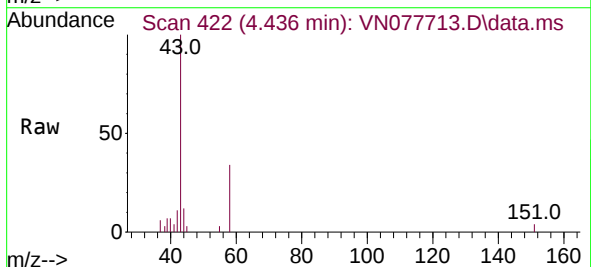
Manual Integrations
APPROVED

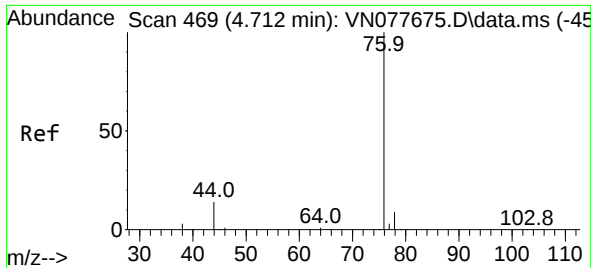
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#16
Acetone
Concen: 11.907 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

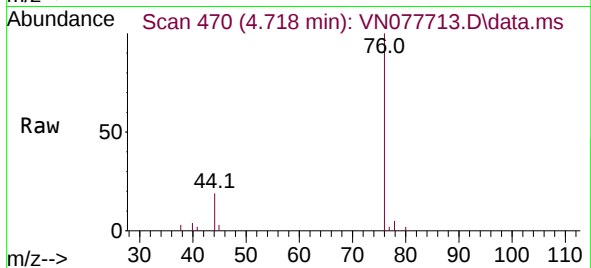
Tgt Ion: 43 Resp: 21397
Ion Ratio Lower Upper
43 100
58 34.2 28.0 42.0





#17
Carbon Disulfide
Concen: 2.409 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

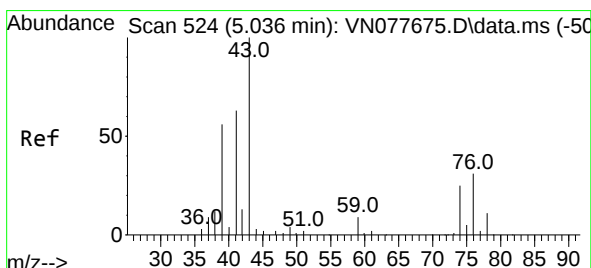
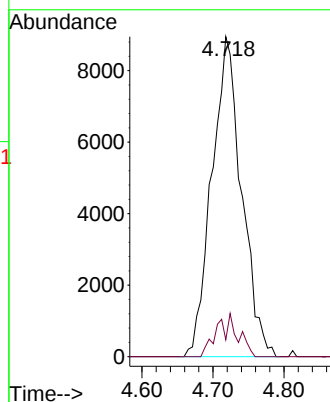
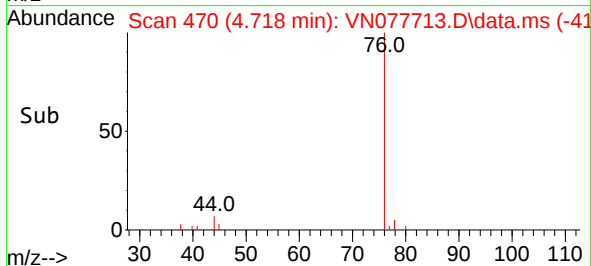
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 76 Resp: 26058
Ion Ratio Lower Upper
76 100
78 5.3 7.4 11.0

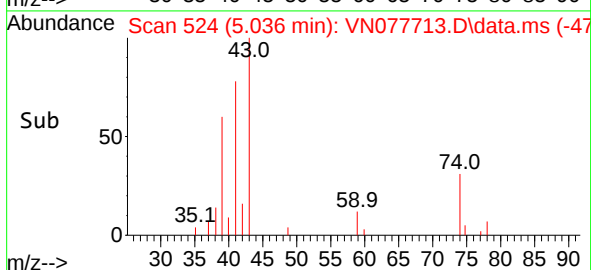
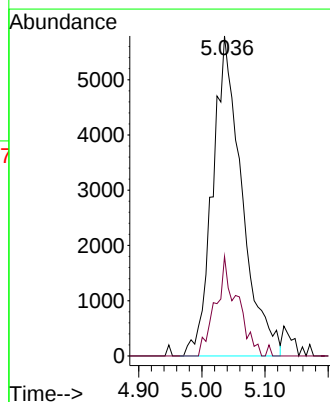
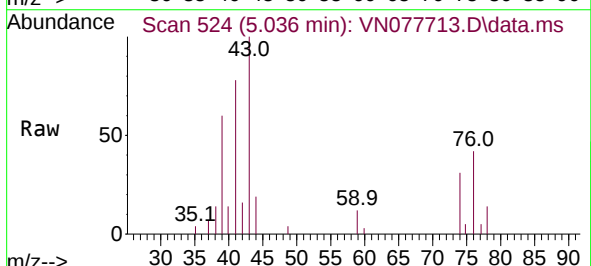
Manual Integrations
APPROVED

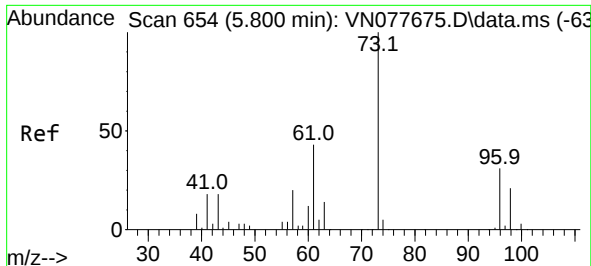
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#18
Methyl Acetate
Concen: 2.473 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

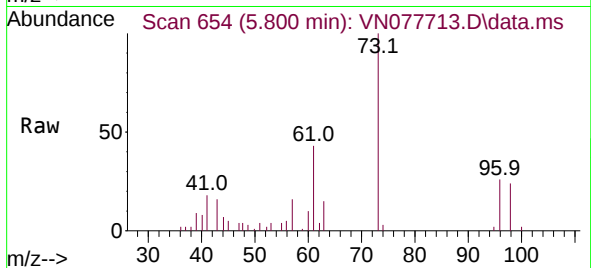
Tgt Ion: 43 Resp: 18643
Ion Ratio Lower Upper
43 100
74 23.2 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 2.698 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

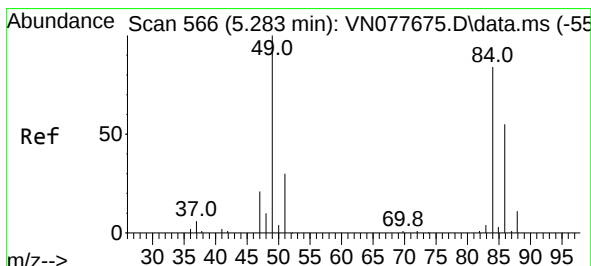
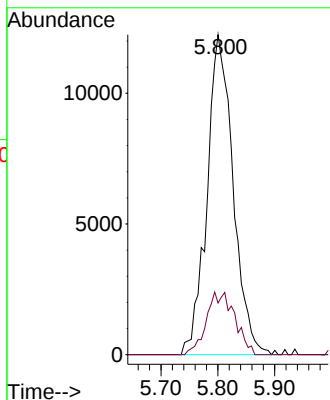
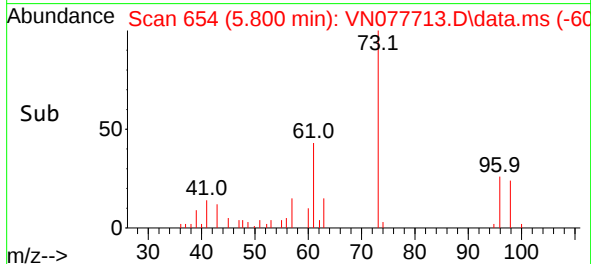
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 73 Resp: 39204
Ion Ratio Lower Upper
73 100
57 16.2 15.6 23.4

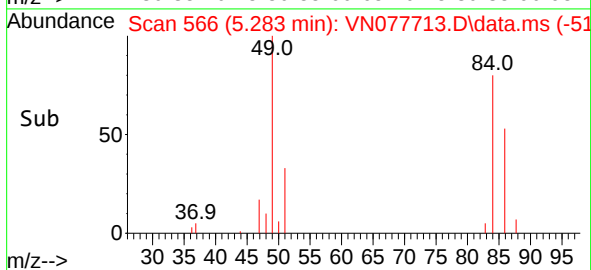
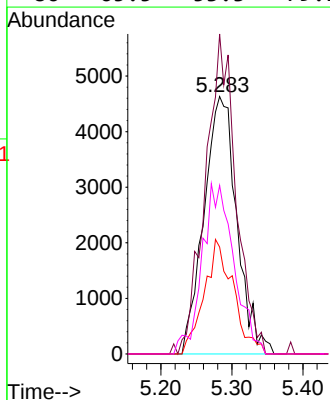
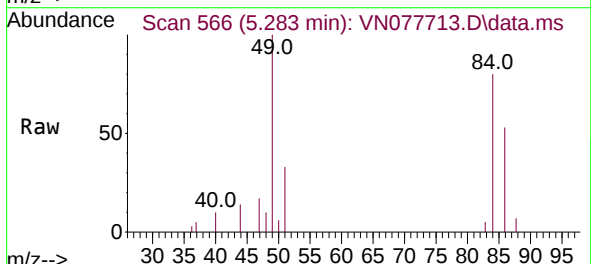
Manual Integrations
APPROVED

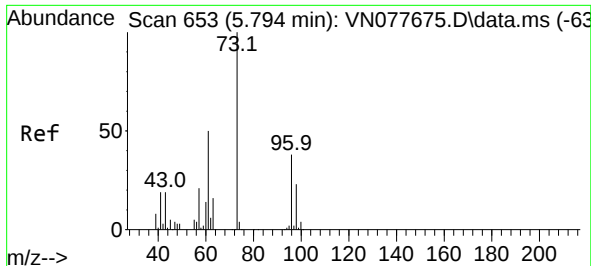
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#20
Methylene Chloride
Concen: 2.772 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion: 84 Resp: 14921
Ion Ratio Lower Upper
84 100
49 124.3 79.7 119.5#
51 41.5 25.2 37.8#
86 65.5 53.3 79.9





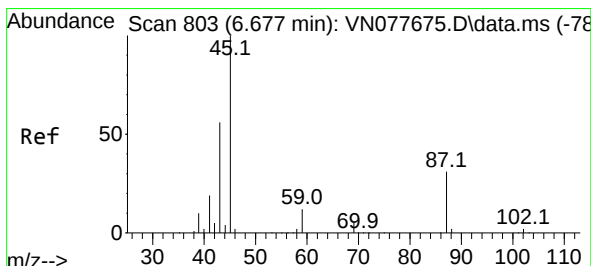
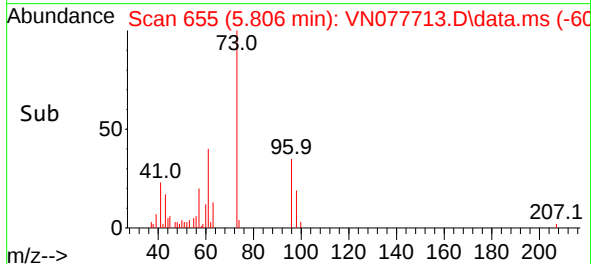
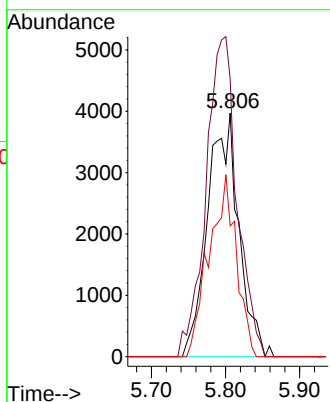
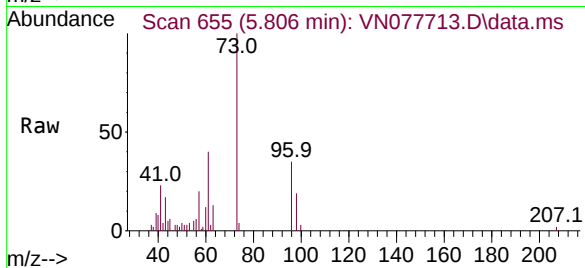
#21
trans-1,2-Dichloroethene
Concen: 2.555 ug/l
RT: 5.806 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion: 96 Resp: 1152
Ion Ratio Lower Upper
96 100
61 113.8 90.1 135.1
98 53.7 46.4 69.6

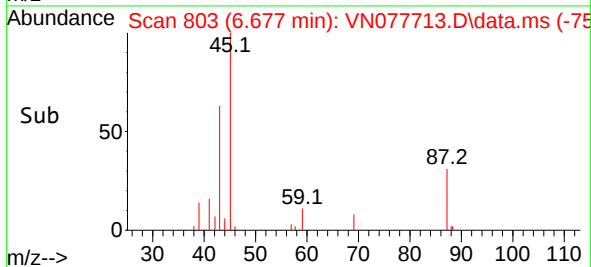
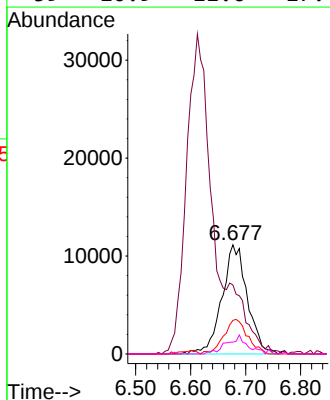
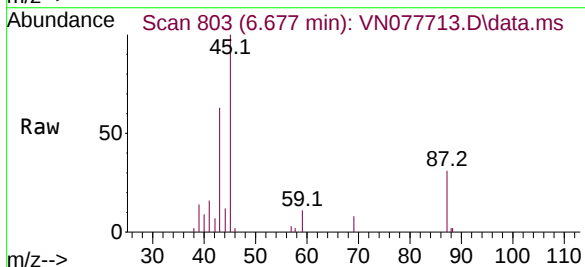
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#22
Diisopropyl ether
Concen: 2.582 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

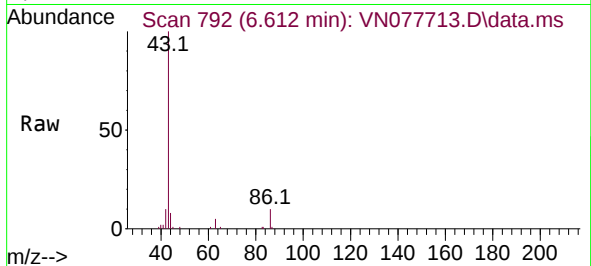
Tgt Ion: 45 Resp: 35701
Ion Ratio Lower Upper
45 100
43 60.6 45.5 68.3
87 30.9 31.8 47.8#
59 10.9 11.6 17.4#





#23
 Vinyl Acetate
 Concen: 11.670 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

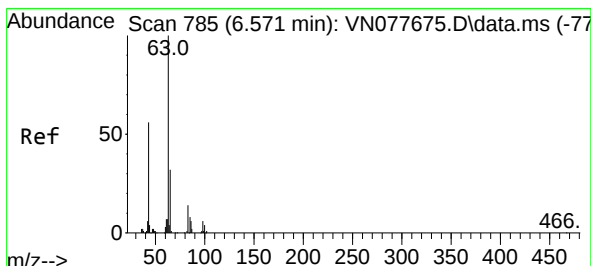
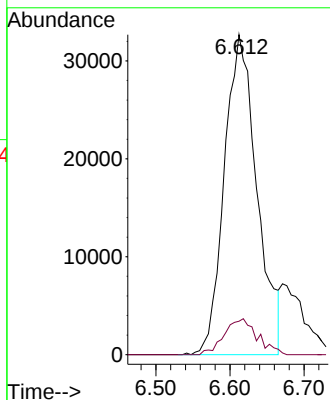
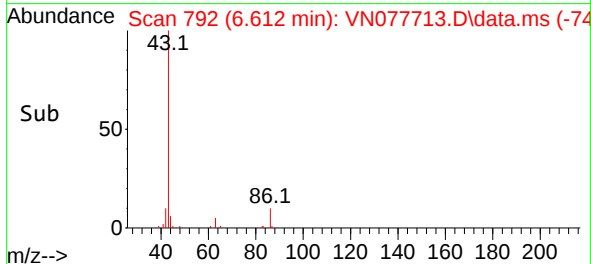
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 43 Resp: 9996
 Ion Ratio Lower Upper
 43 100
 86 10.5 13.0 19.6

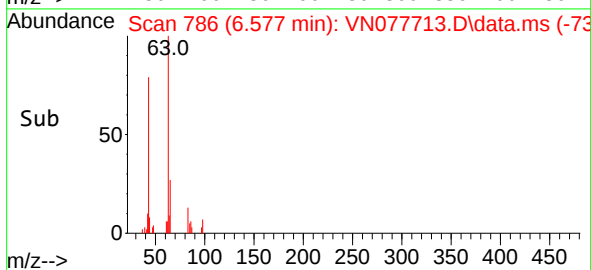
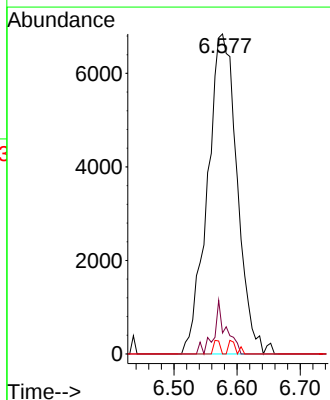
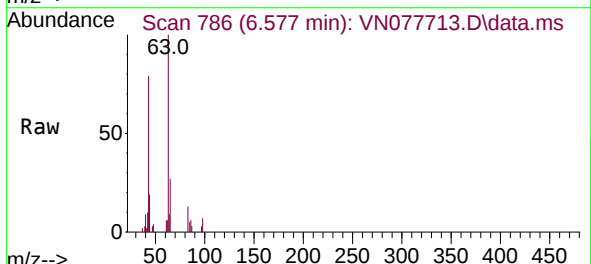
Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#24
 1,1-Dichloroethane
 Concen: 2.635 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

Tgt Ion: 63 Resp: 22315
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.9 11.7
 100 0.0 2.5 7.4





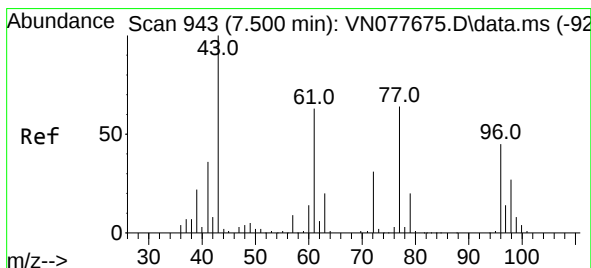
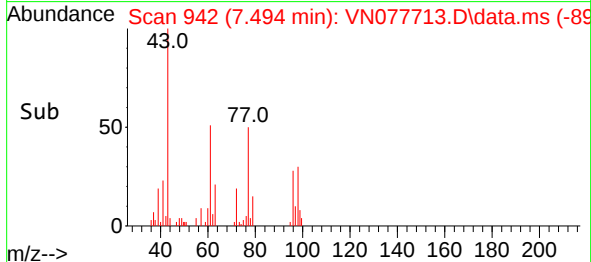
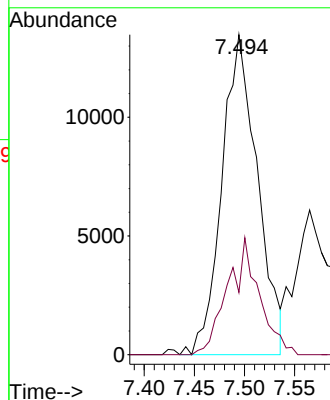
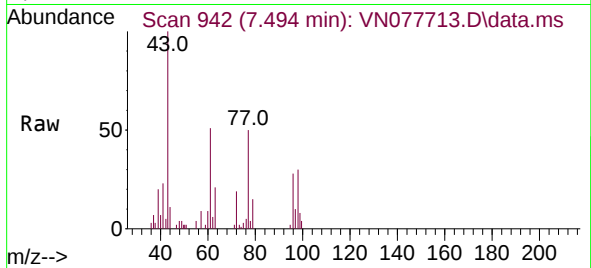
#25
2-Butanone
Concen: 11.823 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
72 19.5 30.2 45.2

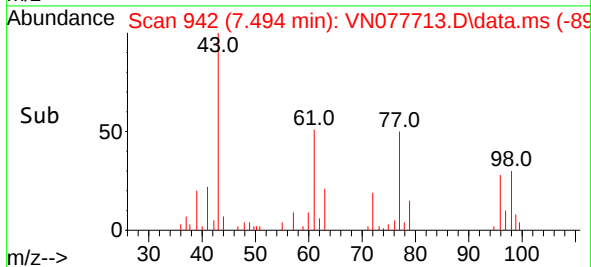
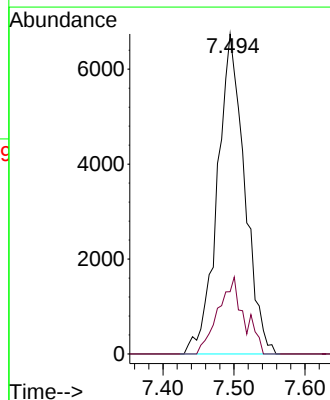
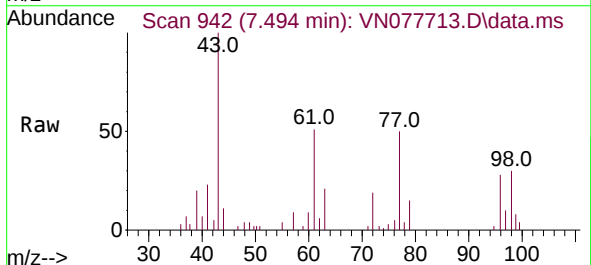
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#26
2,2-Dichloropropane
Concen: 2.494 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

