

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077712.D
 Acq On : 17 May 2023 14:32
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: May 18 02:41:52 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	380742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	700777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	232794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	293492	51.518	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.171	113	231946	50.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	10.571	98	870341	49.482	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.859	95	277663	44.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	2930	0.676	ug/l #	39
3) Chloromethane	2.365	50	4573	0.880	ug/l	89
4) Vinyl Chloride	2.512	62	4303	0.788	ug/l #	70
5) Bromomethane	2.971	94	4798	1.187	ug/l	87
6) Chloroethane	3.142	64	5437m	1.381	ug/l	
7) Trichlorofluoromethane	3.512	101	5415	0.711	ug/l	95
8) Diethyl Ether	3.965	74	1700	0.612	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	2988	0.709	ug/l #	75
10) Methyl Iodide	4.606	142	3766m	0.749	ug/l	
11) Tert butyl alcohol	5.494	59	3279m	4.171	ug/l	
12) 1,1-Dichloroethene	4.359	96	3241	0.809	ug/l #	75
13) Acrolein	4.195	56	2783	4.978	ug/l #	56
14) Allyl chloride	5.030	41	4412m	0.750	ug/l	
15) Acrylonitrile	5.742	53	7321	3.485	ug/l #	91
16) Acetone	4.442	43	7603	4.242	ug/l #	71
17) Carbon Disulfide	4.706	76	7054	0.654	ug/l	95
18) Methyl Acetate	5.030	43	5249m	0.698	ug/l	
19) Methyl tert-butyl Ether	5.806	73	10168	0.701	ug/l	98
20) Methylene Chloride	5.283	84	5165	0.962	ug/l #	86
21) trans-1,2-Dichloroethene	5.794	96	3086	0.686	ug/l #	79
22) Diisopropyl ether	6.677	45	9156	0.664	ug/l #	80
23) Vinyl Acetate	6.618	43	24616	2.881	ug/l	100
24) 1,1-Dichloroethane	6.577	63	6818	0.807	ug/l #	81
25) 2-Butanone	7.494	43	9102	3.246	ug/l	92
26) 2,2-Dichloropropane	7.500	77	4946	0.689	ug/l	95
27) cis-1,2-Dichloroethene	7.488	96	3865	0.717	ug/l	85
28) Bromochloromethane	7.824	49	2470	0.676	ug/l #	85
29) Tetrahydrofuran	7.853	42	6045	3.293	ug/l #	82
30) Chloroform	7.971	83	7501	0.807	ug/l	85
31) Cyclohexane	8.230	56	14138	1.826	ug/l #	45
32) 1,1,1-Trichloroethane	8.183	97	5841	0.739	ug/l #	47
36) 1,1-Dichloropropene	8.383	75	4884	0.731	ug/l	92
37) Ethyl Acetate	7.571	43	4387	0.736	ug/l #	85
38) Carbon Tetrachloride	8.371	117	4720	0.699	ug/l	94
39) Methylcyclohexane	9.612	83	5830	0.712	ug/l	93
40) Benzene	8.612	78	14094	0.715	ug/l #	83

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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)
41) Methacrylonitrile	7.783	41	2214m	0.698	ug/l	
42) 1,2-Dichloroethane	8.682	62	6081	0.849	ug/l	81
43) Isopropyl Acetate	8.694	43	6772	0.696	ug/l #	89
44) Trichloroethene	9.359	130	3467	0.694	ug/l	70
45) 1,2-Dichloropropane	9.618	63	3705	0.736	ug/l #	74
46) Dibromomethane	9.712	93	2763	0.767	ug/l	91
47) Bromodichloromethane	9.894	83	4992	0.724	ug/l	87
48) Methyl methacrylate	9.694	41	3654	0.792	ug/l #	83
49) 1,4-Dioxane	9.700	88	1042	11.958	ug/l #	74
51) 4-Methyl-2-Pentanone	10.453	43	18894	3.267	ug/l	92
52) Toluene	10.629	92	9195	0.749	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	4758	0.652	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	5386	0.670	ug/l #	75
55) 1,1,2-Trichloroethane	11.029	97	3119	0.640	ug/l #	88
56) Ethyl methacrylate	10.876	69	4661	0.632	ug/l #	84
57) 1,3-Dichloropropane	11.176	76	5966	0.714	ug/l #	88
58) 2-Chloroethyl Vinyl ether	10.171	63	11671	3.218	ug/l	95
59) 2-Hexanone	11.206	43	13190	3.083	ug/l	98
60) Dibromochloromethane	11.365	129	3420	0.679	ug/l	81
61) 1,2-Dibromoethane	11.482	107	3325	0.684	ug/l	89
64) Tetrachloroethene	11.112	164	3237	0.781	ug/l	95
65) Chlorobenzene	11.906	112	9307	0.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.971	131	2897	0.651	ug/l #	64
67) Ethyl Benzene	11.971	91	16403	0.712	ug/l	98
68) m/p-Xylenes	12.071	106	11040	1.265	ug/l	86
69) o-Xylene	12.406	106	5320	0.620	ug/l	77
70) Styrene	12.423	104	9031	0.662	ug/l	92
71) Bromoform	12.582	173	1797	0.607	ug/l #	91
73) Isopropylbenzene	12.700	105	13929	0.694	ug/l	99
74) N-amyl acetate	12.500	43	5556	0.749	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.941	83	4146	0.672	ug/l	73
76) 1,2,3-Trichloropropane	13.000	75	3178m	0.545	ug/l	
77) Bromobenzene	12.994	156	3680	0.804	ug/l	96
78) n-propylbenzene	13.041	91	17398	0.735	ug/l	100
79) 2-Chlorotoluene	13.135	91	10103	0.716	ug/l	93
80) 1,3,5-Trimethylbenzene	13.182	105	10809	0.641	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.729	75	837m	0.459	ug/l	
82) 4-Chlorotoluene	13.229	91	10880	0.775	ug/l	96
83) tert-Butylbenzene	13.441	119	11321	0.769	ug/l	90
84) 1,2,4-Trimethylbenzene	13.494	105	11274	0.680	ug/l	97
85) sec-Butylbenzene	13.623	105	14427	0.689	ug/l	97
86) p-Isopropyltoluene	13.735	119	9664	0.579	ug/l	85
87) 1,3-Dichlorobenzene	13.735	146	6023	0.711	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	7152m	0.851	ug/l	
89) n-Butylbenzene	14.065	91	10257	0.668	ug/l	93
90) Hexachloroethane	14.341	117	1968	0.718	ug/l	87
91) 1,2-Dichlorobenzene	14.117	146	6362	0.804	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.741	75	812m	0.679	ug/l	
93) 1,2,4-Trichlorobenzene	15.394	180	3142	0.680	ug/l	86
94) Hexachlorobutadiene	15.500	225	1237	0.644	ug/l	80
95) Naphthalene	15.653	128	10969	0.689	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	3359	0.742	ug/l	97