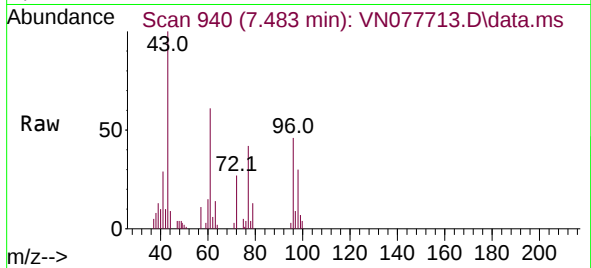
Tgt Ion: 77 Resp: 17944
Ion Ratio Lower Upper
77 100
97 22.9 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 2.533 ug/l
 RT: 7.483 min Scan# 941
 Delta R.T. -0.005 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

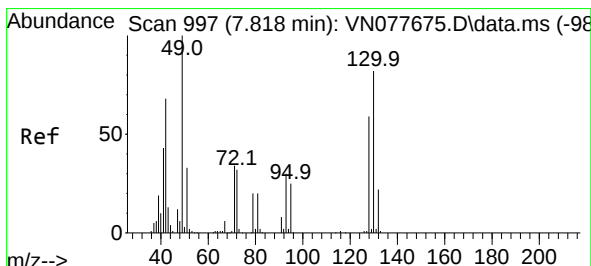
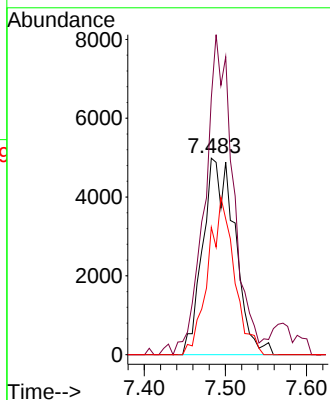
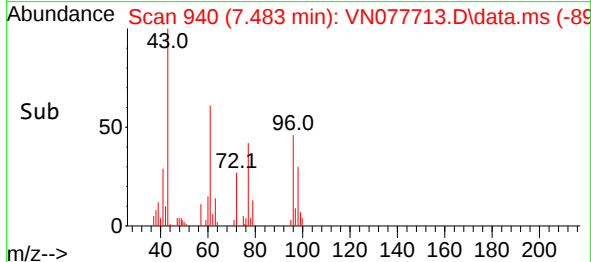
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 96 Resp: 1369
 Ion Ratio Lower Upper
 96 100
 61 145.6 0.0 255.2
 98 65.5 0.0 128.8

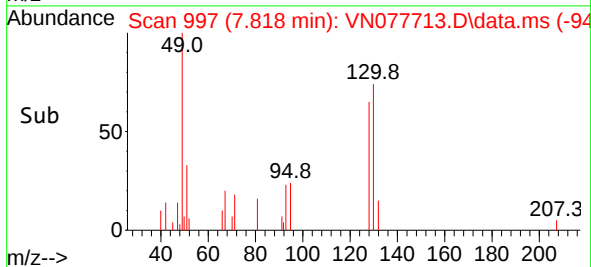
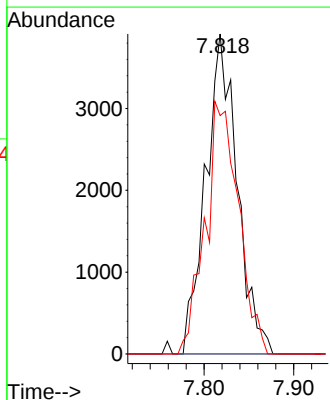
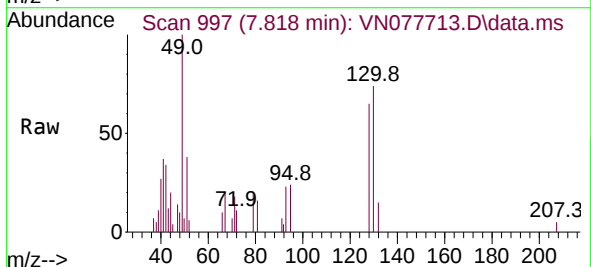
Manual Integrations
 APPROVED

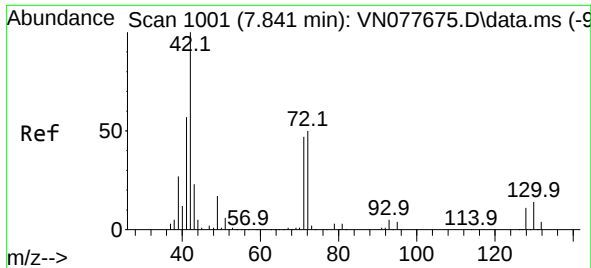
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#28
 Bromochloromethane
 Concen: 2.600 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. -0.000 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

Tgt Ion: 49 Resp: 9522
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 83.3 75.3 112.9





#29

Tetrahydrofuran

Concen: 11.929 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN077713.D

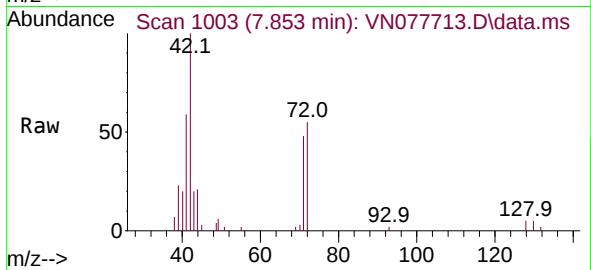
Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



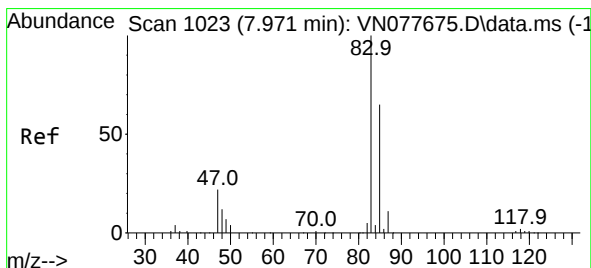
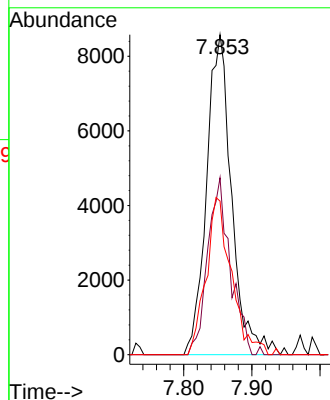
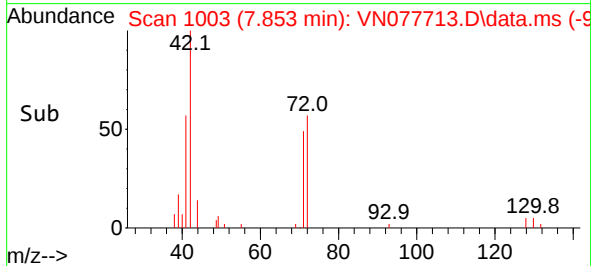
Tgt Ion:	42	Resp:	2195
Ion Ratio	100	Lower	Upper
42	100		
72	50.1	49.8	74.6
71	49.6	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#30

Chloroform

Concen: 2.735 ug/l

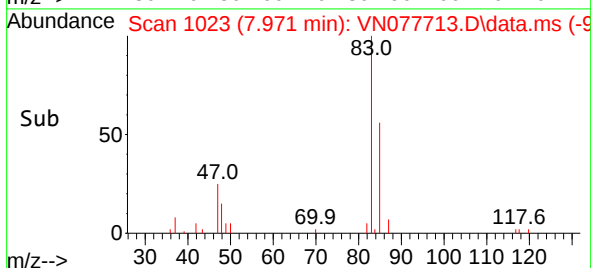
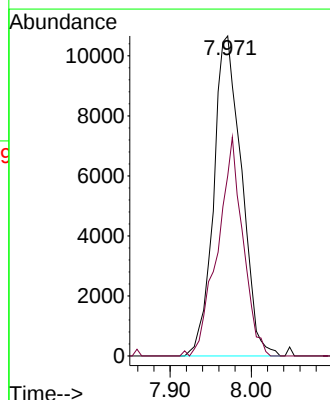
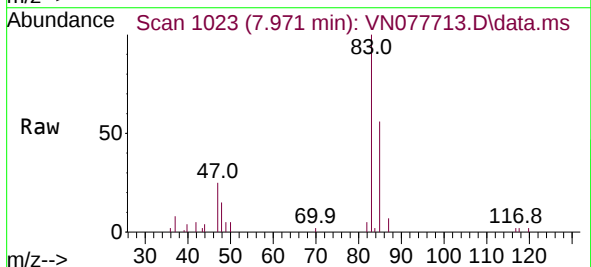
RT: 7.971 min Scan# 1023

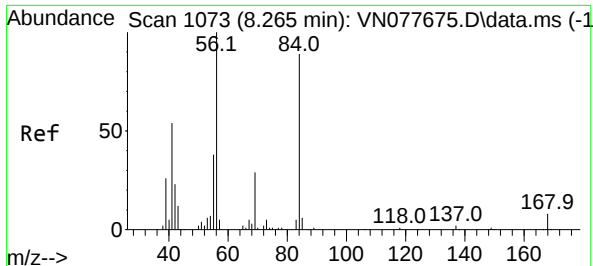
Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

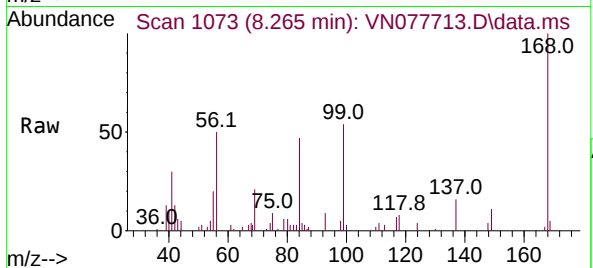
Tgt Ion:	83	Resp:	25478
Ion Ratio	100	Lower	Upper
83	100		
85	56.3	55.4	83.0





#31
Cyclohexane
Concen: 3.493 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

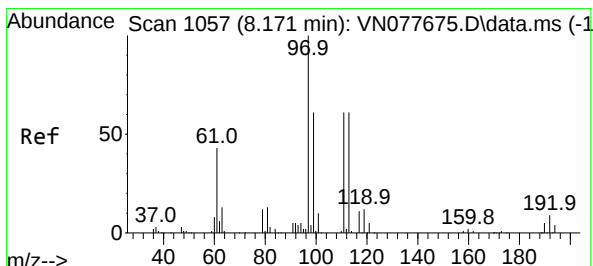
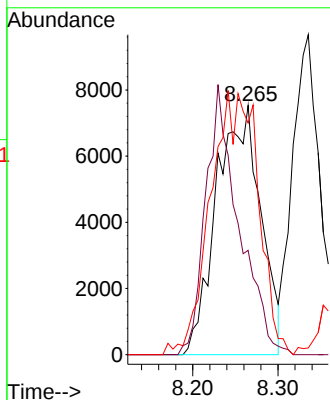
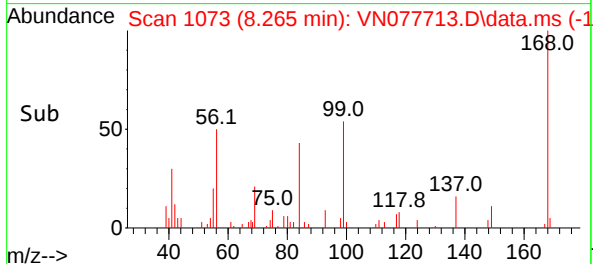
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 56 Resp: 27114
Ion Ratio Lower Upper
56 100
69 41.8 26.8 40.2
84 88.7 81.8 122.6

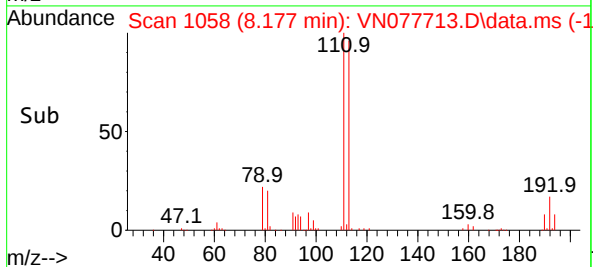
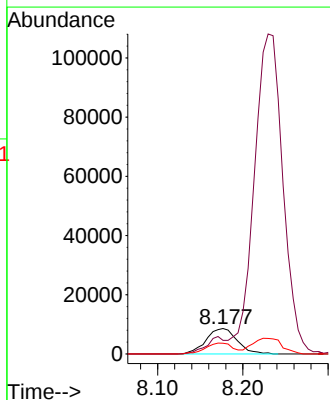
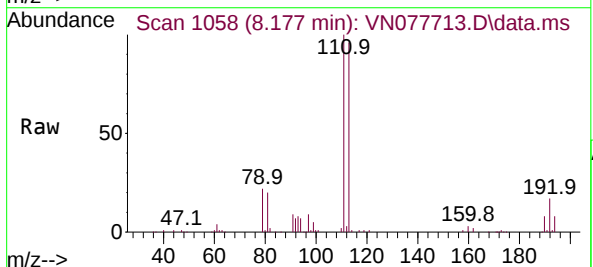
Manual Integrations
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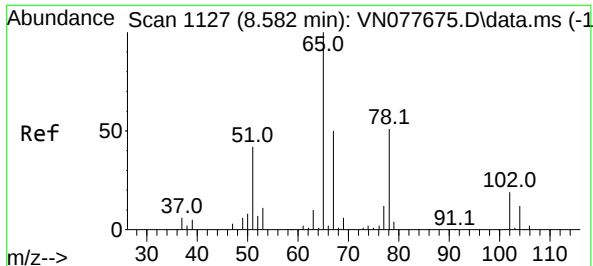
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#32
1,1,1-Trichloroethane
Concen: 2.743 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion: 97 Resp: 21731
Ion Ratio Lower Upper
97 100
99 38.1 50.3 75.5
61 39.2 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 52.169 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 65 Resp: 29797

Ion Ratio Lower Upper

65 100

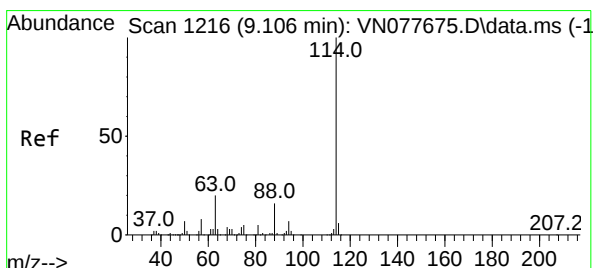
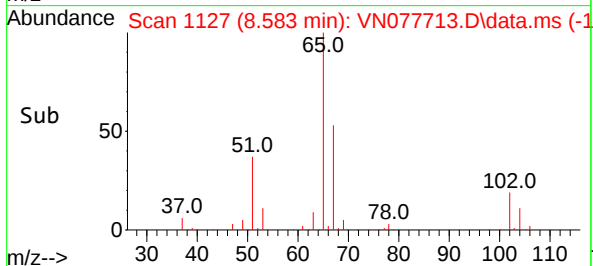
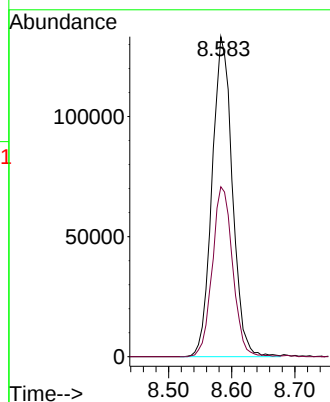
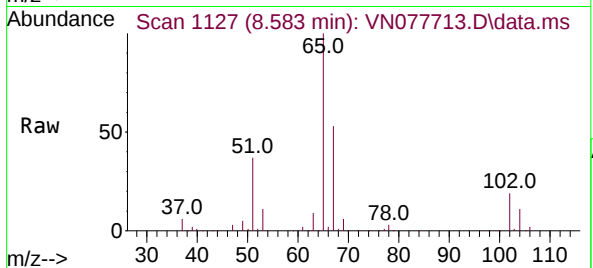
67 53.2 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

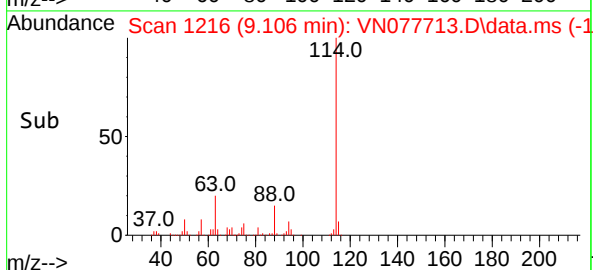
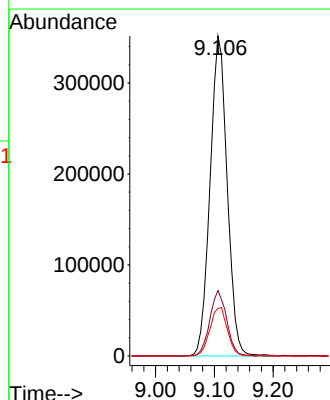
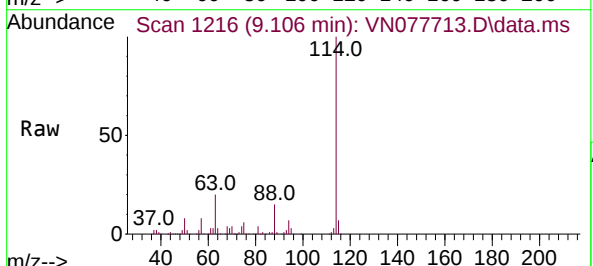
Tgt Ion:114 Resp: 710568

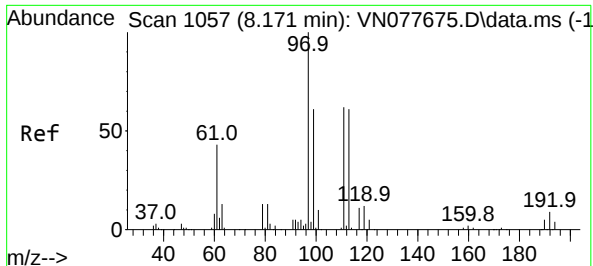
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.970 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

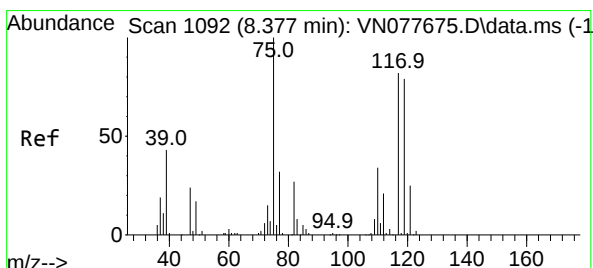
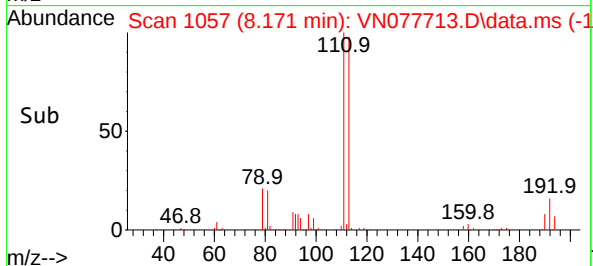
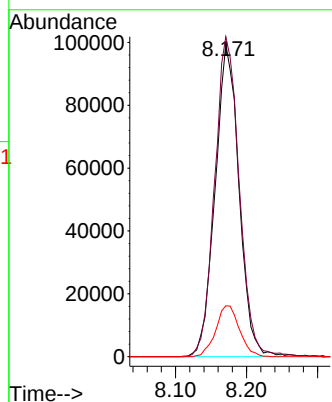
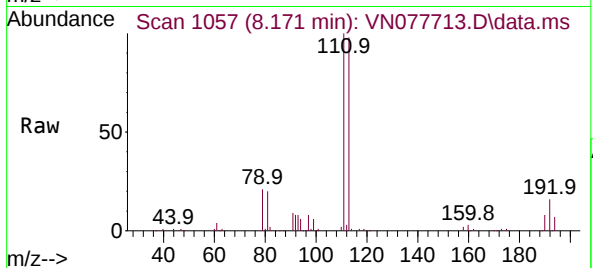
Tgt Ion:	113	Resp:	231539
Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.6	123.8
192	16.2	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#36

1,1-Dichloropropene

Concen: 2.456 ug/l

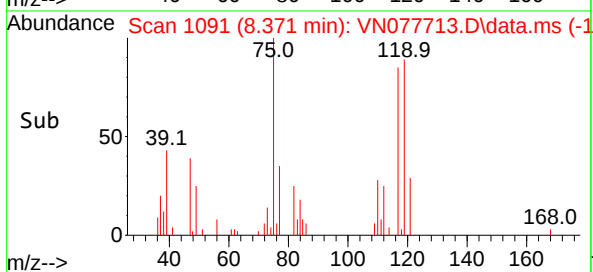
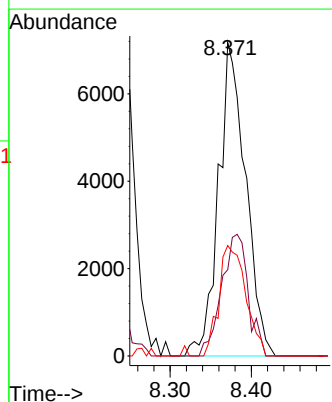
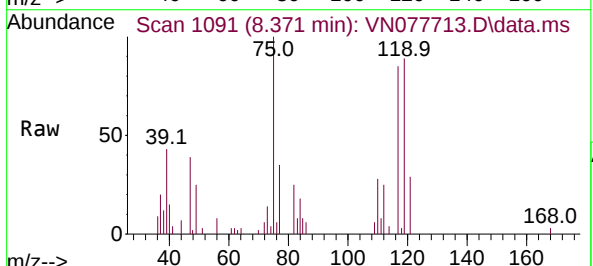
RT: 8.371 min Scan# 1091

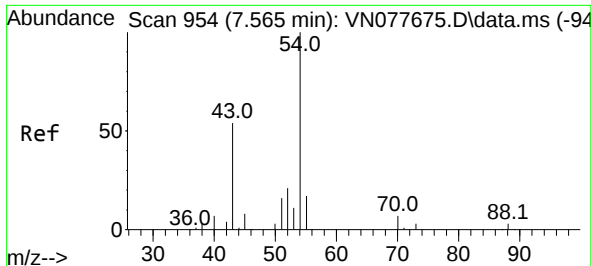
Delta R.T. -0.006 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