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ClientSampleId :
MDL-WATER-03-QT2-2023

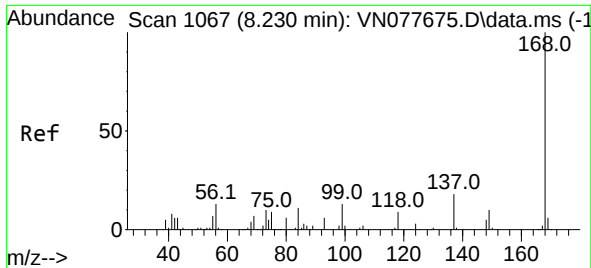
Manual Integrations
APPROVED

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

Quant Time: May 18 02:41:52 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

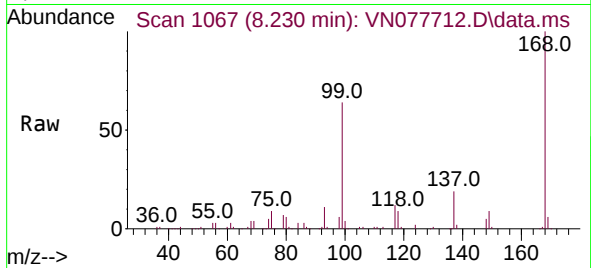
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

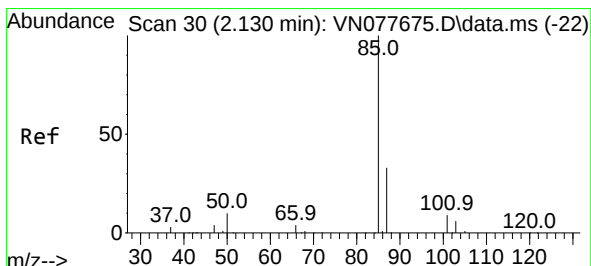
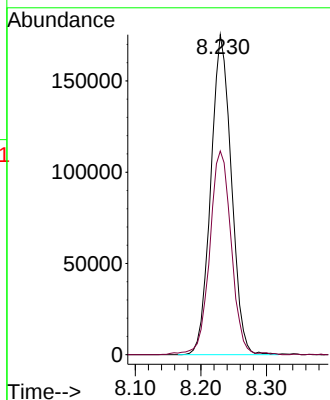
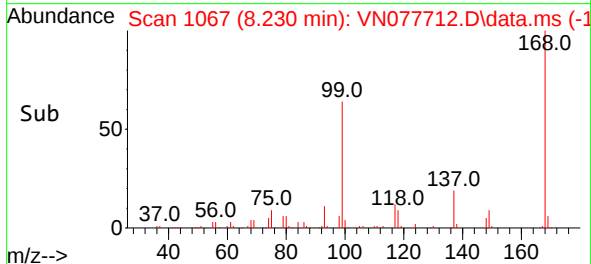
Instrument :
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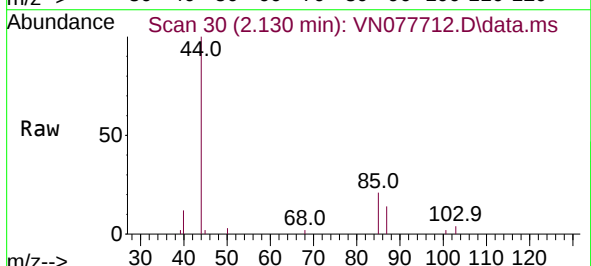
Tgt Ion:168 Resp: 38074
Ion Ratio Lower Upper
168 100
99 63.5 53.0 79.6

Manual Integrations
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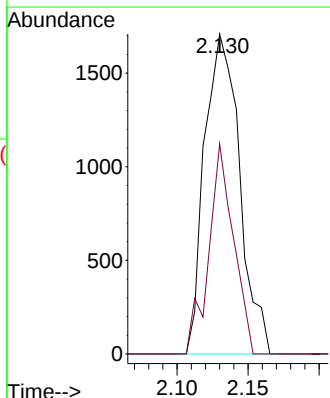
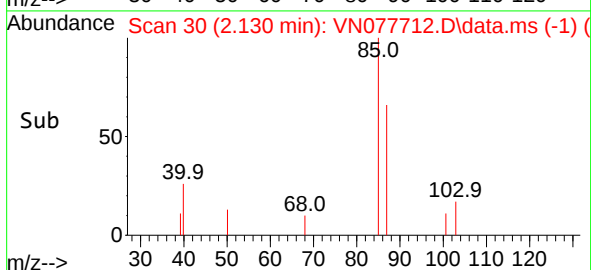
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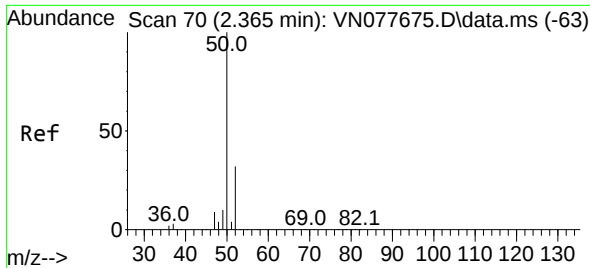


#2
Dichlorodifluoromethane
Concen: 0.676 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32



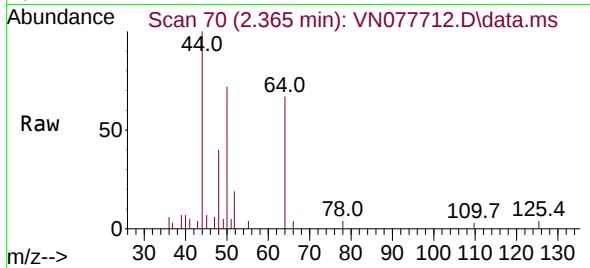
Tgt Ion: 85 Resp: 2930
Ion Ratio Lower Upper
85 100
87 65.7 15.8 47.4





#3
Chloromethane
Concen: 0.880 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

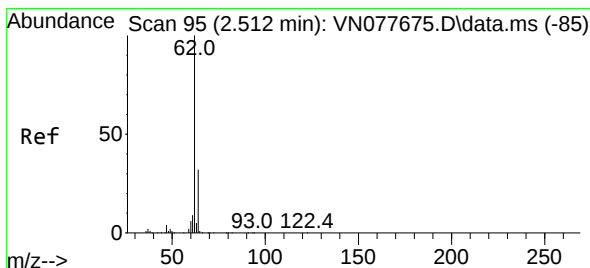
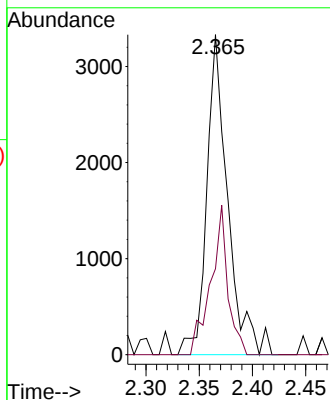
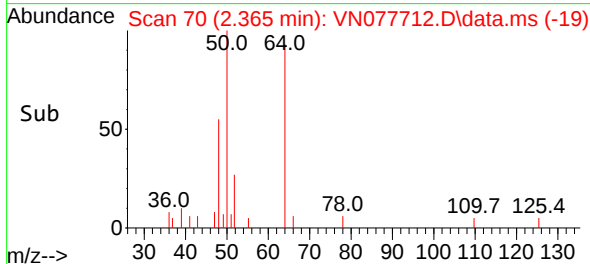
Instrument :
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Tgt Ion: 50 Resp: 457
Ion Ratio Lower Upper
50 100
52 26.9 26.5 39.7

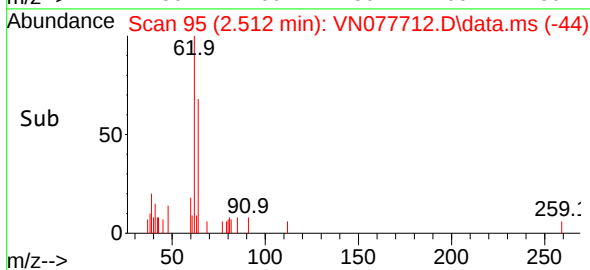
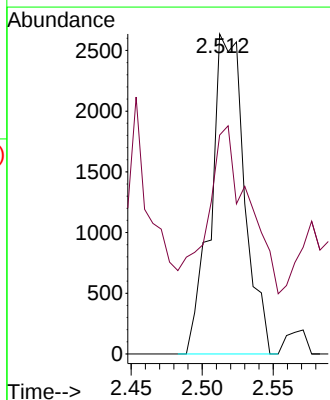
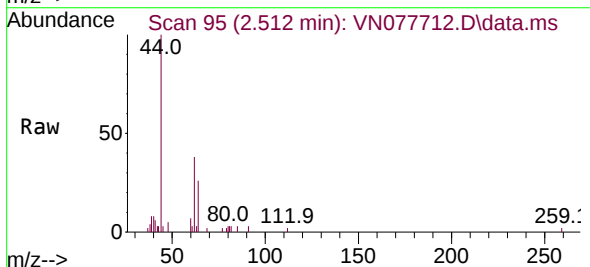
Manual Integrations
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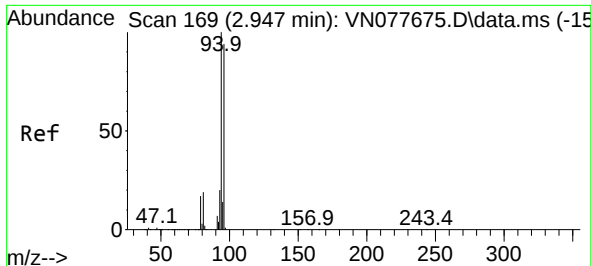
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#4
Vinyl Chloride
Concen: 0.788 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