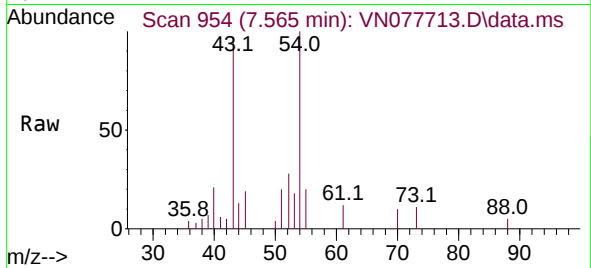
Tgt Ion:	75	Resp:	16645
Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.1	57.3
77	35.0	25.0	37.4





#37
Ethyl Acetate
Concen: 2.741 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

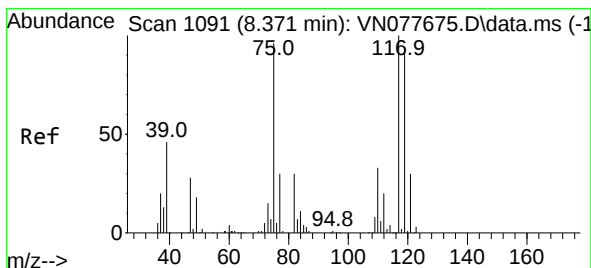
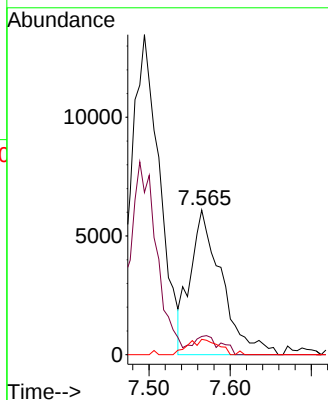
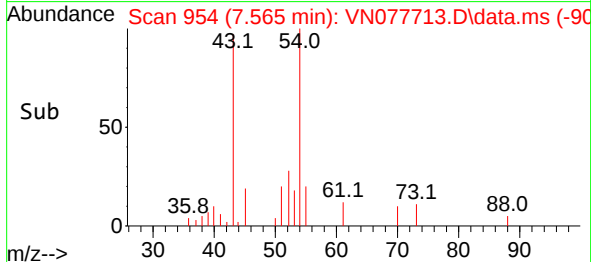
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
61 9.7 13.2 19.8
70 9.9 11.3 16.9

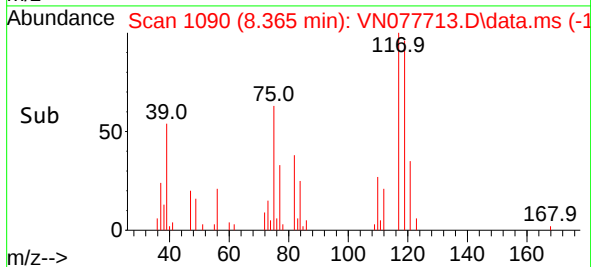
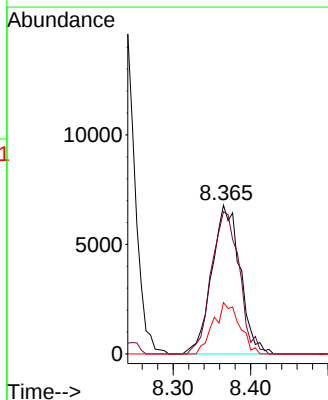
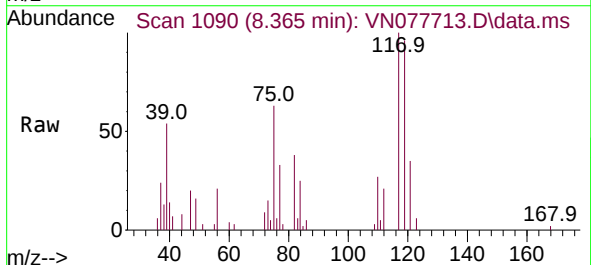
Manual Integrations
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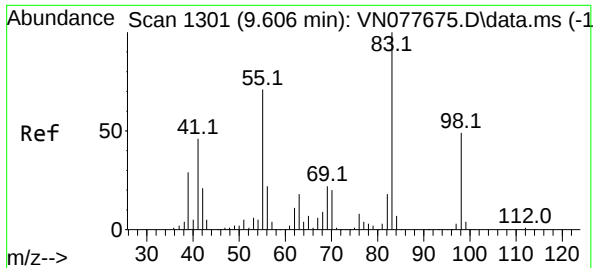
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#38
Carbon Tetrachloride
Concen: 2.518 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

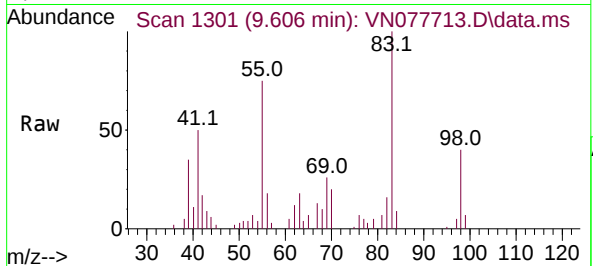
Tgt Ion:117 Resp: 17235
Ion Ratio Lower Upper
117 100
119 95.6 77.3 115.9
121 34.6 23.3 34.9





#39
Methylcyclohexane
Concen: 2.404 ug/l
RT: 9.606 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

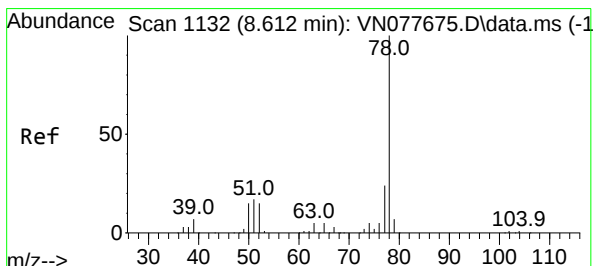
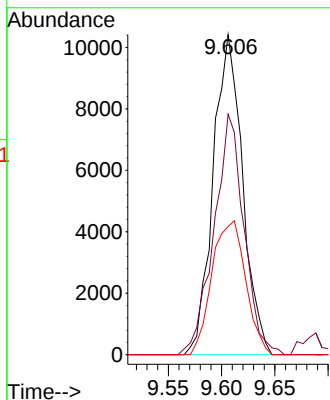
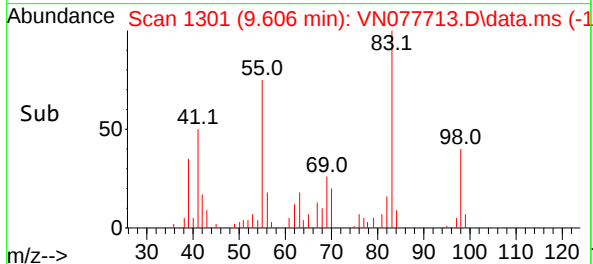
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 83 Resp: 1994
Ion Ratio Lower Upper
83 100
55 75.1 49.1 73.7
98 40.1 40.6 61.0

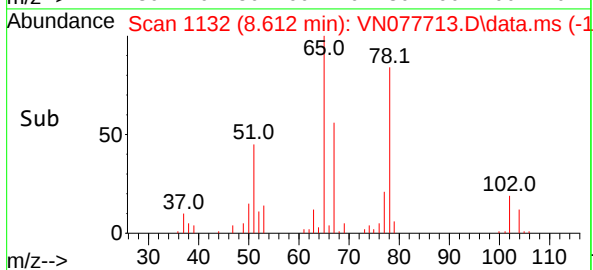
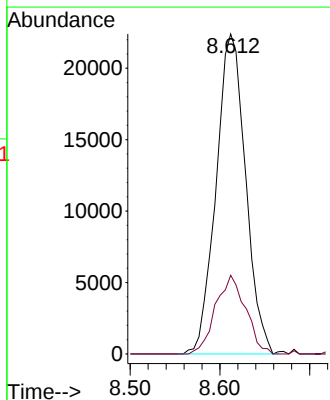
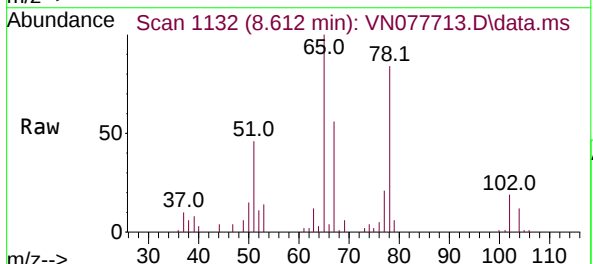
Manual Integrations
APPROVED

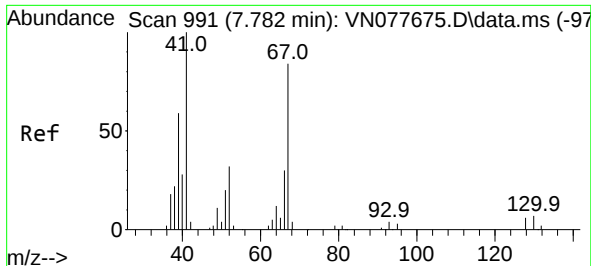
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#40
Benzene
Concen: 2.556 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

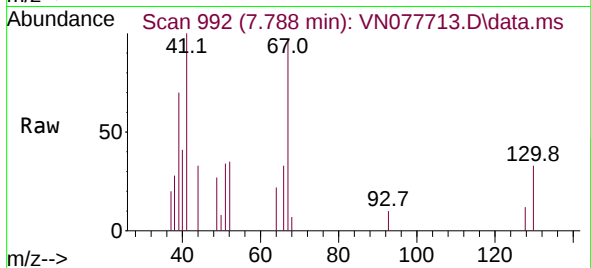
Tgt Ion: 78 Resp: 51125
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6





#41
Methacrylonitrile
Concen: 2.713 ug/l
RT: 7.788 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

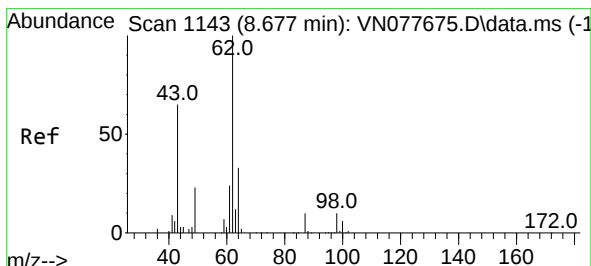
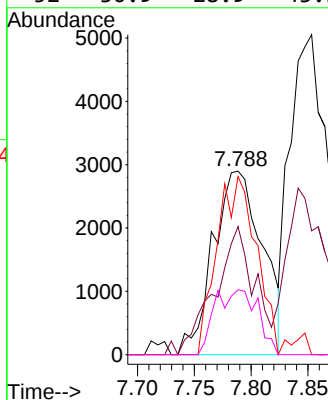
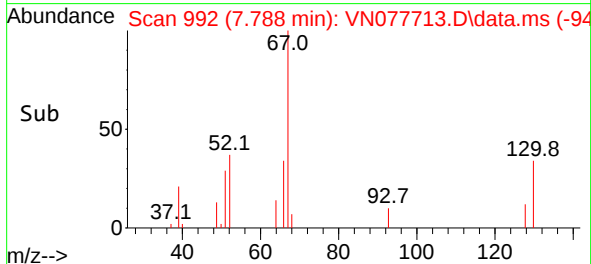
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 41 Resp: 872
Ion Ratio Lower Upper
41 100
39 57.4 42.6 64.0
67 79.6 77.5 116.3
52 30.9 28.9 43.3

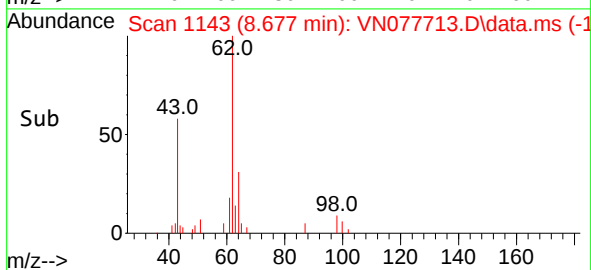
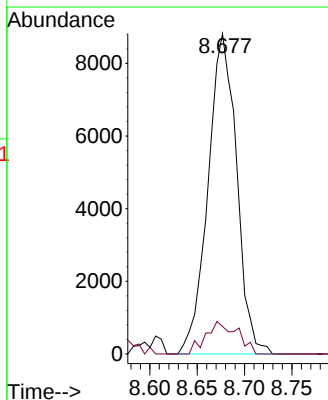
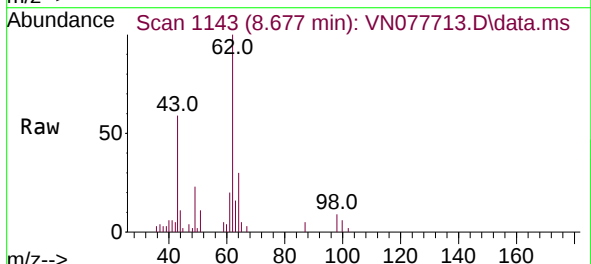
Manual Integrations
APPROVED

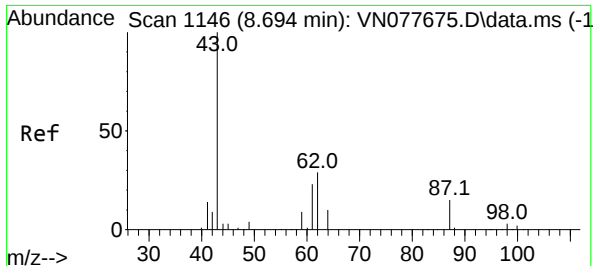
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#42
1,2-Dichloroethane
Concen: 2.551 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion: 62 Resp: 18530
Ion Ratio Lower Upper
62 100
98 11.1 0.0 19.8





#43

Isopropyl Acetate

Concen: 2.457 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

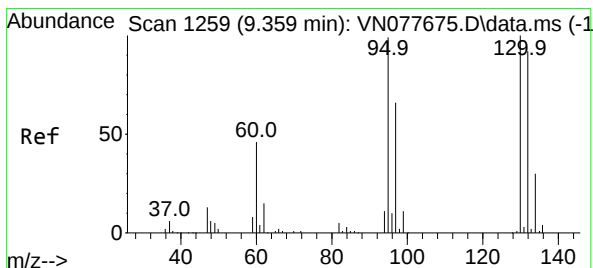
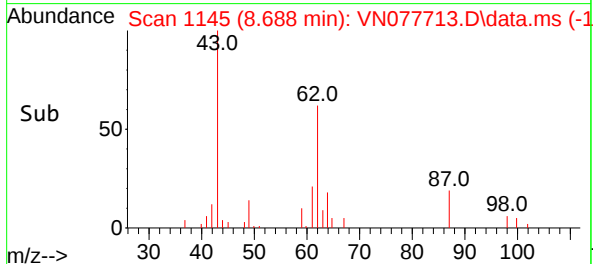
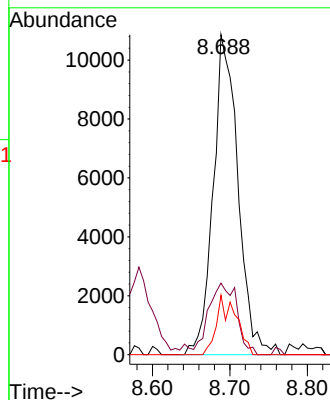
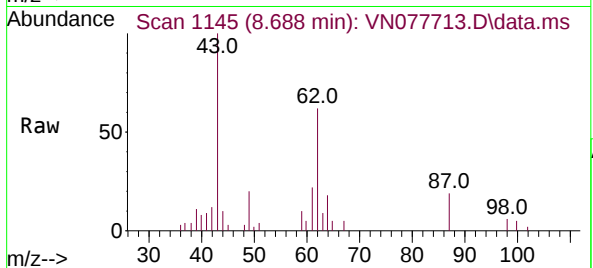
Tgt Ion: 43	Resp: 24238
Ion Ratio	Lower Upper
43	100
61	25.2 24.7 37.1
87	14.7 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#44

Trichloroethene

Concen: 2.521 ug/l

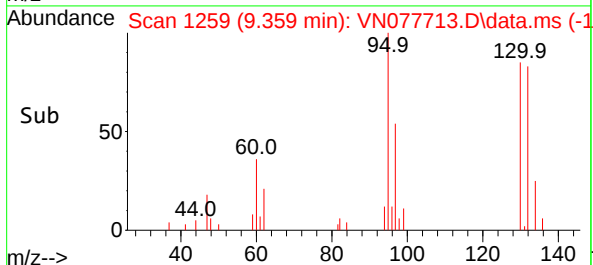
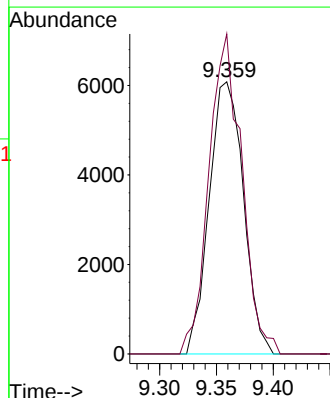
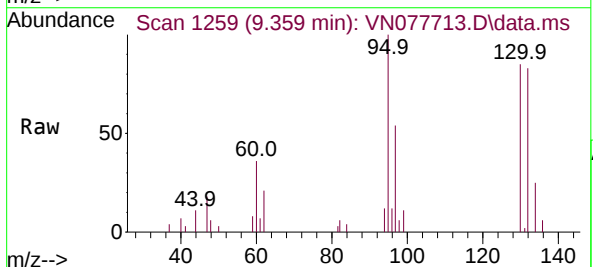
RT: 9.359 min Scan# 1259

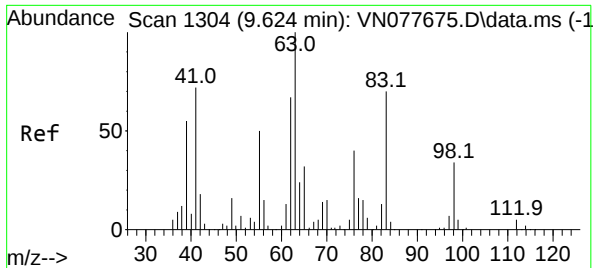
Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion:130	Resp: 12768
Ion Ratio	Lower Upper
130	100
95	117.6 0.0 204.6





#45

1,2-Dichloropropane

Concen: 2.699 ug/l

RT: 9.635 min Scan# 1306

Delta R.T. 0.011 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 63 Resp: 13770

Ion Ratio Lower Upper

63 100

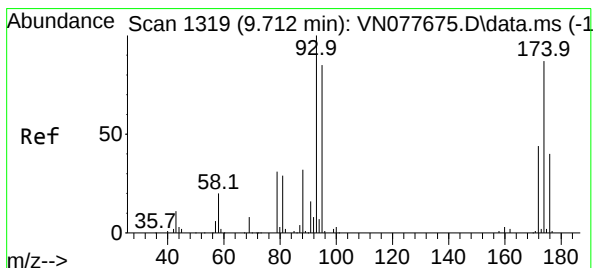
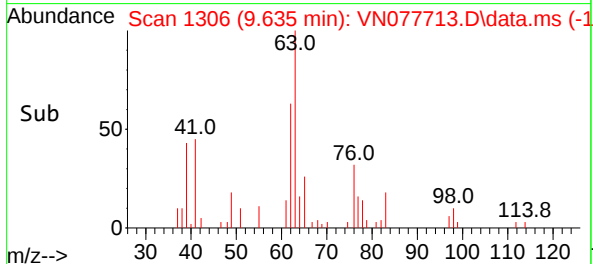
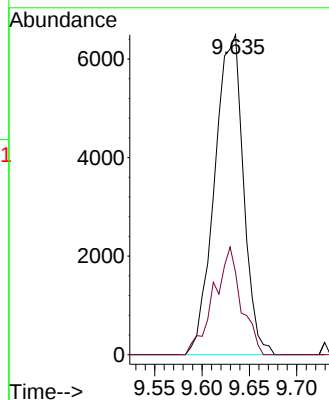
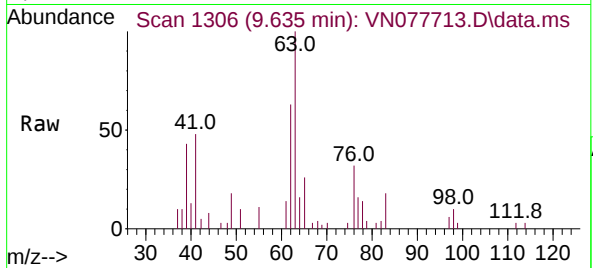
65 25.7 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#46

Dibromomethane

Concen: 2.586 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

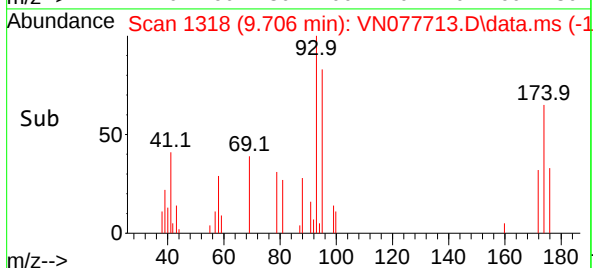
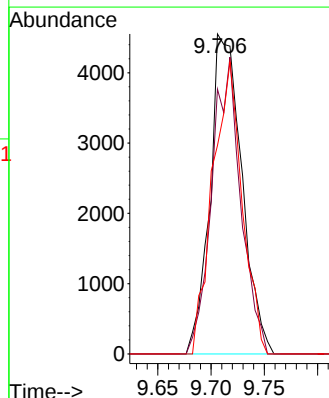
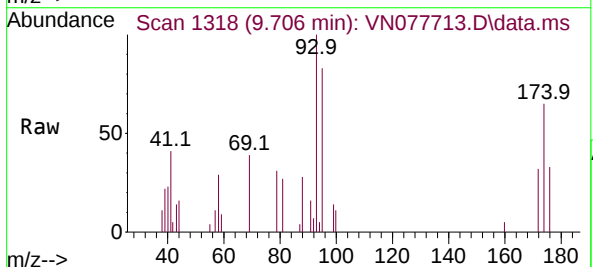
Tgt Ion: 93 Resp: 9439