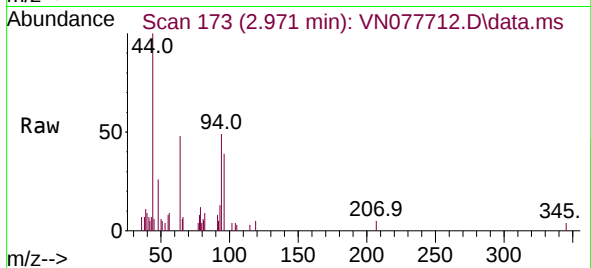
Tgt Ion: 62 Resp: 4303
Ion Ratio Lower Upper
62 100
64 49.6 26.2 39.2#





#5
Bromomethane
Concen: 1.187 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

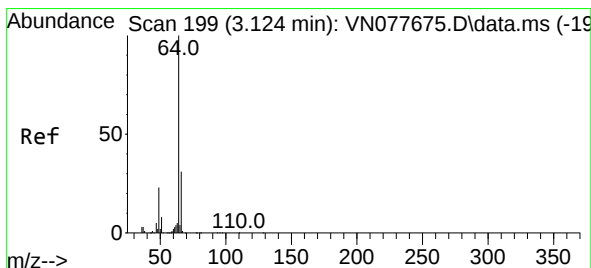
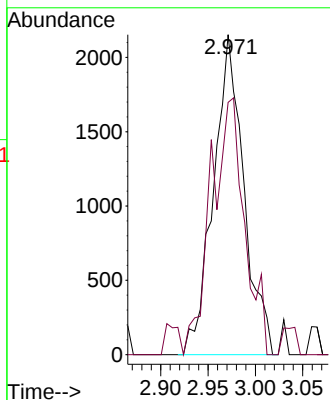
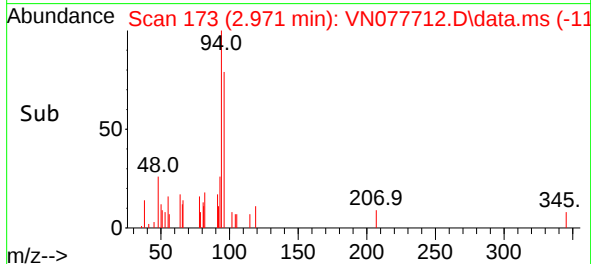
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Tgt Ion: 94 Resp: 4798
Ion Ratio Lower Upper
94 100
96 78.9 73.1 109.7

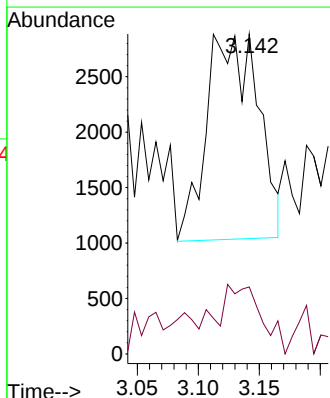
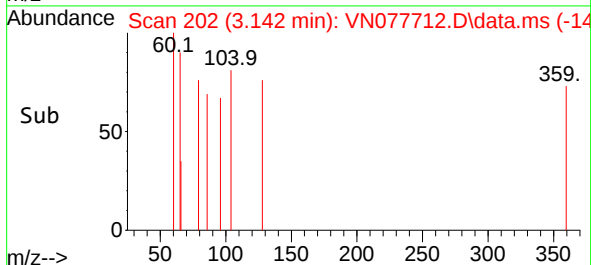
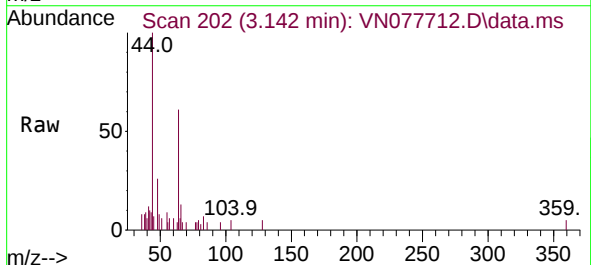
Manual Integrations
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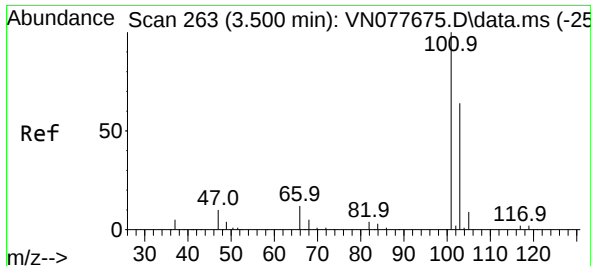
Reviewed By :John Carlone 05/18/2023
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#6
Chloroethane
Concen: 1.381 ug/l m
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

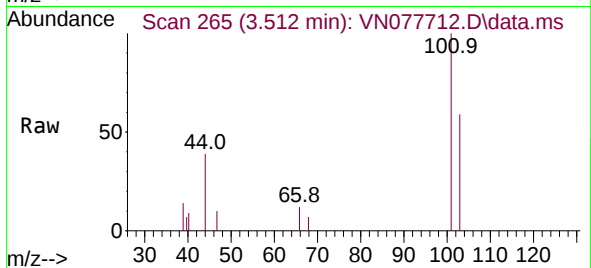
Tgt Ion: 64 Resp: 5437
Ion Ratio Lower Upper
64 100
66 21.0 25.4 38.2#





#7
Trichlorofluoromethane
Concen: 0.711 ug/l
RT: 3.512 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

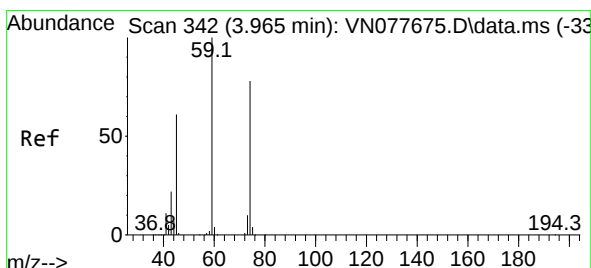
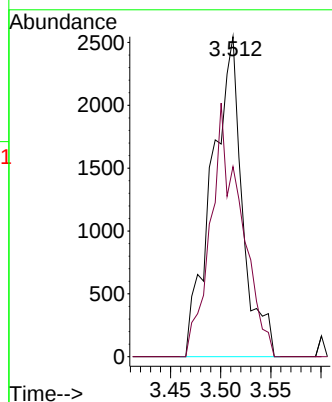
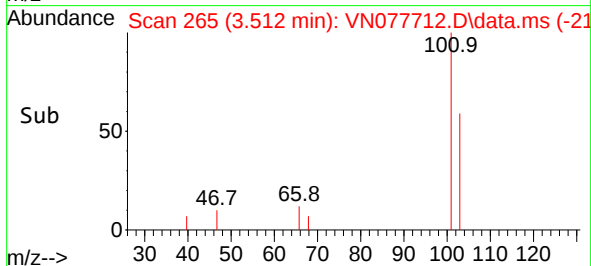
Instrument :
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MDL-WATER-03-QT2-2023



Tgt Ion:101 Resp: 541
Ion Ratio Lower Upper
101 100
103 59.4 50.7 76.1

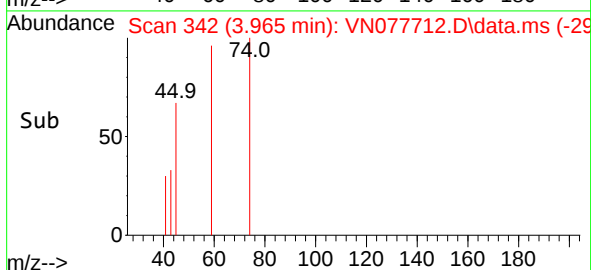
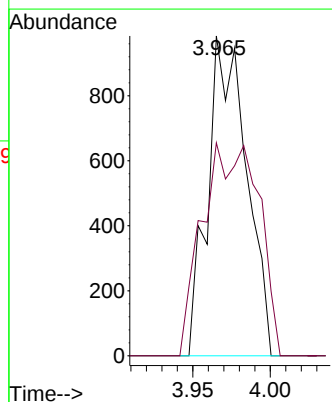
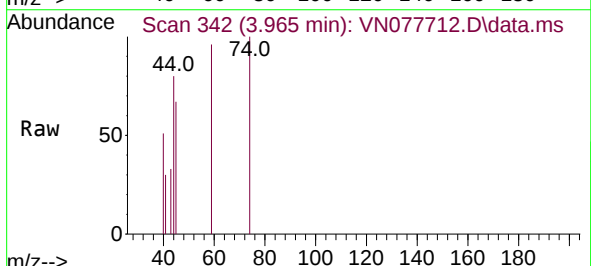
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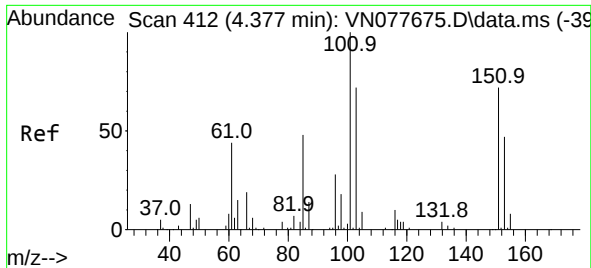
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#8
Diethyl Ether
Concen: 0.612 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion: 74 Resp: 1700
Ion Ratio Lower Upper
74 100
45 97.2 34.4 103.3