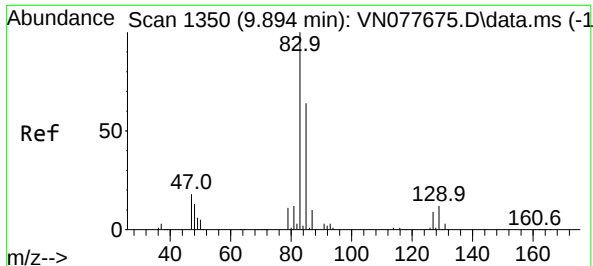
Ion Ratio Lower Upper

93 100

95 84.4 63.8 95.8

174 84.6 65.6 98.4





#47

Bromodichloromethane

Concen: 2.577 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

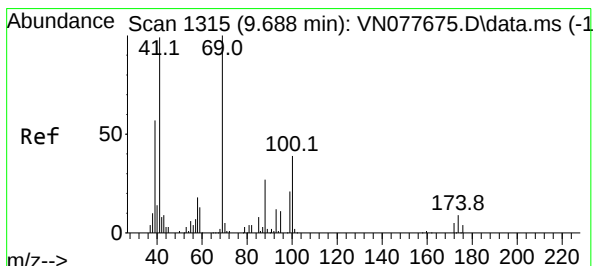
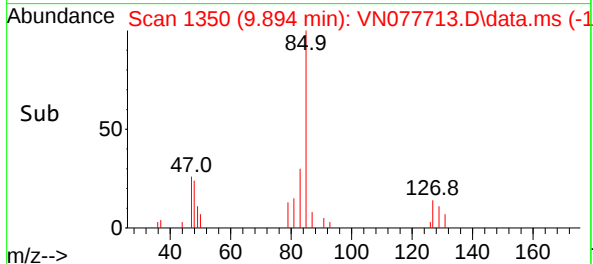
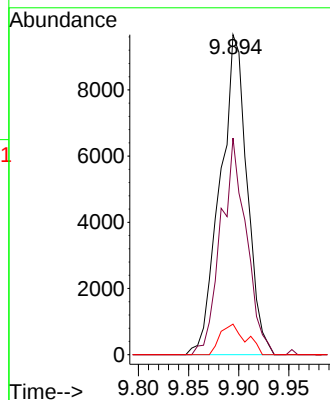
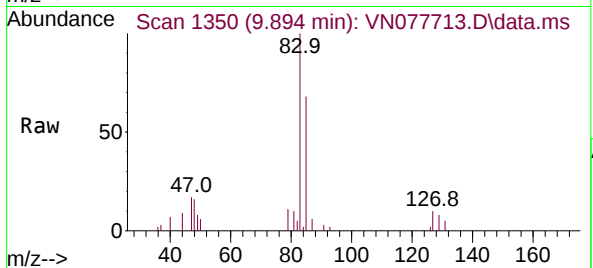
Tgt Ion:	83	Resp:	1801
Ion	Ratio	Lower	Upper
83	100		
85	67.7	49.6	74.4
127	9.6	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#48

Methyl methacrylate

Concen: 2.574 ug/l

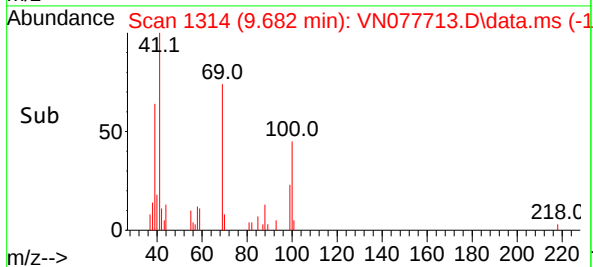
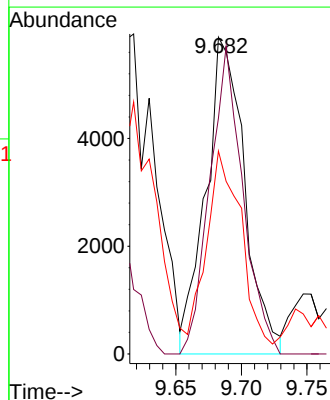
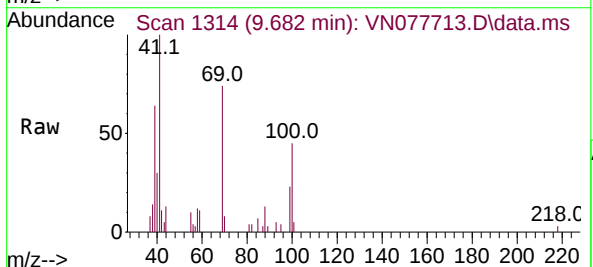
RT: 9.682 min Scan# 1314

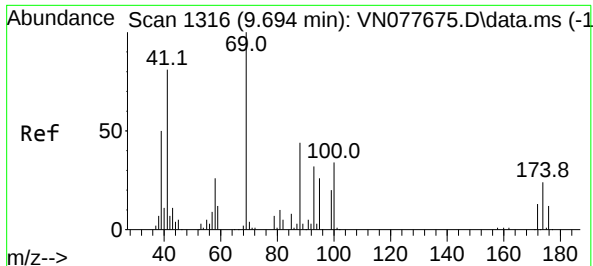
Delta R.T. -0.006 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion:	41	Resp:	12042
Ion	Ratio	Lower	Upper
41	100		
69	83.4	90.4	135.6
39	58.6	54.6	81.8





#49

1,4-Dioxane

Concen: 42.193 ug/l

RT: 9.700 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN077713.D

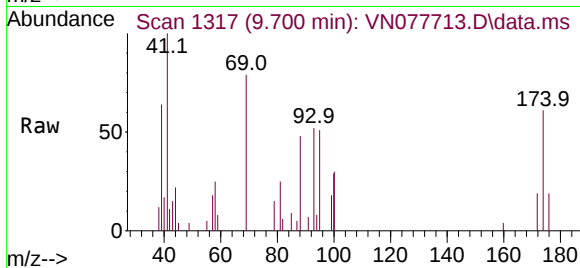
Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



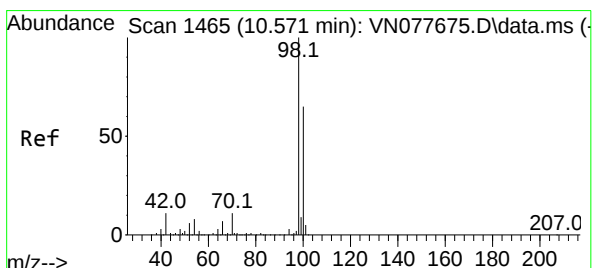
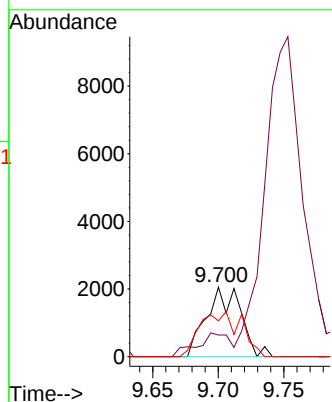
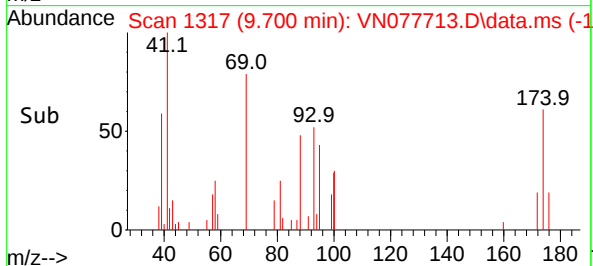
Tgt Ion:	88	Resp:	3728
Ion	Ratio	Lower	Upper
88	100		
43	32.4	17.0	25.6
58	77.8	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#50

Toluene-d8

Concen: 50.889 ug/l

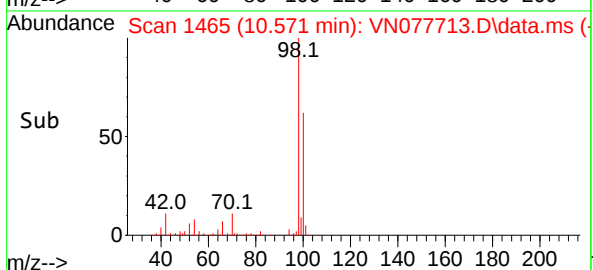
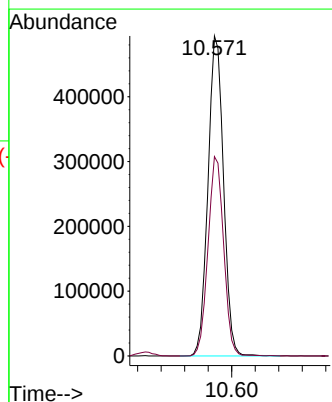
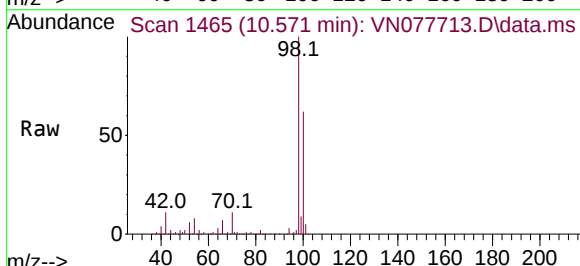
RT: 10.571 min Scan# 1465

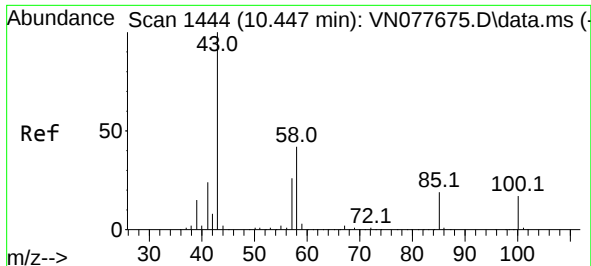
Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion:	98	Resp:	907600
Ion	Ratio	Lower	Upper
98	100		
100	62.8	52.0	78.0





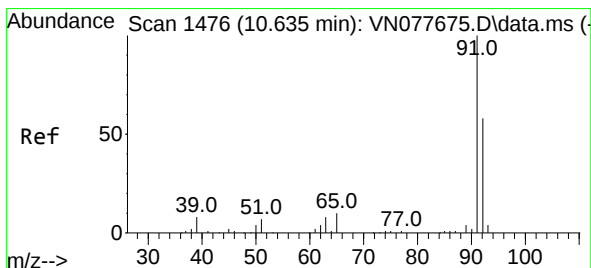
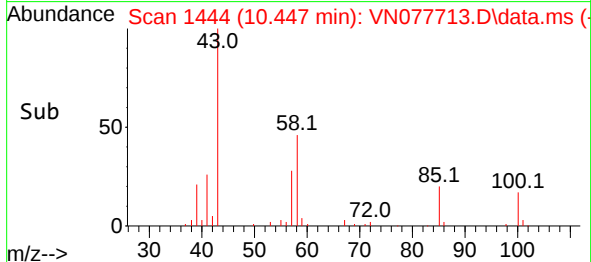
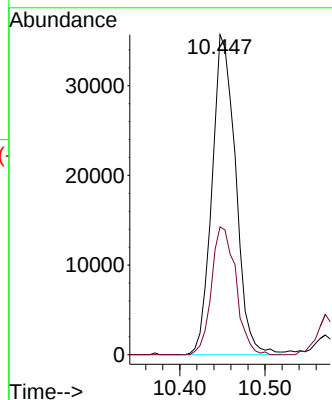
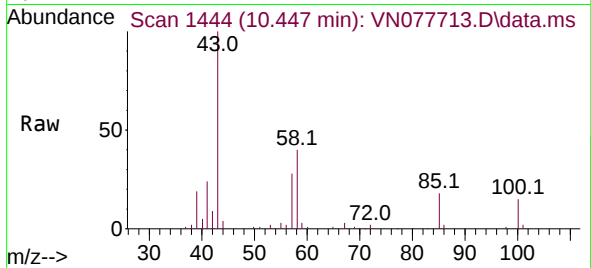
#51
4-Methyl-2-Pentanone
Concen: 11.716 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion: 43 Resp: 6871
Ion Ratio Lower Upper
43 100
58 41.1 36.6 54.8

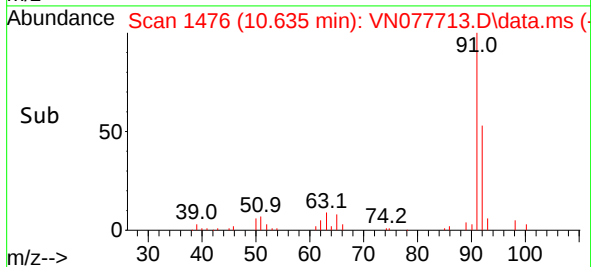
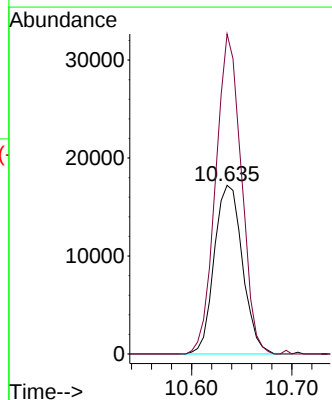
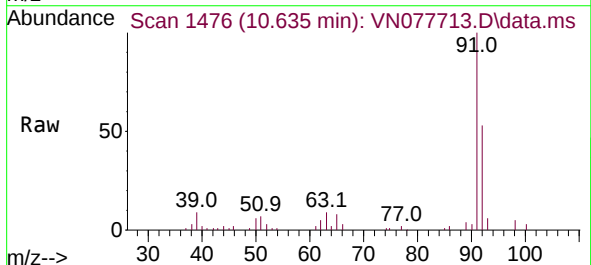
Manual Integrations
APPROVED

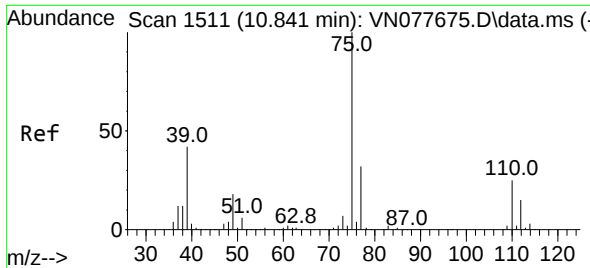
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#52
Toluene
Concen: 2.703 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

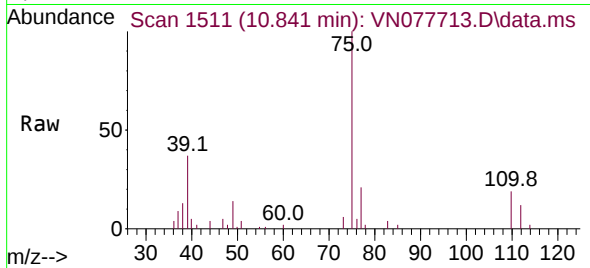
Tgt Ion: 92 Resp: 33653
Ion Ratio Lower Upper
92 100
91 173.0 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 2.462 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

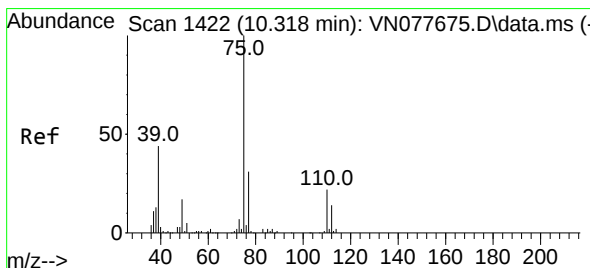
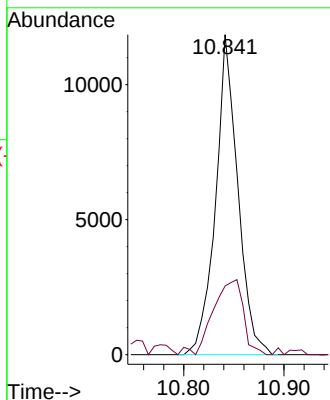
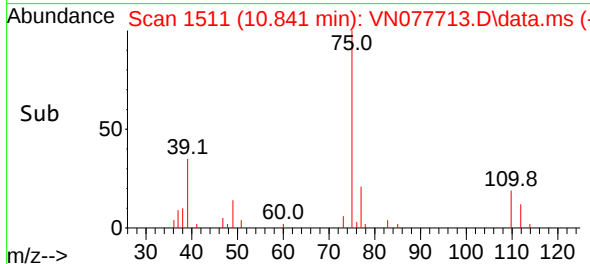
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



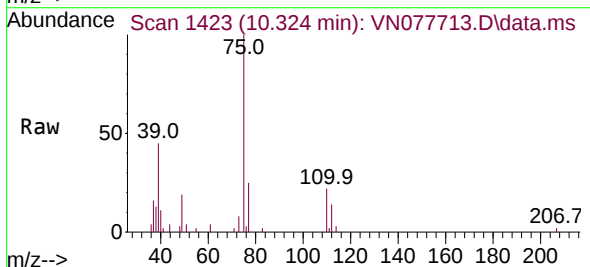
Tgt Ion: 75 Resp: 1822
Ion Ratio Lower Upper
75 100
77 21.4 25.4 38.0

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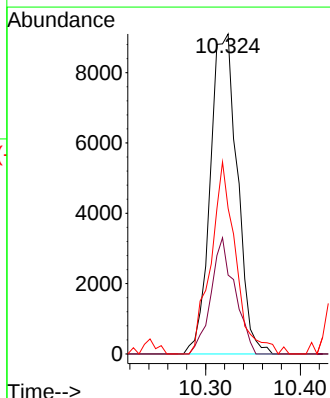
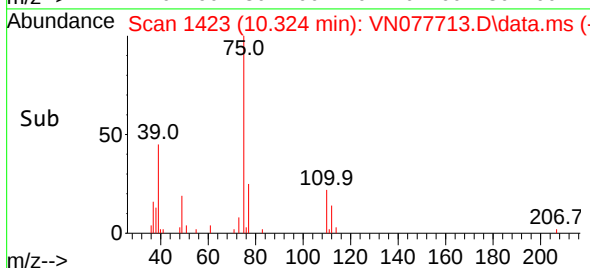
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

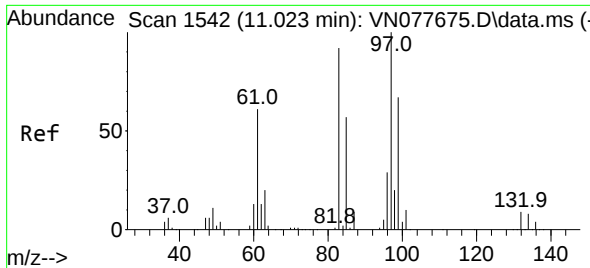


#54
cis-1,3-Dichloropropene
Concen: 2.214 ug/l
RT: 10.324 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56



Tgt Ion: 75 Resp: 18056
Ion Ratio Lower Upper
75 100
77 24.6 26.1 39.1#
39 45.5 31.6 47.4





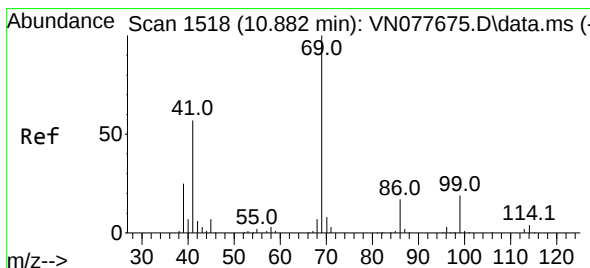
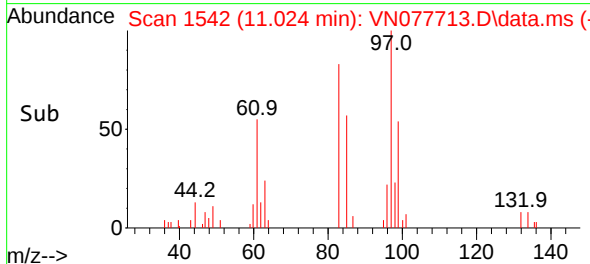
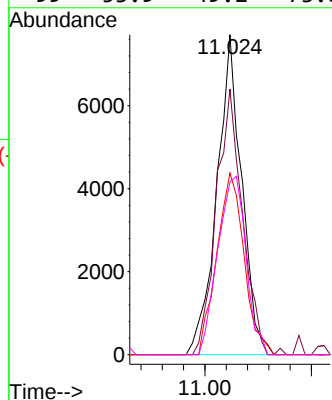
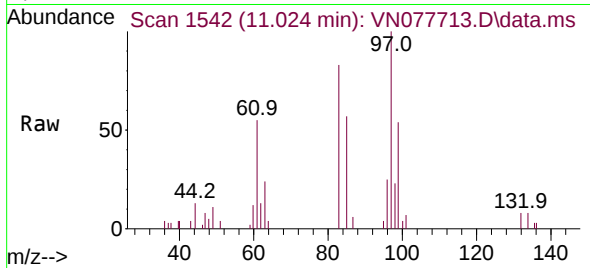
#55
1,1,2-Trichloroethane
Concen: 2.530 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.1	97.7
85	56.7	43.4	65.2
99	53.9	49.2	73.8

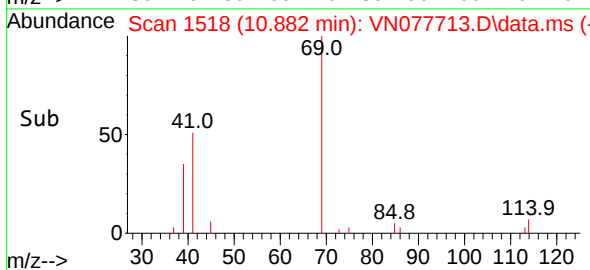
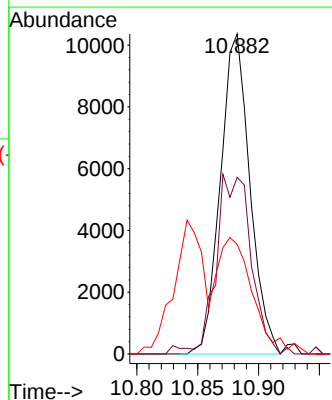
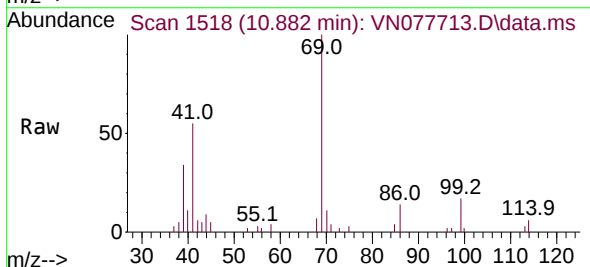
Manual Integrations
APPROVED

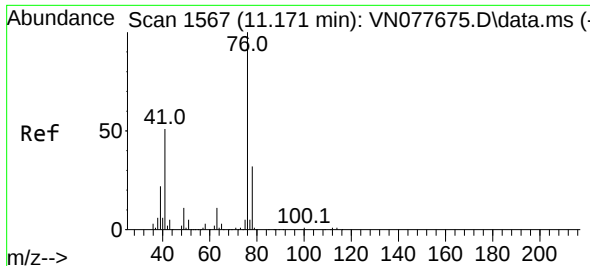
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#56
Ethyl methacrylate
Concen: 2.340 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	39.6	59.4#
39	44.4	28.6	43.0#





#57

1,3-Dichloropropane

Concen: 2.618 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 76 Resp: 2218

Ion Ratio Lower Upper

76 100

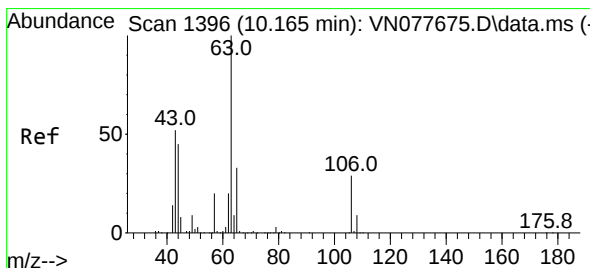
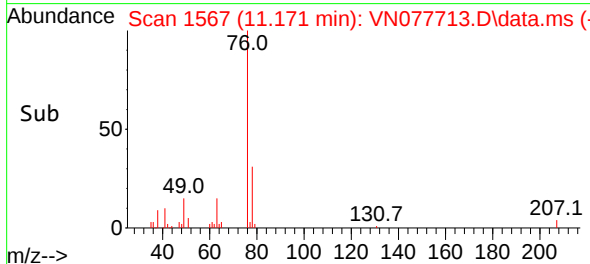
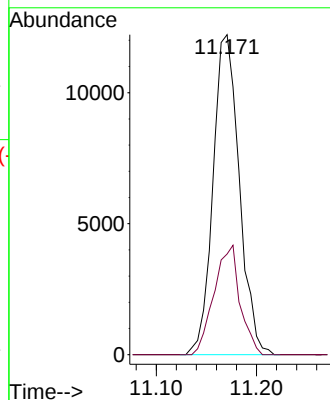
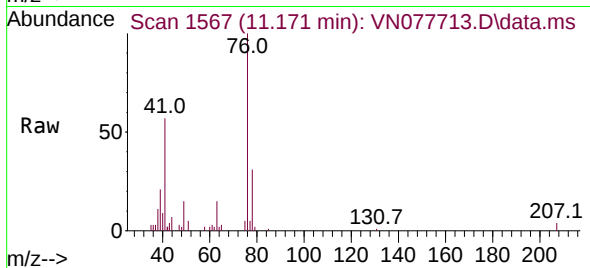
78 33.8 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 11.734 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN077713.D

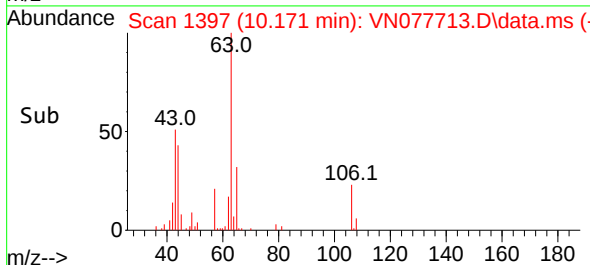
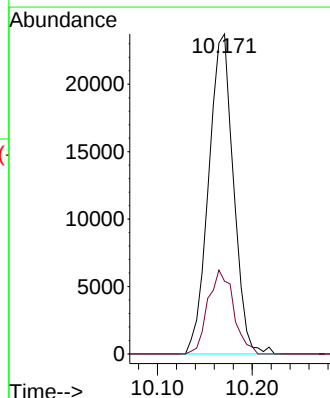
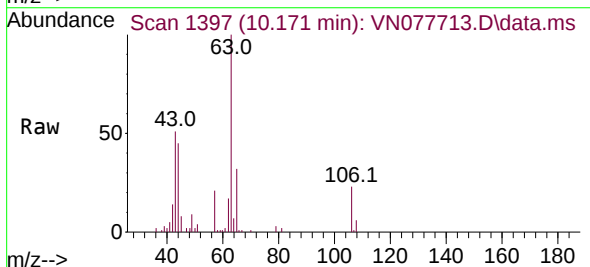
Acq: 17 May 2023 14:56

Tgt Ion: 63 Resp: 43150

Ion Ratio Lower Upper

63 100

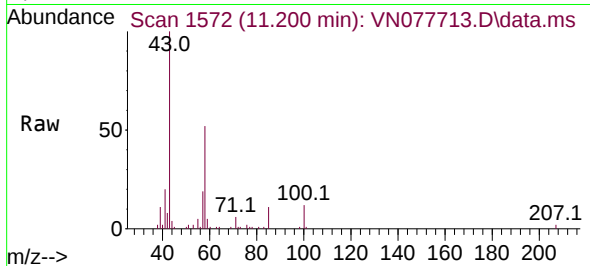
106 27.0 26.2 39.4





#59
2-Hexanone
Concen: 11.662 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

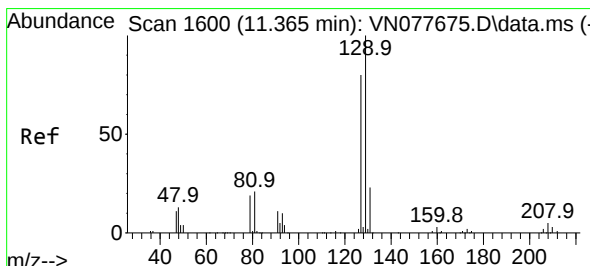
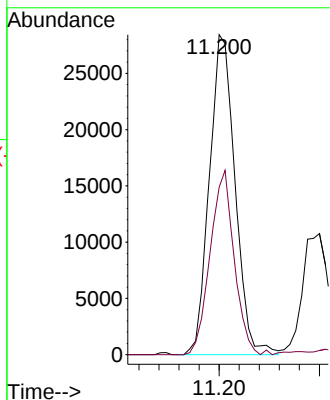
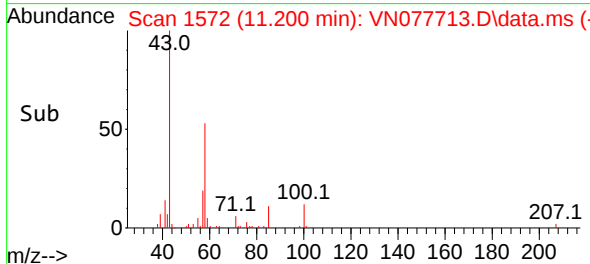
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 43 Resp: 5059
Ion Ratio Lower Upper
43 100
58 53.6 31.7 95.1

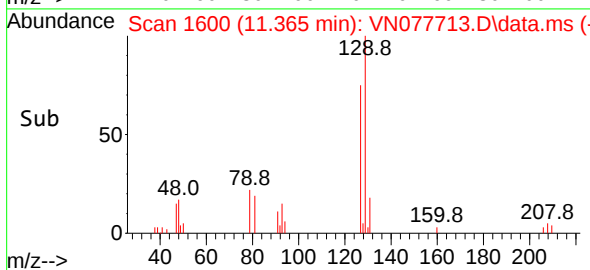
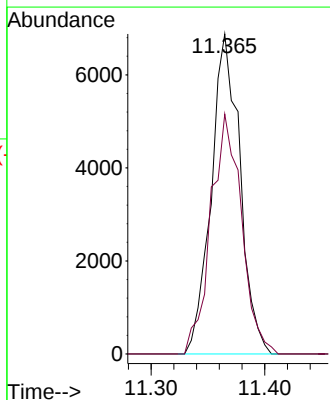
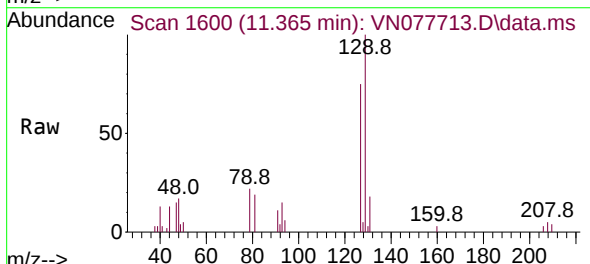
Manual Integrations
APPROVED

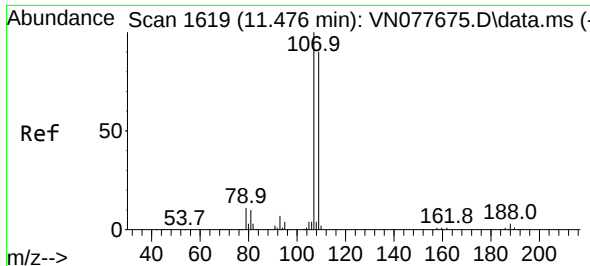
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#60
Dibromochloromethane
Concen: 2.366 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

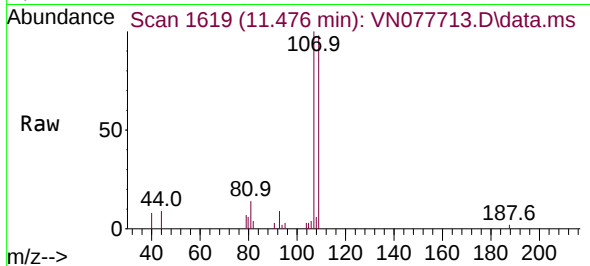
Tgt Ion:129 Resp: 12074
Ion Ratio Lower Upper
129 100
127 80.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 2.434 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

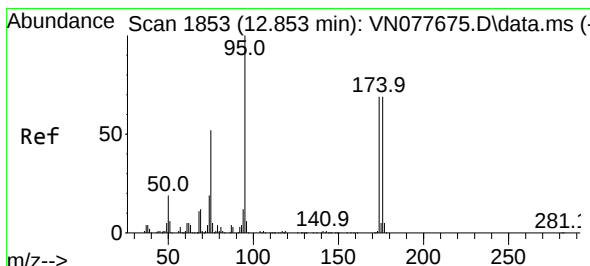
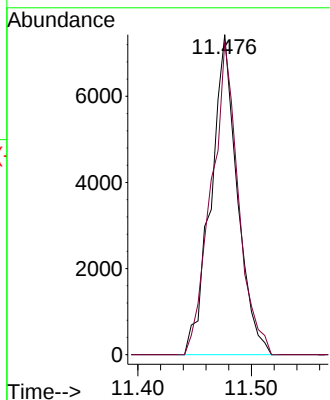
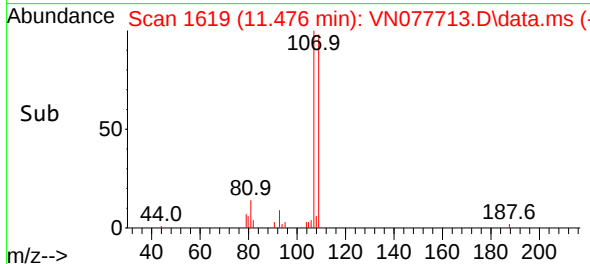
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



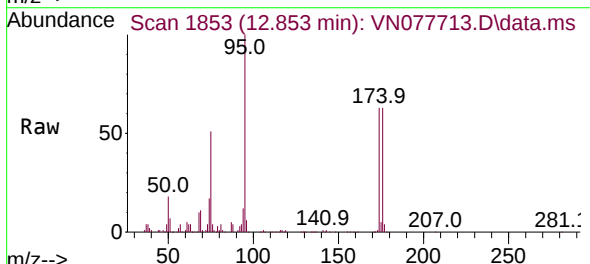
Tgt Ion:107 Resp: 1200
Ion Ratio Lower Upper
107 100
109 100.4 76.6 114.8

Manual Integrations
APPROVED

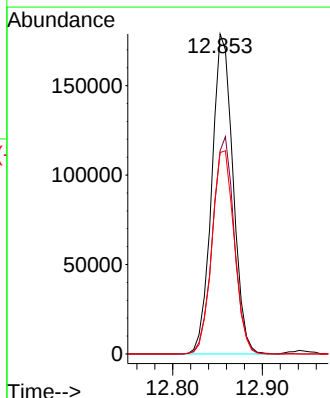
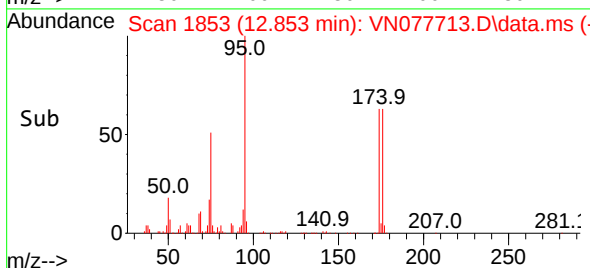
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

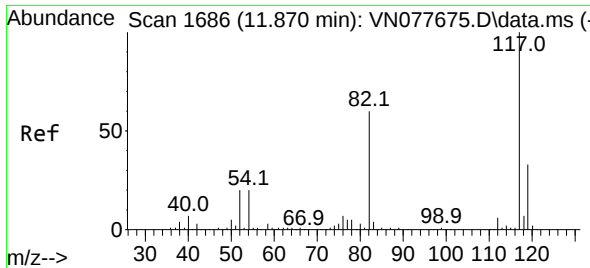


#62
4-Bromofluorobenzene
Concen: 46.703 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56



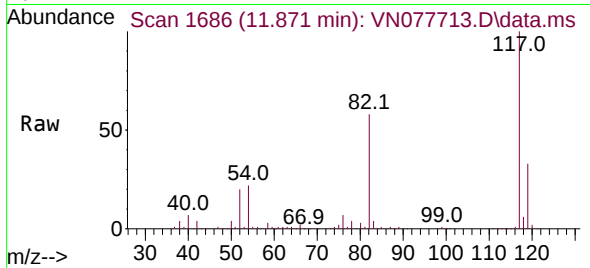
Tgt Ion: 95 Resp: 294180
Ion Ratio Lower Upper
95 100
174 69.0 0.0 143.8
176 66.6 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

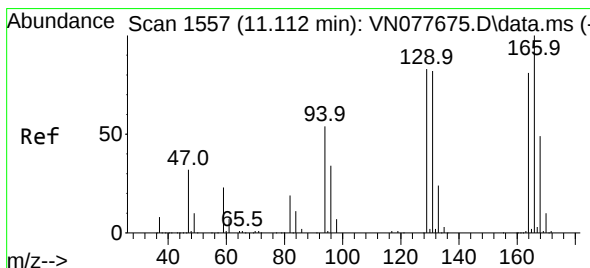
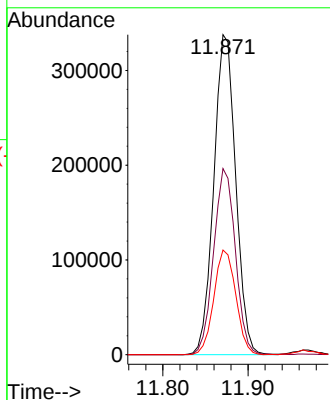
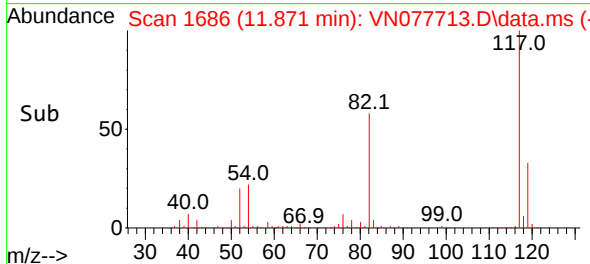
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:117 Resp: 604980
Ion Ratio Lower Upper
117 100
82 58.1 44.0 66.0
119 32.7 25.6 38.4

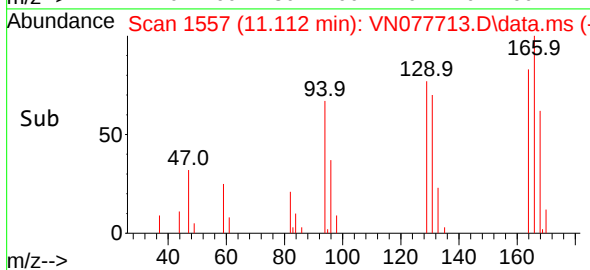
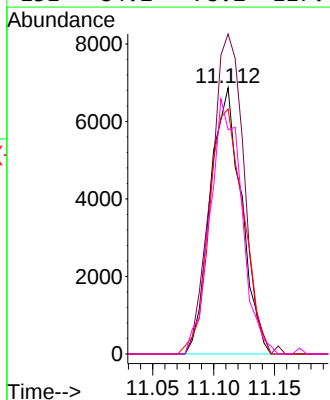
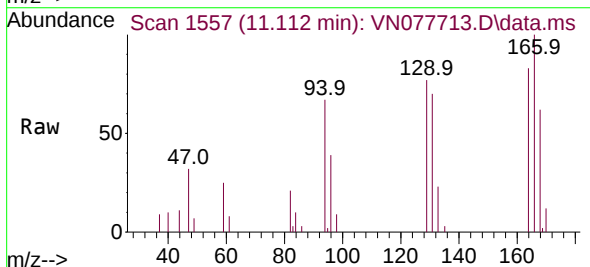
Manual Integrations
APPROVED

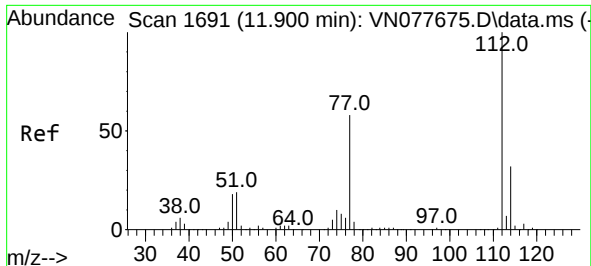
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#64
Tetrachloroethene
Concen: 2.899 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion:164 Resp: 12267
Ion Ratio Lower Upper
164 100
166 120.2 101.4 152.0
129 92.0 82.4 123.6
131 84.2 78.2 117.4





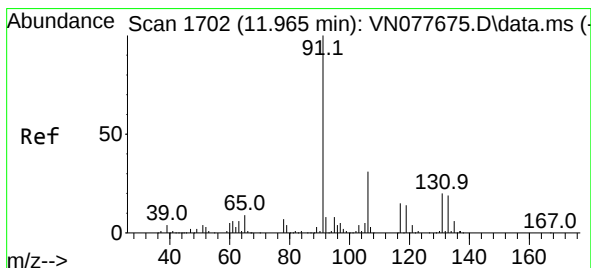
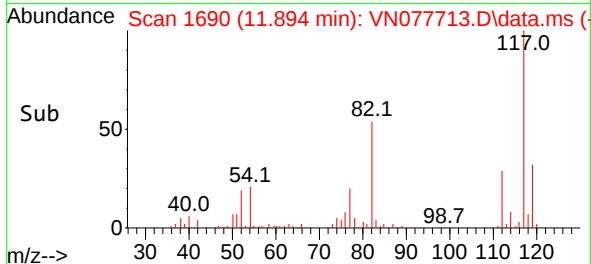
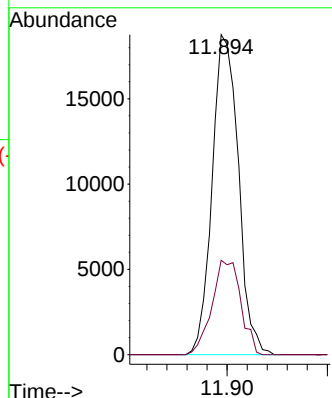
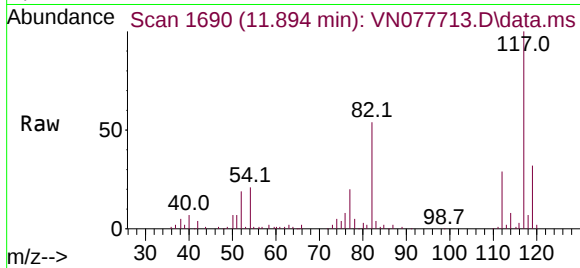
#65
Chlorobenzene
Concen: 2.597 ug/l
RT: 11.894 min Scan# 1112
Delta R.T. -0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023

Tgt Ion:112 Resp: 3406
Ion Ratio Lower Upper
112 100
114 29.5 25.0 37.4

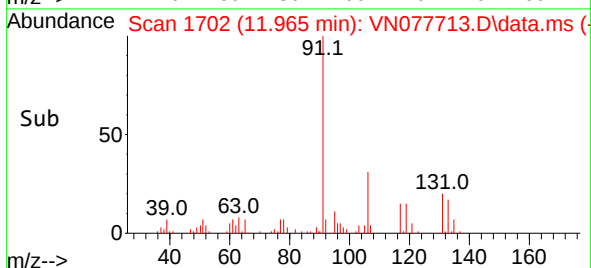
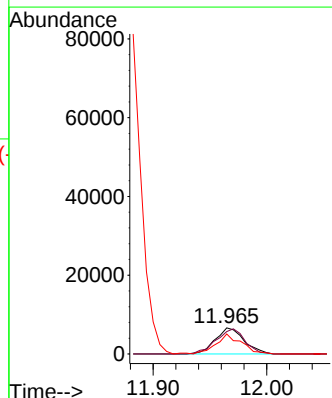
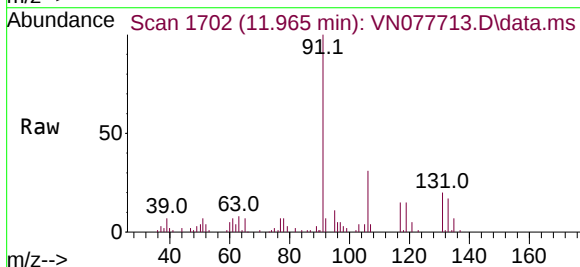
Manual Integrations
APPROVED