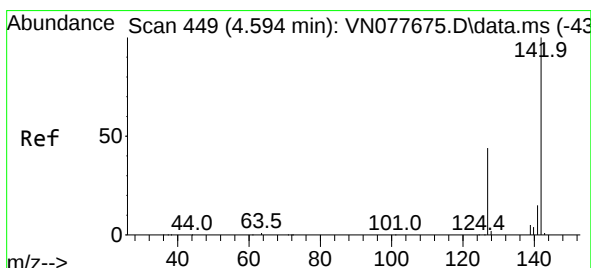
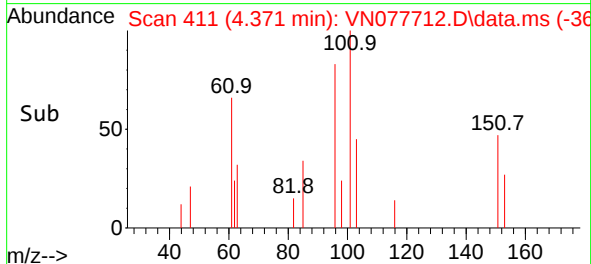
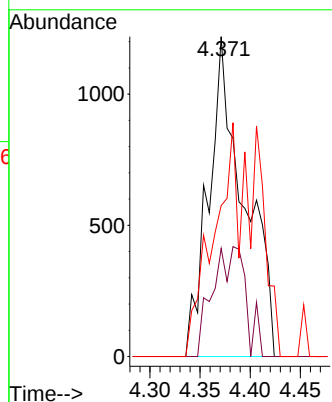
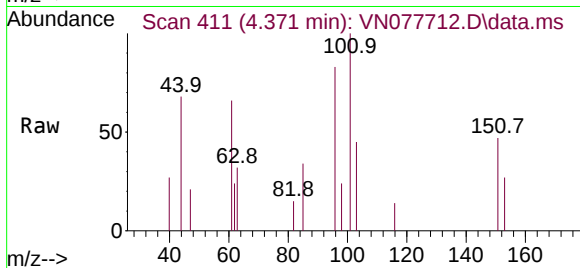
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.709 ug/l
RT: 4.371 min Scan# 412
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

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

Tgt Ion:101 Resp: 2986
Ion Ratio Lower Upper
101 100
85 32.3 36.6 55.0
151 48.8 57.6 86.4

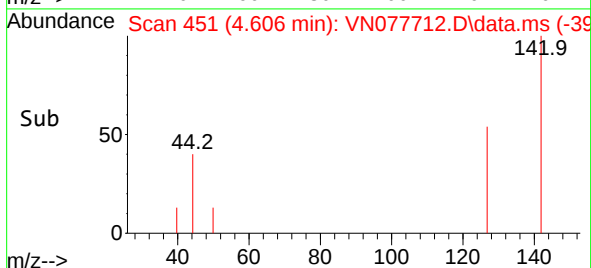
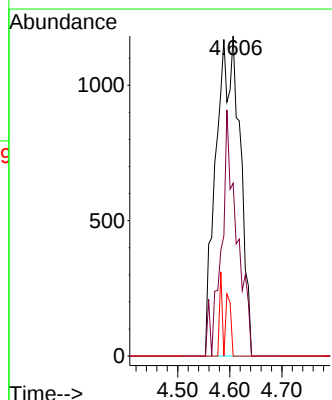
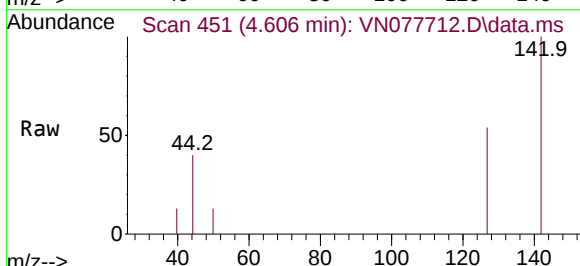
Manual Integrations
APPROVED

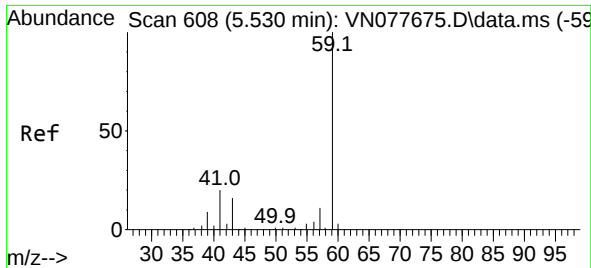
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#10
Methyl Iodide
Concen: 0.749 ug/l m
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion:142 Resp: 3766
Ion Ratio Lower Upper
142 100
127 54.0 37.6 56.4
141 0.0 11.4 17.0





#11

Tert butyl alcohol

Concen: 4.171 ug/l m

RT: 5.494 min Scan# 608

Delta R.T. -0.036 min

Lab File: VN077712.D

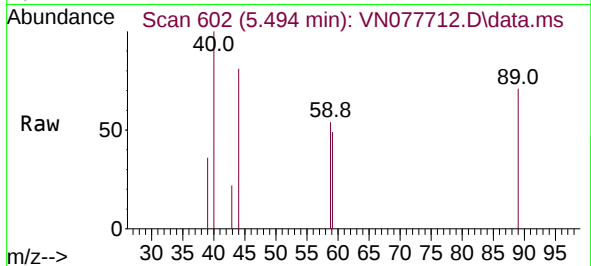
Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion: 59 Resp: 3279