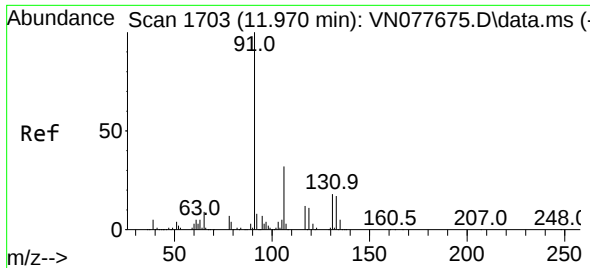
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.565 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

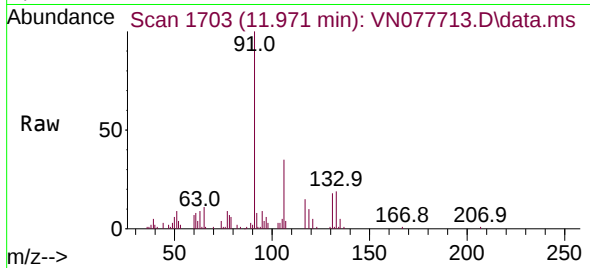
Tgt Ion:131 Resp: 11638
Ion Ratio Lower Upper
131 100
133 96.1 46.4 139.1
119 66.7 34.1 102.2





#67
Ethyl Benzene
Concen: 2.501 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

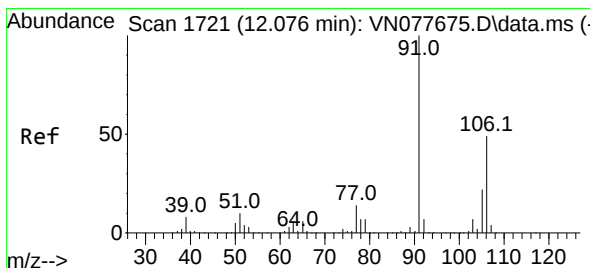
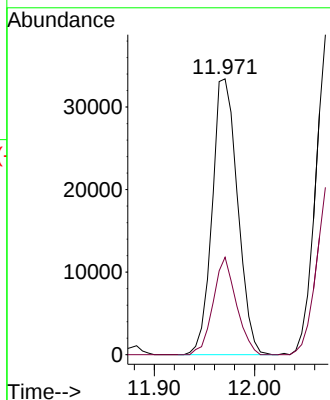
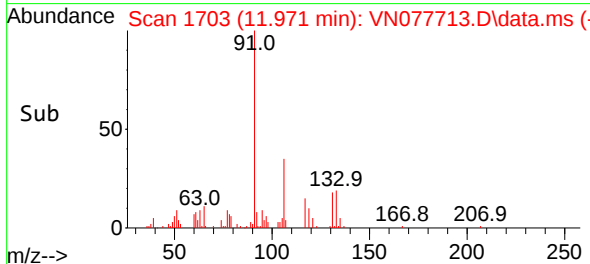
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



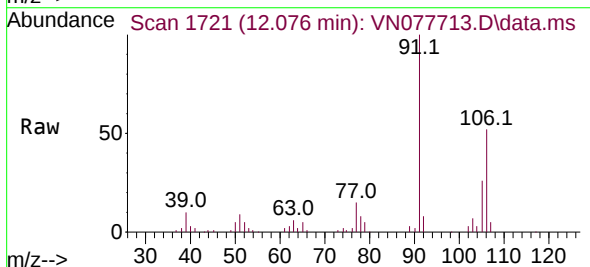
Tgt Ion: 91 Resp: 58779
Ion Ratio Lower Upper
91 100
106 35.3 25.6 38.4

Manual Integrations
APPROVED

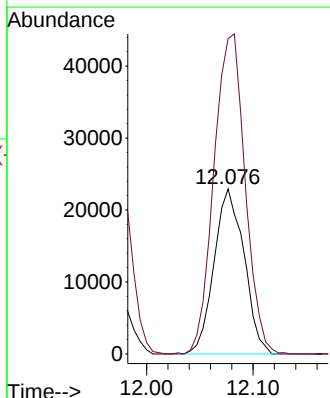
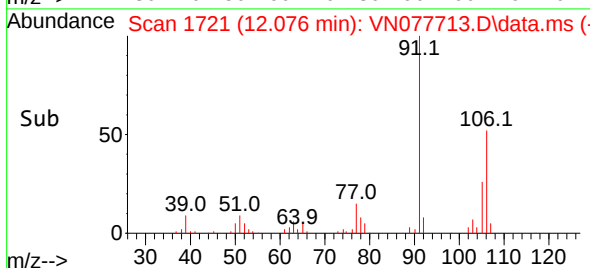
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

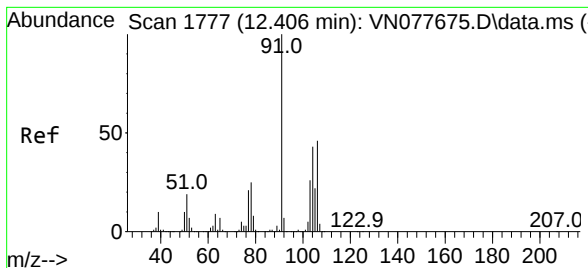


#68
m/p-Xylenes
Concen: 5.034 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56



Tgt Ion:106 Resp: 44831
Ion Ratio Lower Upper
106 100
91 201.9 159.6 239.4





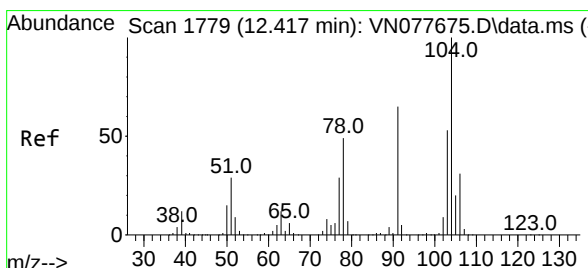
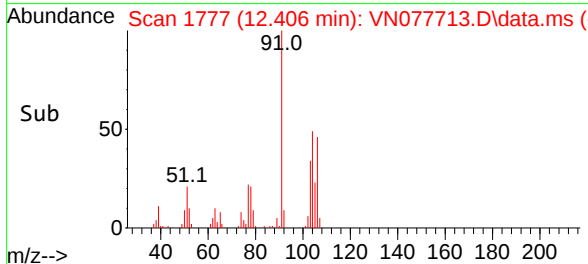
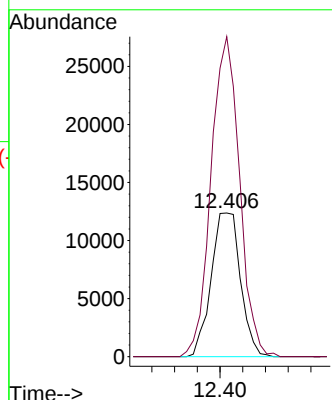
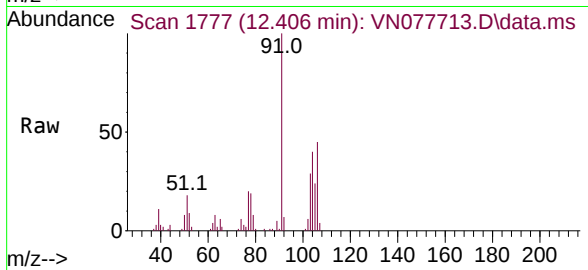
#69
o-Xylene
Concen: 2.536 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023

Tgt Ion:106 Resp: 22210
Ion Ratio Lower Upper
106 100
91 216.1 105.2 315.5

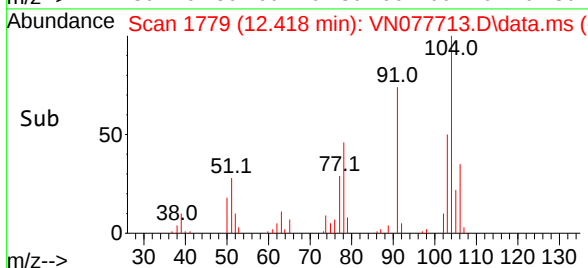
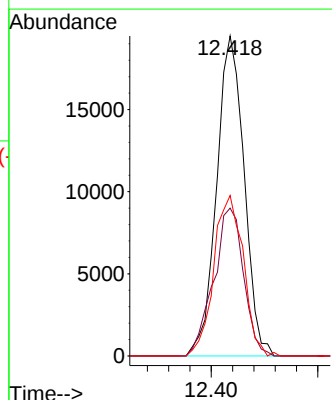
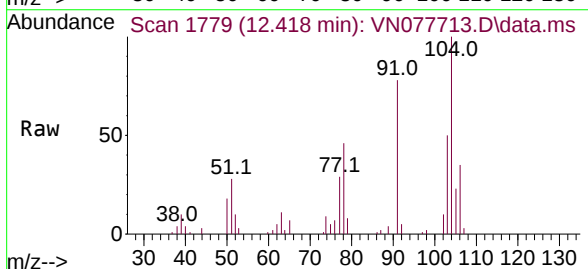
Manual Integrations
APPROVED

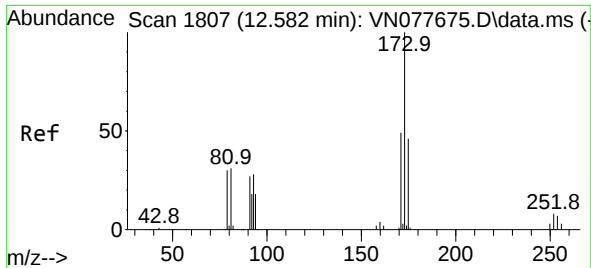
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#70
Styrene
Concen: 2.510 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

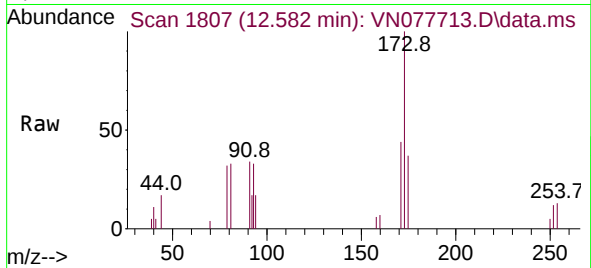
Tgt Ion:104 Resp: 34918
Ion Ratio Lower Upper
104 100
78 50.3 39.5 59.3
103 53.8 43.2 64.8





#71
Bromoform
Concen: 2.560 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

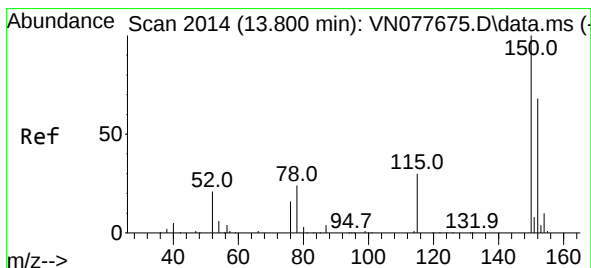
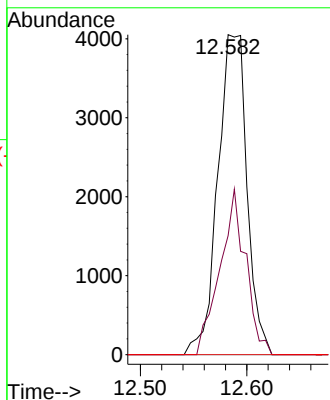
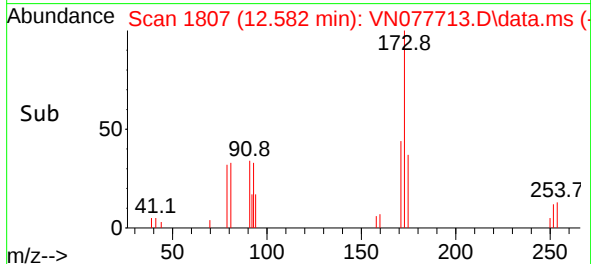
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



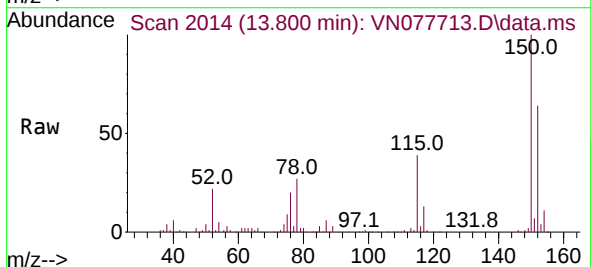
Tgt Ion:173 Resp: 7729
Ion Ratio Lower Upper
173 100
175 45.7 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

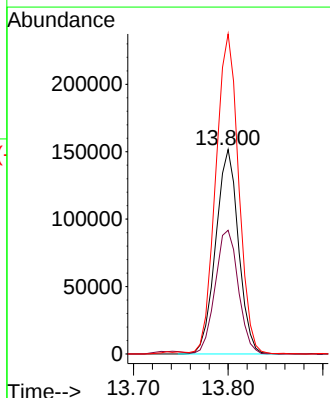
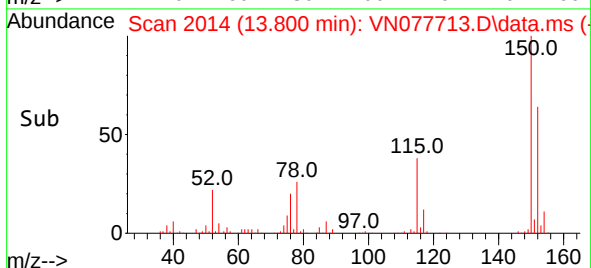
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

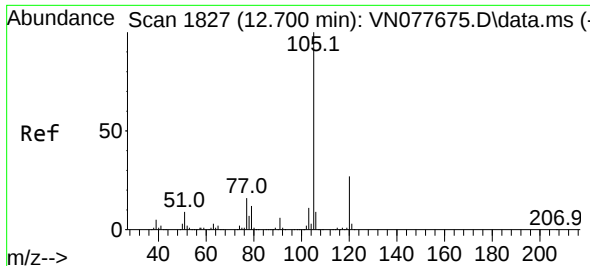


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56



Tgt Ion:152 Resp: 253070
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 157.5 0.0 355.8





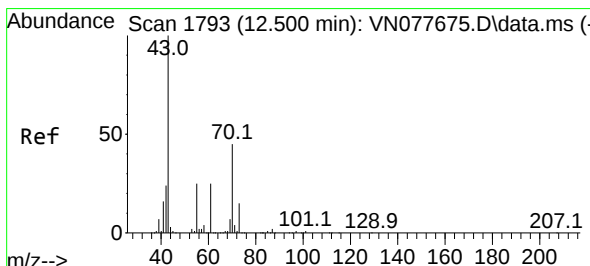
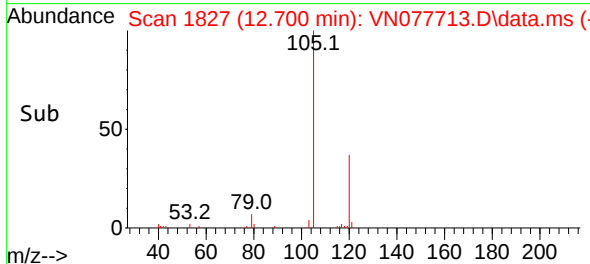
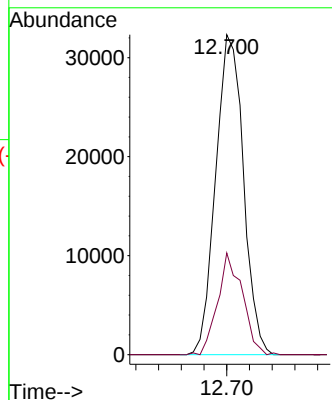
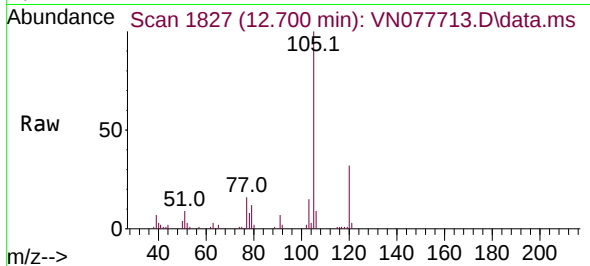
#73
Isopropylbenzene
Concen: 2.512 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023

Tgt Ion:105 Resp: 54790
Ion Ratio Lower Upper
105 100
120 28.3 13.1 39.1

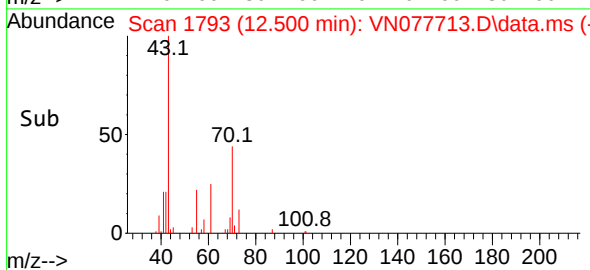
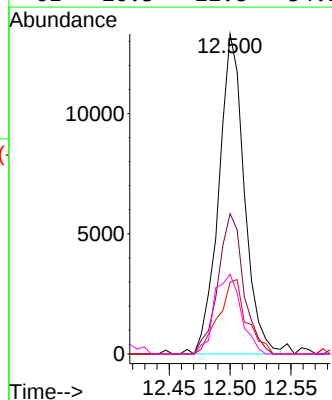
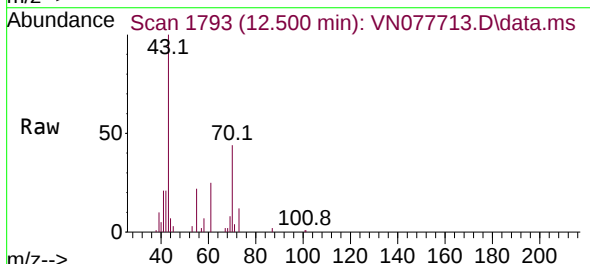
Manual Integrations
APPROVED

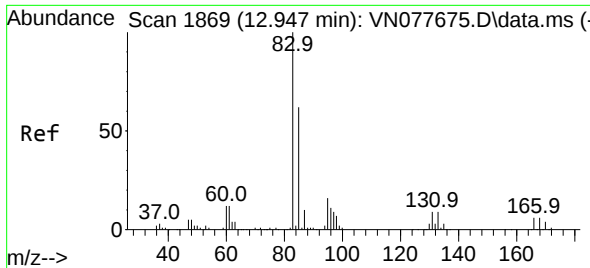
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#74
N-ethyl acetate
Concen: 2.412 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

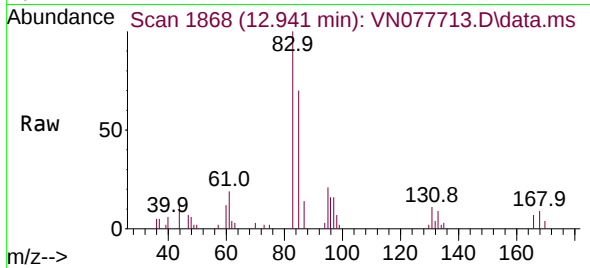
Tgt Ion: 43 Resp: 19450
Ion Ratio Lower Upper
43 100
70 43.7 43.4 65.2
55 25.2 21.4 32.0
61 26.3 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 2.566 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

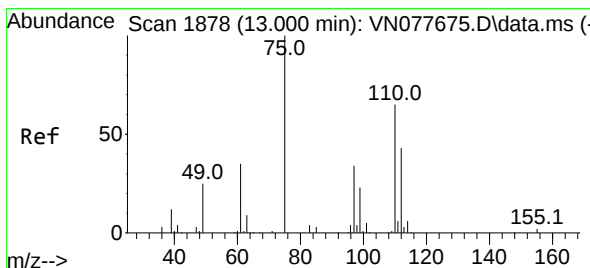
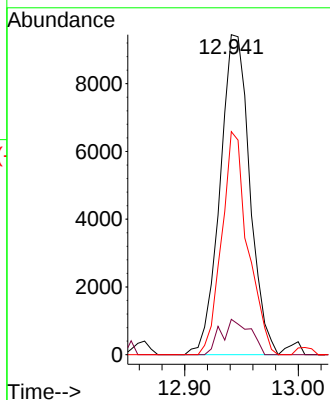
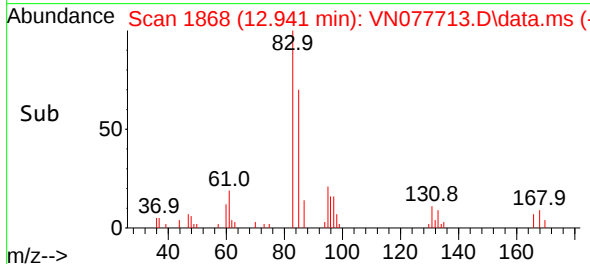
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 83 Resp: 1722
Ion Ratio Lower Upper
83 100
131 10.9 5.0 15.0
85 61.0 31.9 95.7

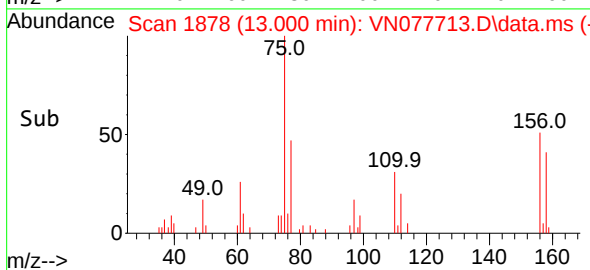
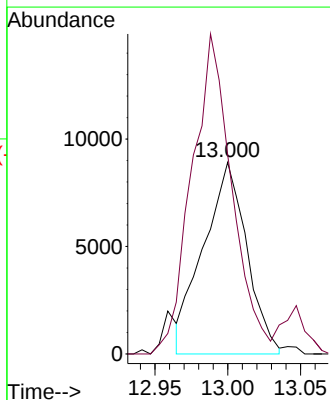
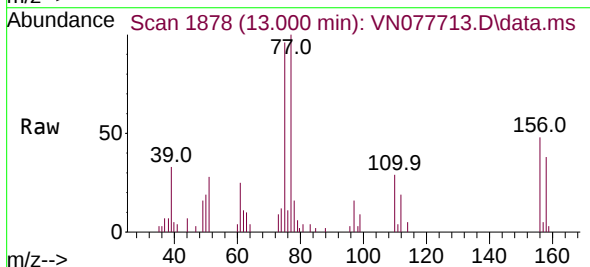
Manual Integrations
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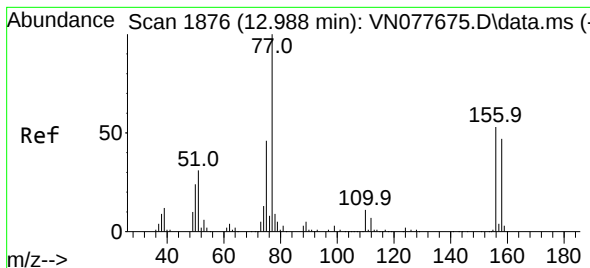
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#76
1,2,3-Trichloropropane
Concen: 2.908 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion: 75 Resp: 18431
Ion Ratio Lower Upper
75 100
77 154.7 84.5 253.5