Ion Ratio Lower Upper

59 100

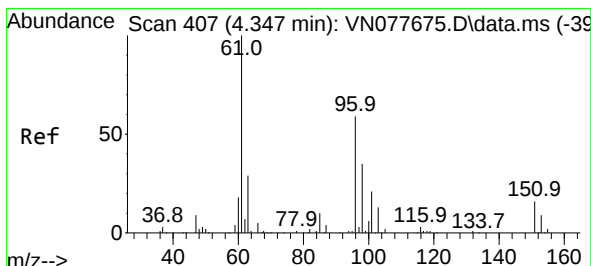
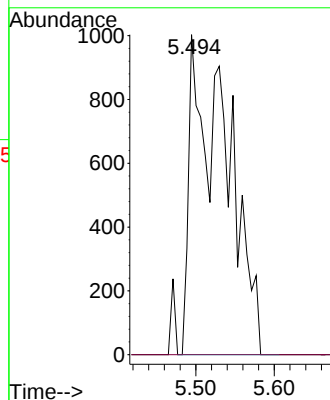
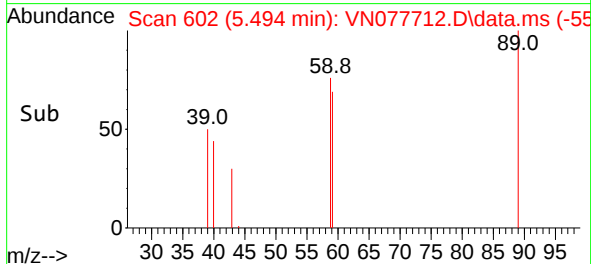
57 0.0 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#12

1,1-Dichloroethene

Concen: 0.809 ug/l

RT: 4.359 min Scan# 409

Delta R.T. 0.012 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

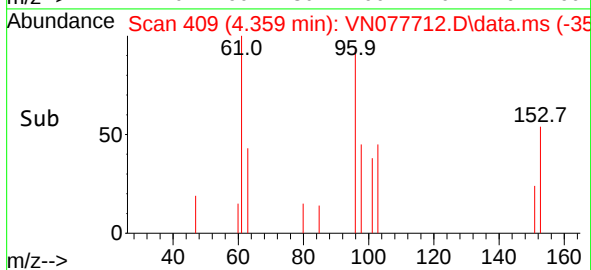
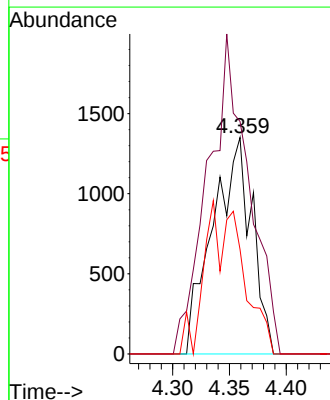
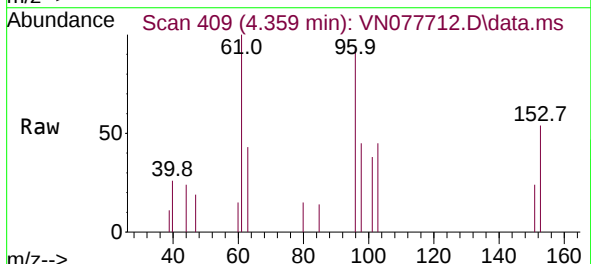
Tgt Ion: 96 Resp: 3241

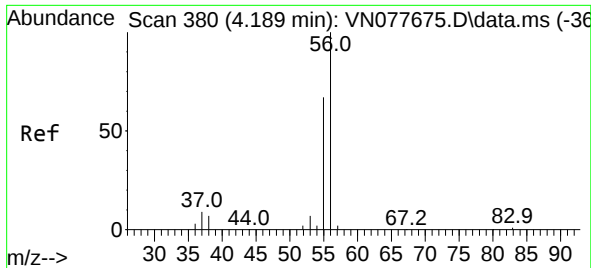
Ion Ratio Lower Upper

96 100

61 107.4 112.7 169.1#

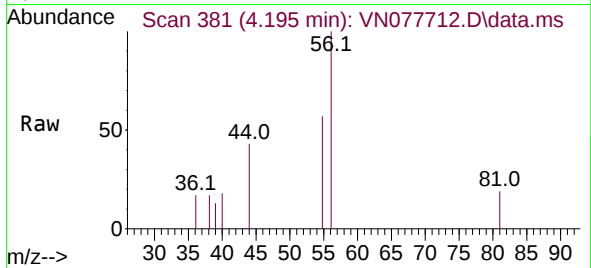
98 48.3 51.2 76.8#





#13
Acrolein
Concen: 4.978 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

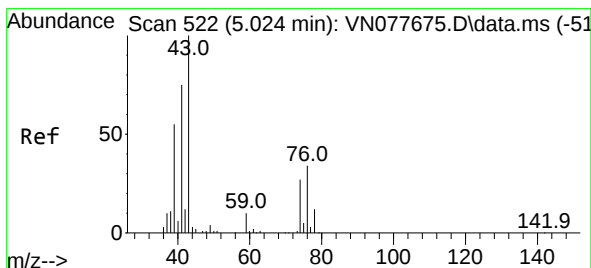
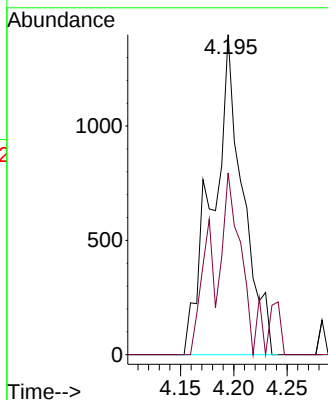
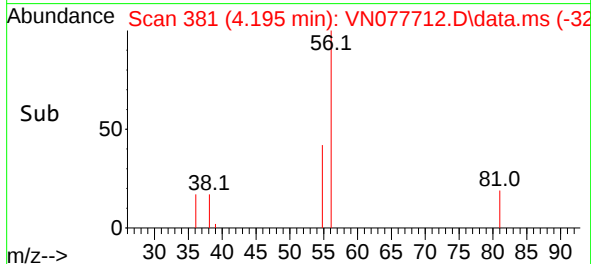
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