#77

Bromobenzene

Concen: 2.682 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

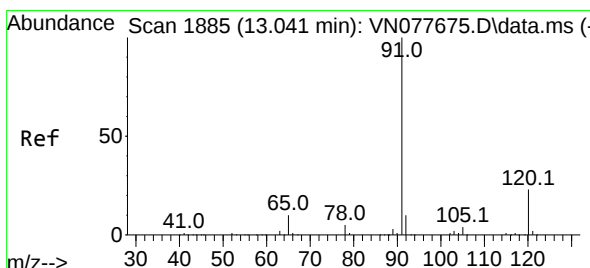
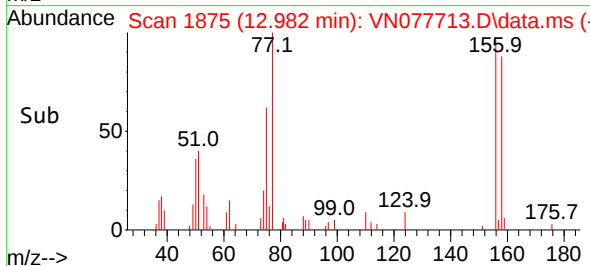
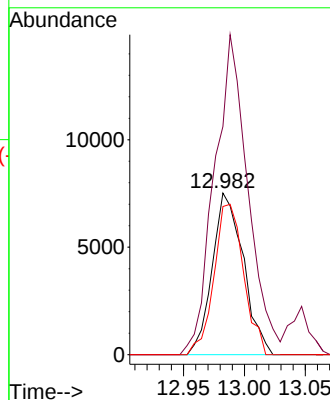
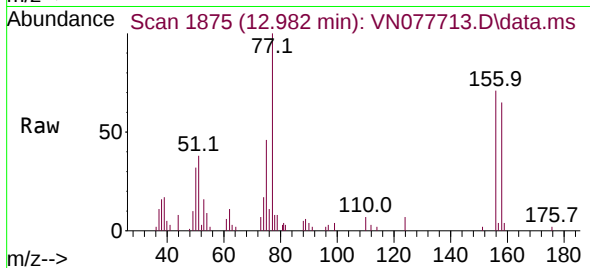
Tgt Ion:156 Resp: 1335
 Ion Ratio Lower Upper
 156 100
 77 213.6 107.7 323.3
 158 88.7 48.4 145.3

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#78

n-propylbenzene

Concen: 2.579 ug/l

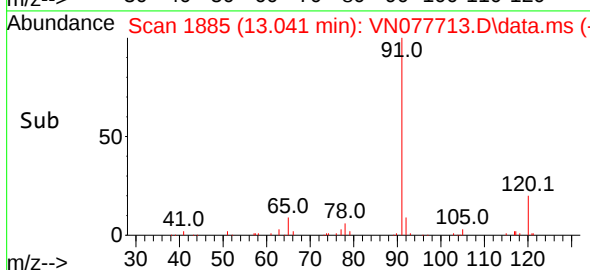
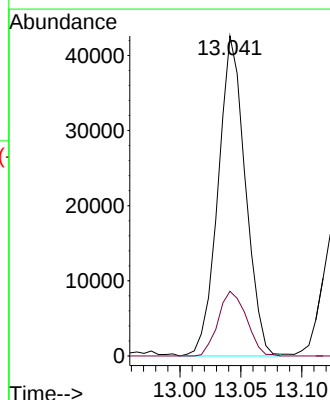
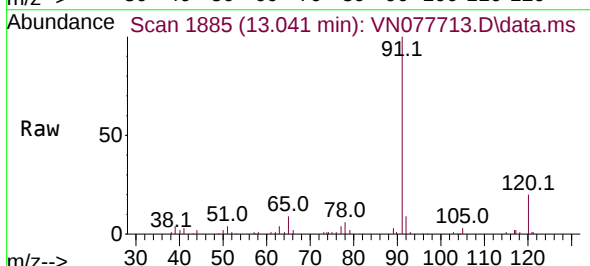
RT: 13.041 min Scan# 1885

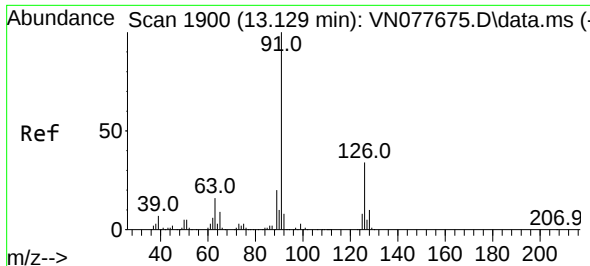
Delta R.T. 0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion: 91 Resp: 66315
 Ion Ratio Lower Upper
 91 100
 120 20.9 11.5 34.4





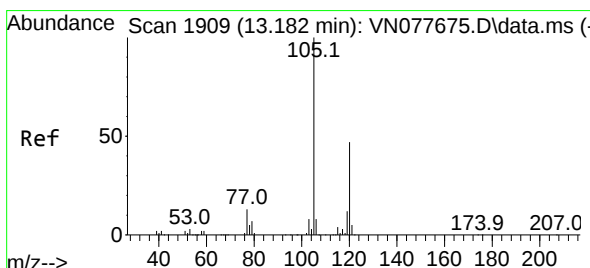
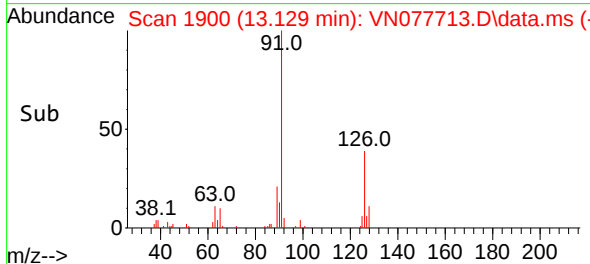
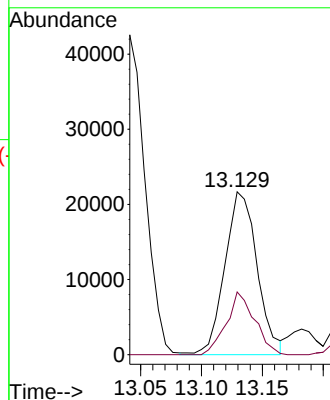
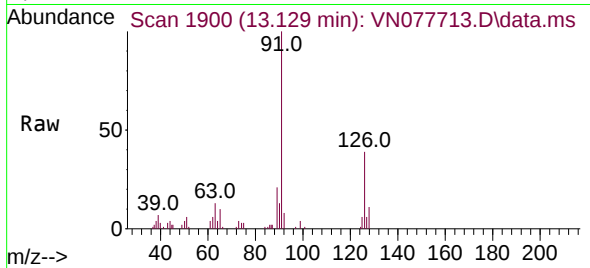
#79
2-Chlorotoluene
Concen: 2.603 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion: 91 Resp: 39940
Ion Ratio Lower Upper
91 100
126 33.7 16.3 48.8

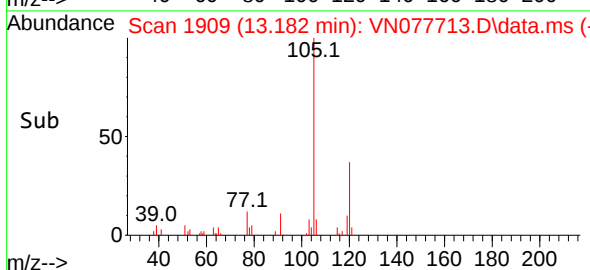
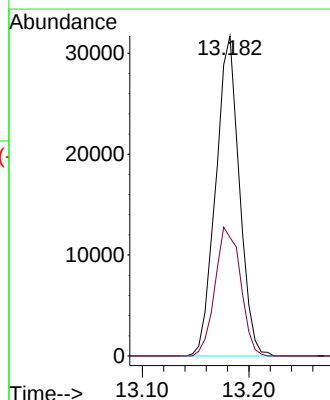
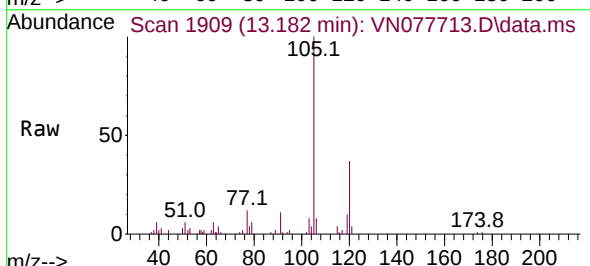
Manual Integrations
APPROVED

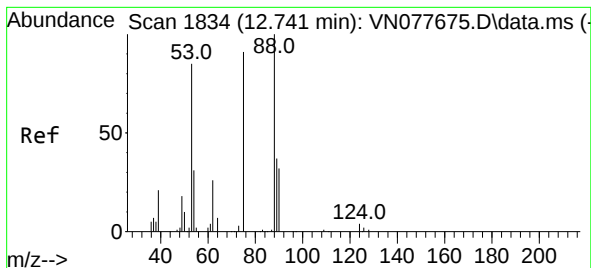
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 2.657 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

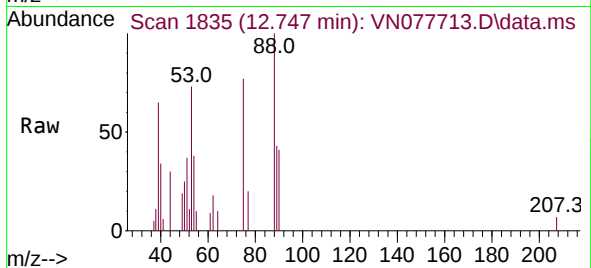
Tgt Ion:105 Resp: 48712
Ion Ratio Lower Upper
105 100
120 43.4 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 1.729 ug/l m
RT: 12.747 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

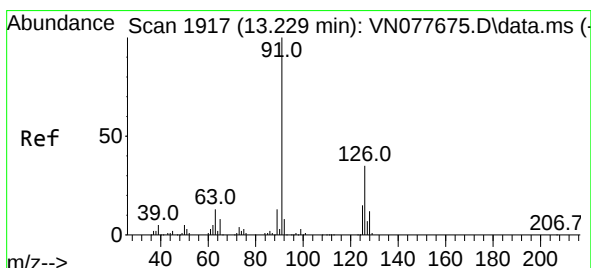
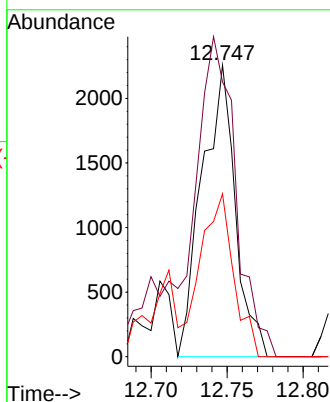
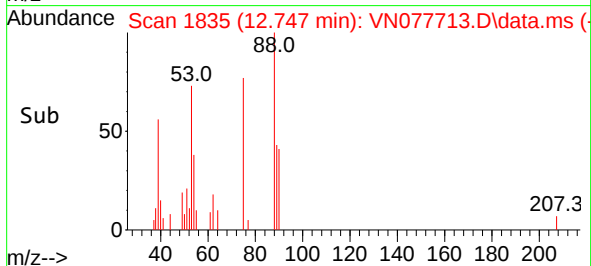
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 75 Resp: 3429
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2
89 0.0 38.8 58.2

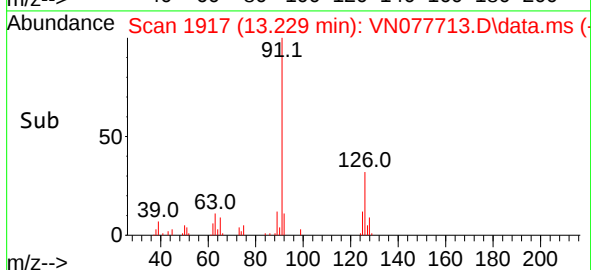
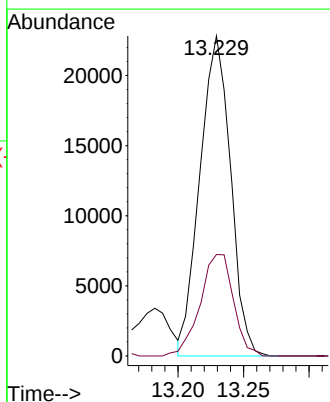
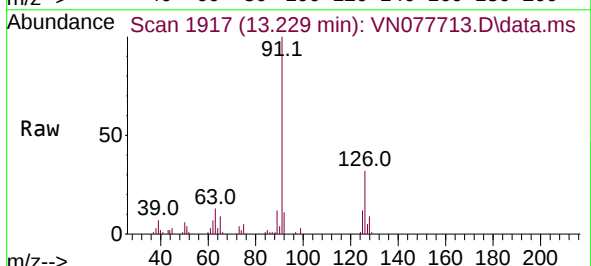
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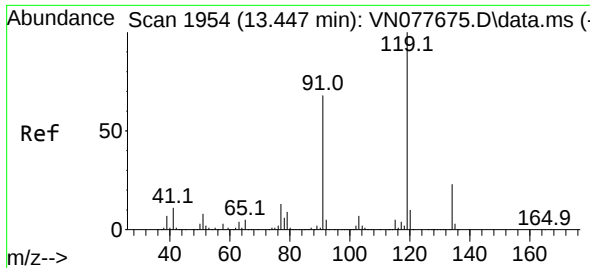
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#82
4-Chlorotoluene
Concen: 2.429 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

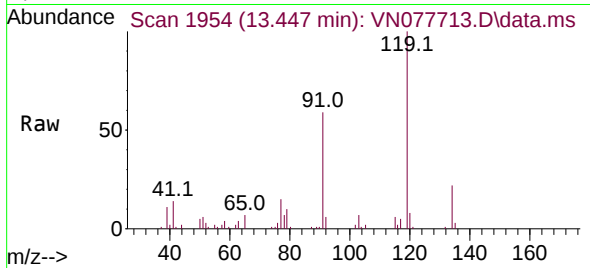
Tgt Ion: 91 Resp: 37089
Ion Ratio Lower Upper
91 100
126 34.4 16.7 50.0





#83
tert-Butylbenzene
Concen: 2.573 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

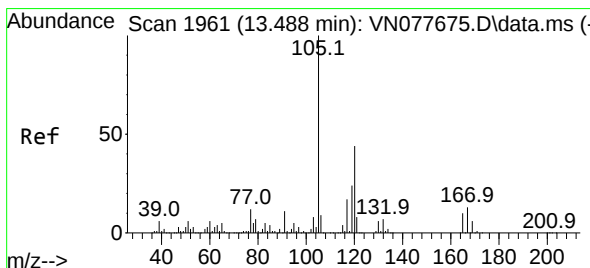
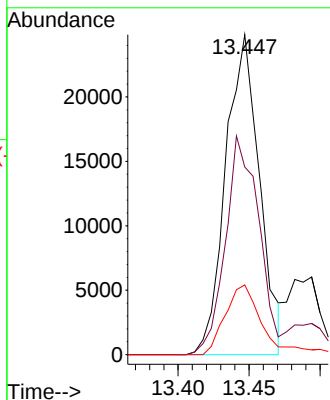
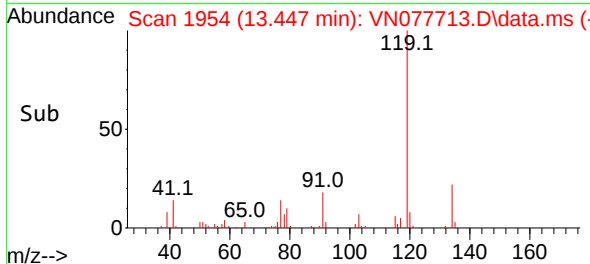
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion:119 Resp: 41180
Ion Ratio Lower Upper
119 100
91 68.8 33.9 101.7
134 23.9 13.2 39.6

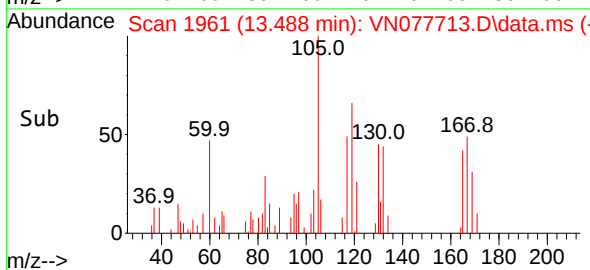
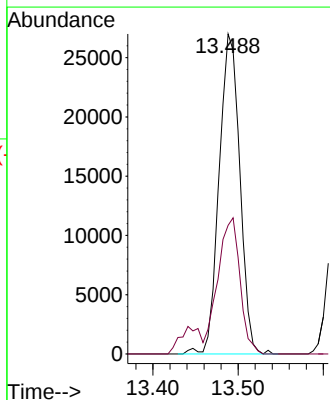
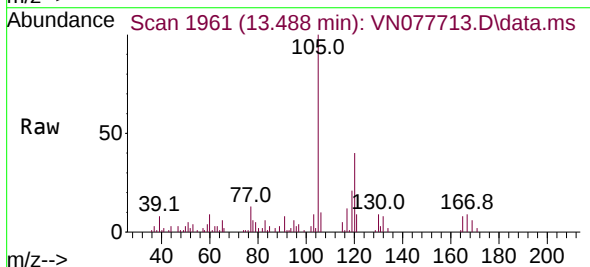
Manual Integrations
APPROVED

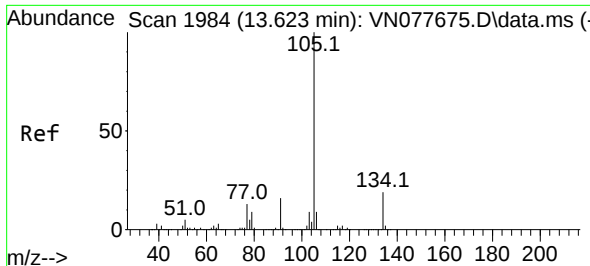
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#84
1,2,4-Trimethylbenzene
Concen: 2.526 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion:105 Resp: 45549
Ion Ratio Lower Upper
105 100
120 45.6 22.0 66.0





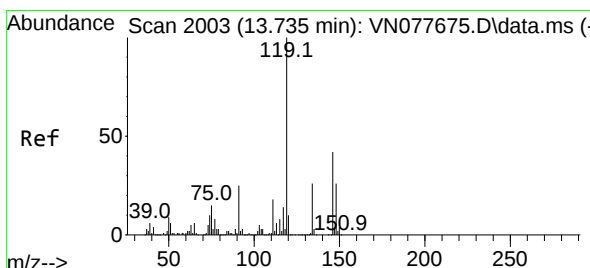
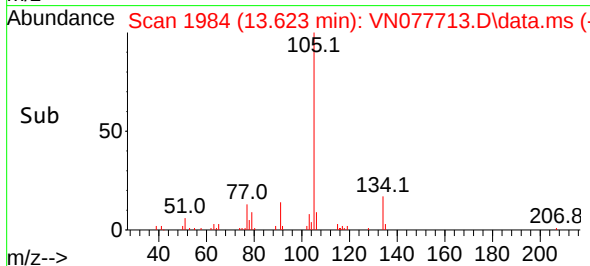
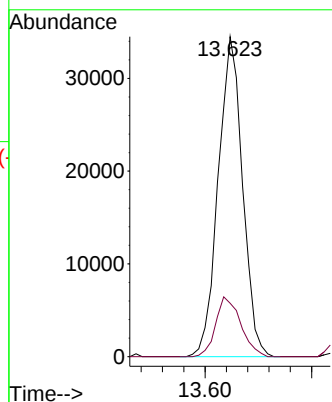
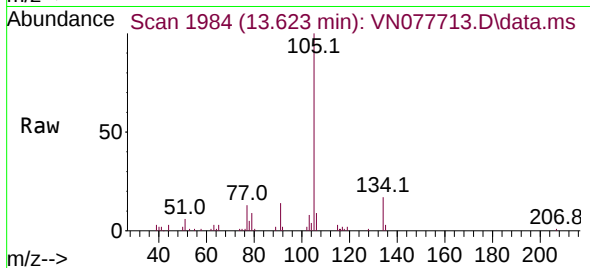
#85
 sec-Butylbenzene
 Concen: 2.401 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Tgt Ion:105 Resp: 5461
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.3

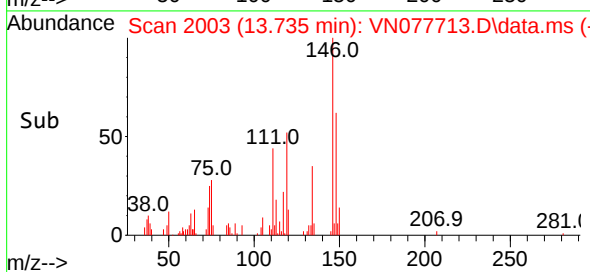
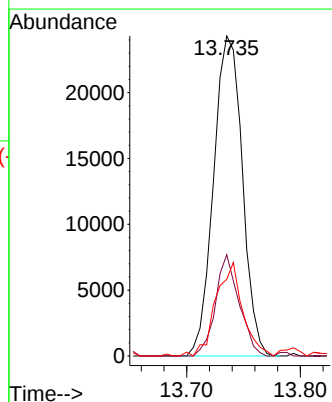
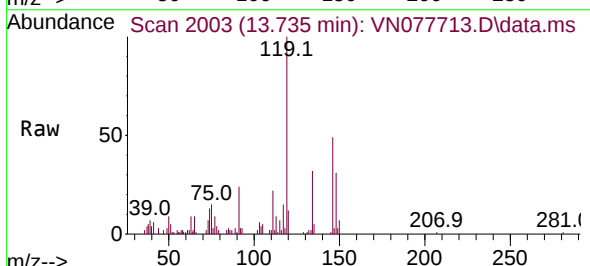
Manual Integrations
 APPROVED

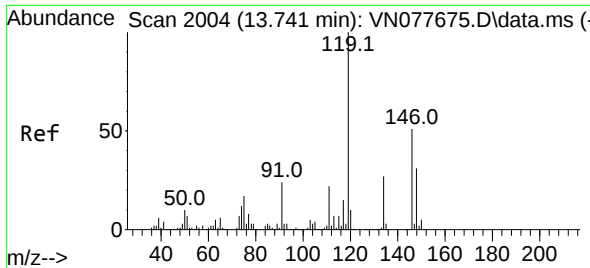
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#86
 p-Isopropyltoluene
 Concen: 2.357 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077713.D
 Acq: 17 May 2023 14:56

Tgt Ion:119 Resp: 42743
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.6 37.8
 91 27.2 12.4 37.2





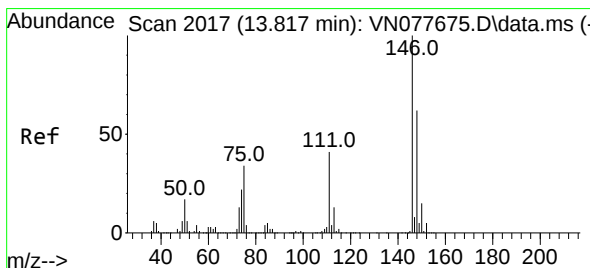
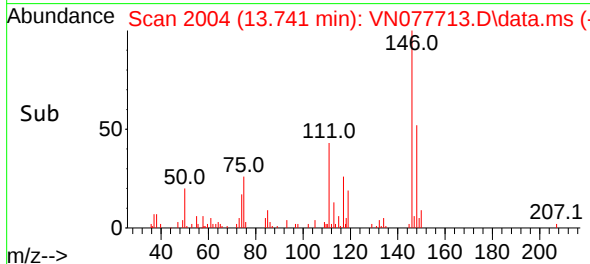
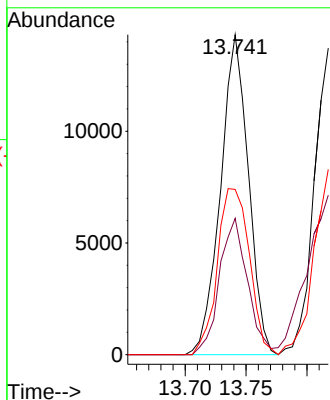
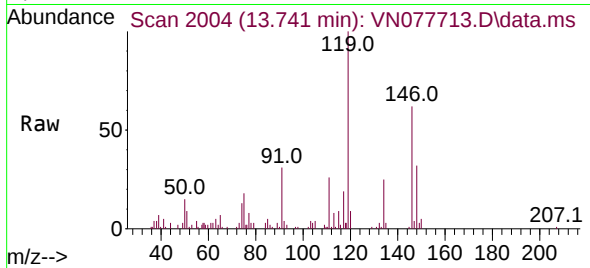
#87
1,3-Dichlorobenzene
Concen: 2.483 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion:146 Resp: 2285
Ion Ratio Lower Upper
146 100
111 42.9 22.1 66.3
148 59.7 32.0 96.0

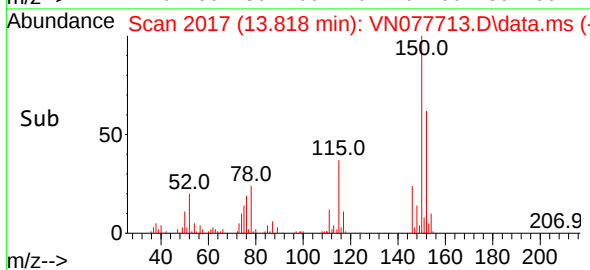
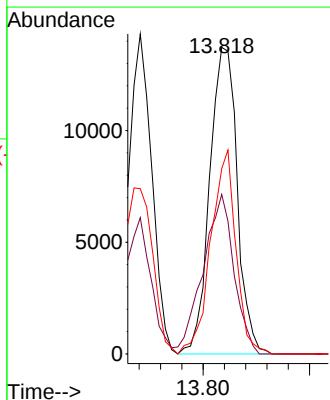
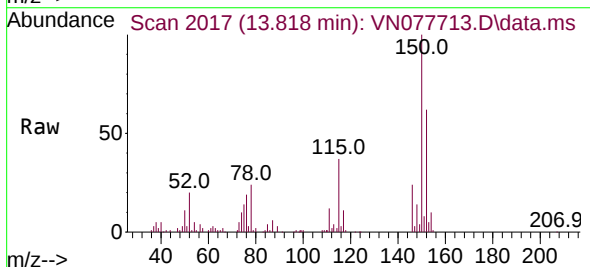
Manual Integrations
APPROVED

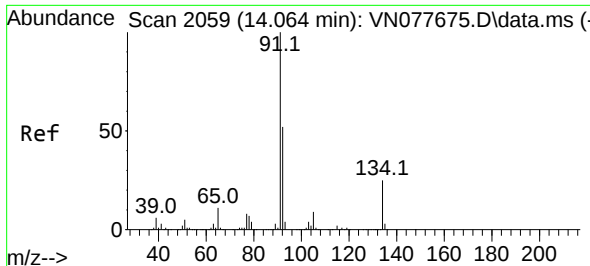
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#88
1,4-Dichlorobenzene
Concen: 2.695 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion:146 Resp: 24618
Ion Ratio Lower Upper
146 100
111 58.5 20.6 61.8
148 60.8 31.6 94.8





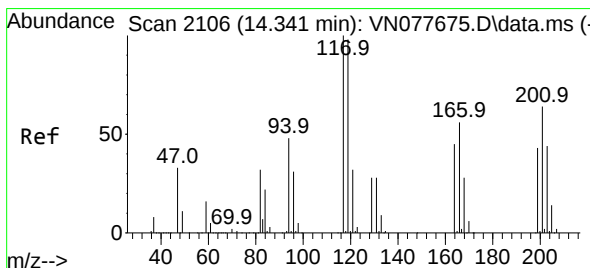
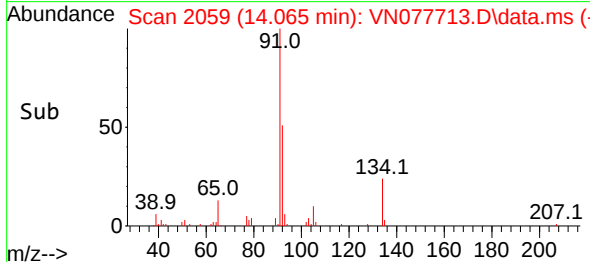
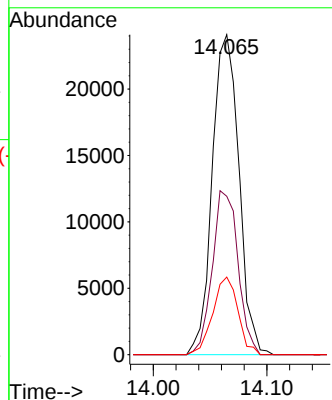
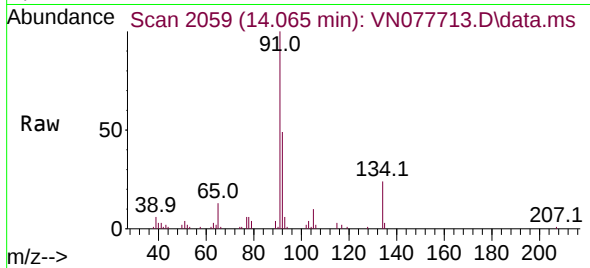
#89
n-Butylbenzene
Concen: 2.353 ug/l
RT: 14.065 min Scan# 2059
Delta R.T. 0.001 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023

Tgt Ion: 91 Resp: 3925
Ion Ratio Lower Upper
91 100
92 49.4 26.4 79.0
134 23.0 12.6 37.6

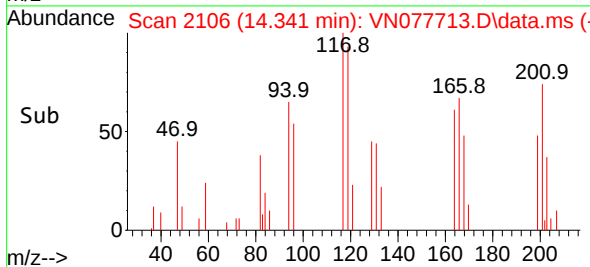
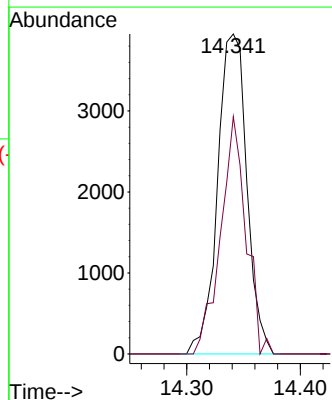
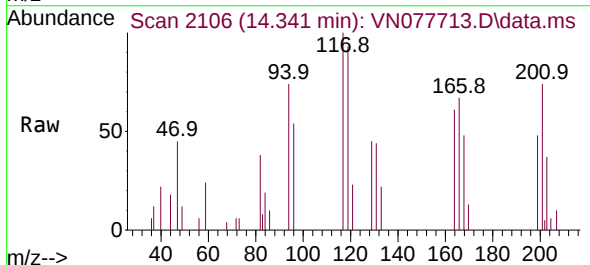
Manual Integrations
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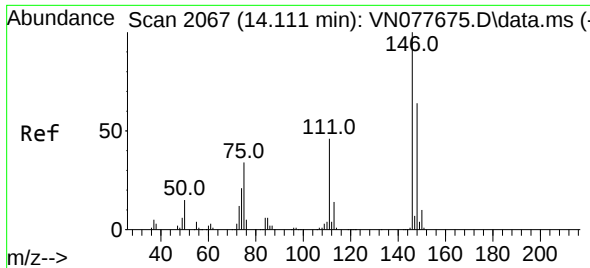
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#90
Hexachloroethane
Concen: 2.369 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VN077713.D
Acq: 17 May 2023 14:56

Tgt Ion:117 Resp: 7059
Ion Ratio Lower Upper
117 100
201 64.4 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 2.702 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

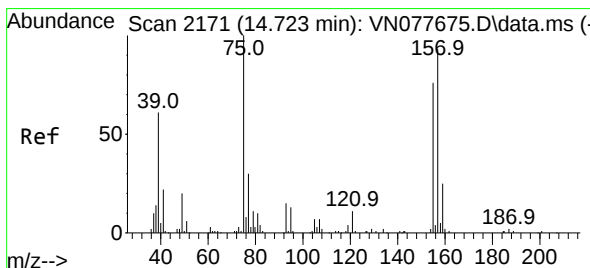
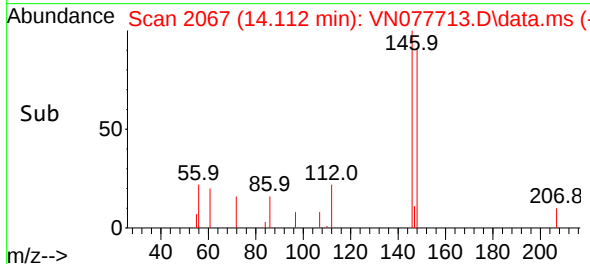
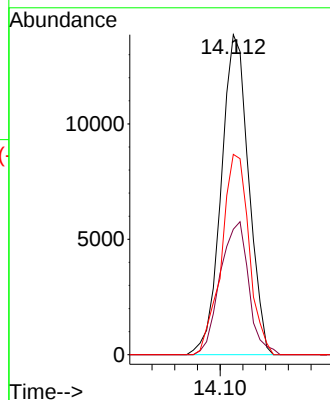
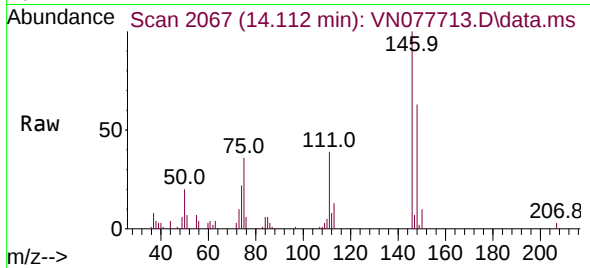
Tgt Ion:	146	Resp:	2324
Ion Ratio	Lower	Upper	
146	100		
111	43.1	22.0	66.0
148	62.8	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.441 ug/l

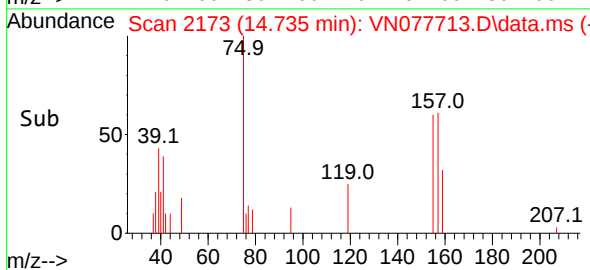
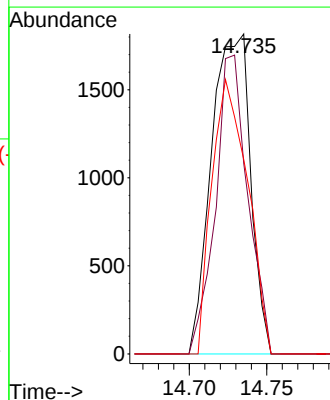
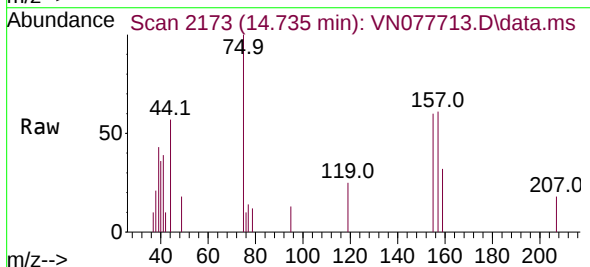
RT: 14.735 min Scan# 2173

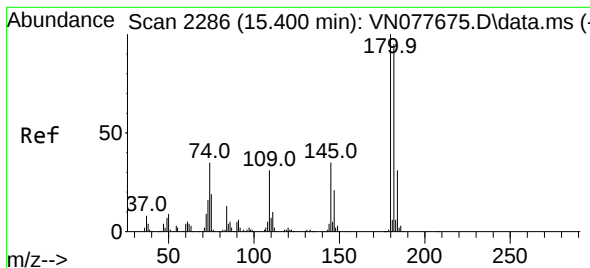
Delta R.T. 0.012 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion:	75	Resp:	3171
Ion Ratio	Lower	Upper	
75	100		
155	77.8	39.1	117.2
157	78.9	50.3	150.9





#93

1,2,4-Trichlorobenzene

Concen: 2.243 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

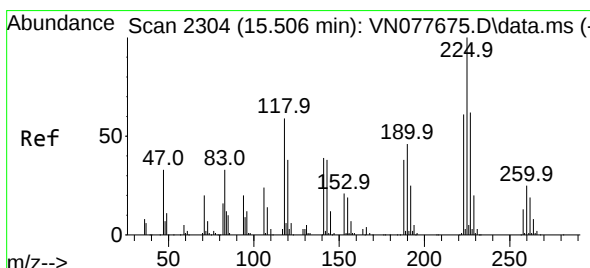
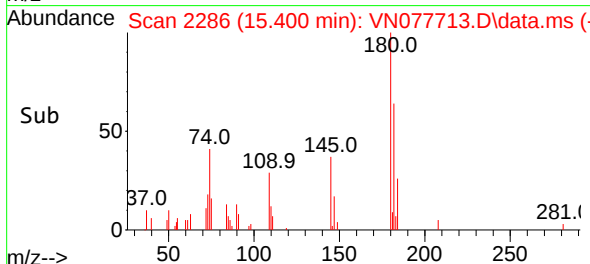
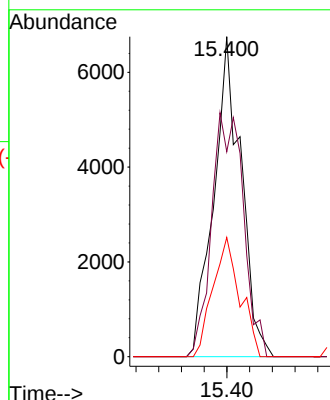
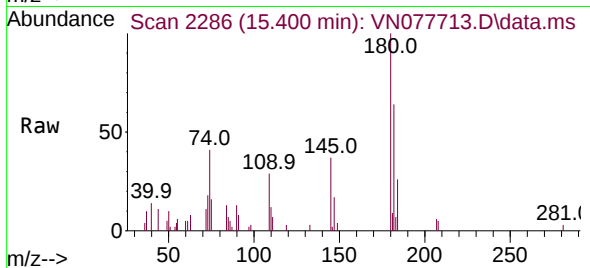
Tgt Ion:180	Resp:	1127
Ion Ratio	Lower	Upper
180	100	
182	88.5	46.1 138.2
145	37.2	16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#94

Hexachlorobutadiene

Concen: 2.532 ug/l

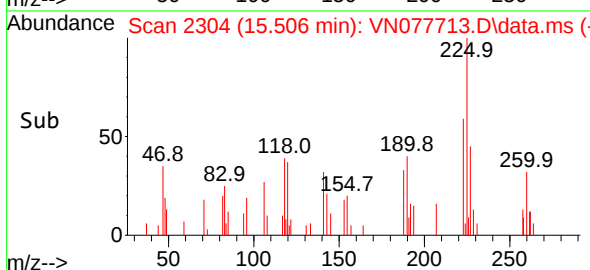
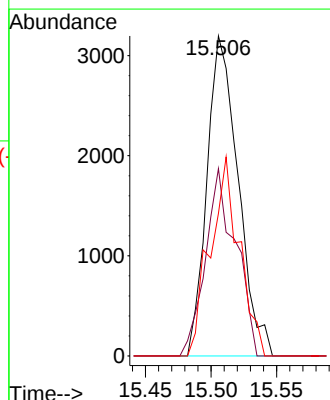
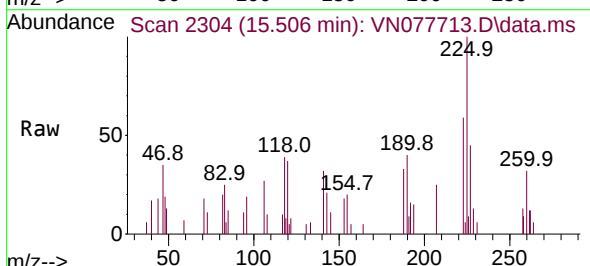
RT: 15.506 min Scan# 2304

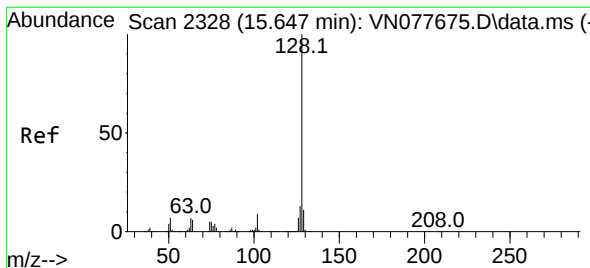
Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion:225	Resp:	5284
Ion Ratio	Lower	Upper
225	100	
223	56.7	31.3 93.8
227	58.3	31.9 95.9





#95

Naphthalene

Concen: 1.988 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

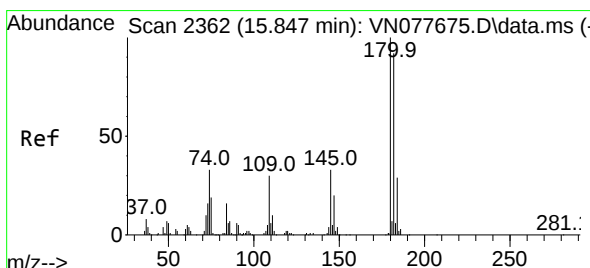
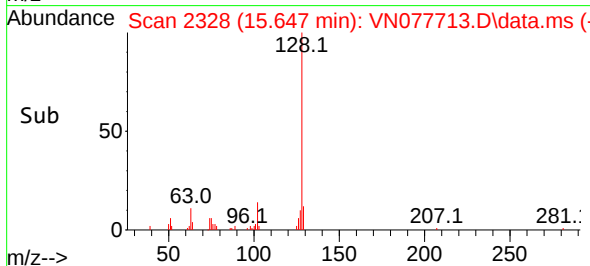
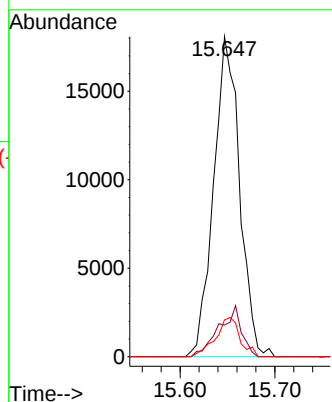
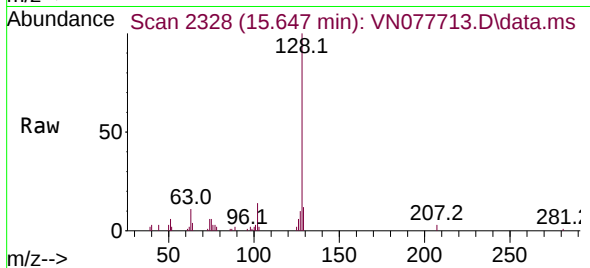
Tgt Ion:	128	Resp:	34390
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.0	15.0
129	11.5	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#96

1,2,3-Trichlorobenzene

Concen: 2.187 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. -0.000 min

Lab File: VN077713.D

Acq: 17 May 2023 14:56

Tgt Ion:	180	Resp:	10764
Ion Ratio	Lower	Upper	
180	100		
182	99.6	46.2	138.6
145	36.3	17.5	52.6