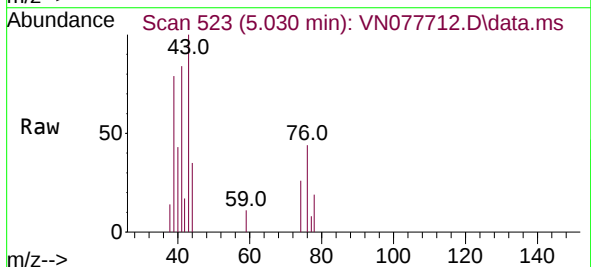
Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 32.6 54.5 81.7

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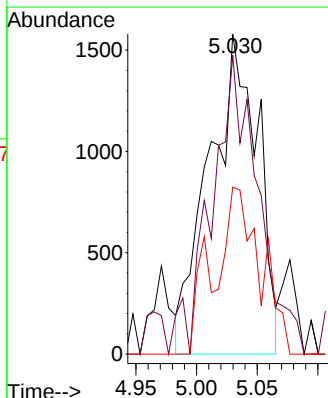
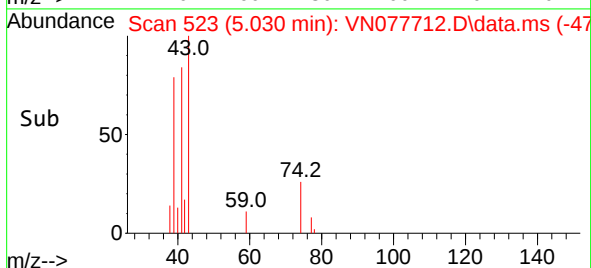
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

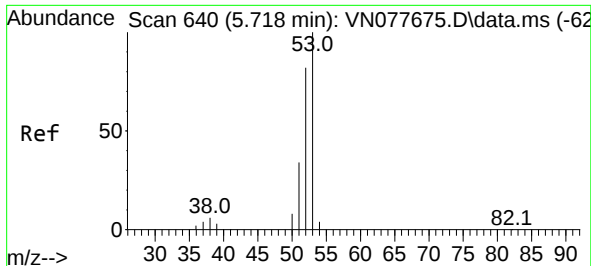


#14
Allyl chloride
Concen: 0.750 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32



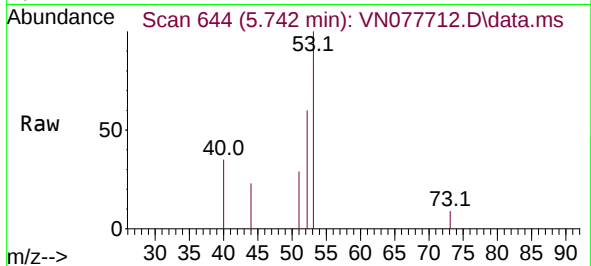
Tgt Ion: 41 Resp: 4412
Ion Ratio Lower Upper
41 100
39 89.2 58.8 88.2#
76 39.0 39.1 58.7#





#15
Acrylonitrile
Concen: 3.485 ug/l
RT: 5.742 min Scan# 640
Delta R.T. 0.024 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

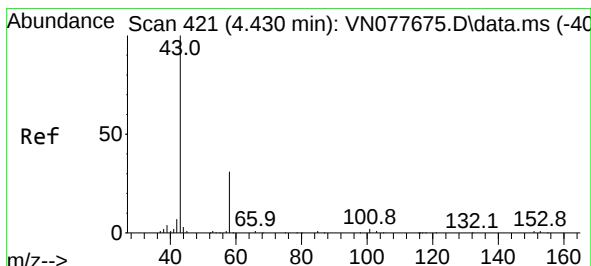
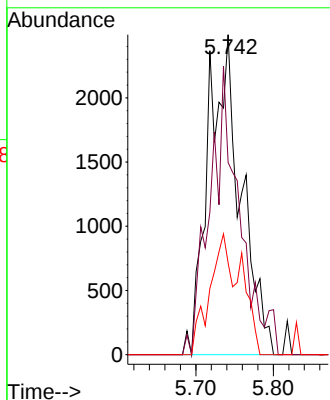
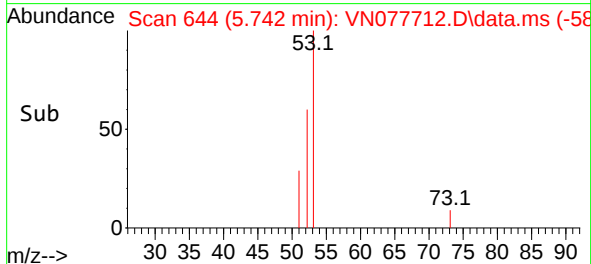
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 53 Resp: 732
Ion Ratio Lower Upper
53 100
52 78.0 65.3 97.9
51 24.1 28.9 43.3

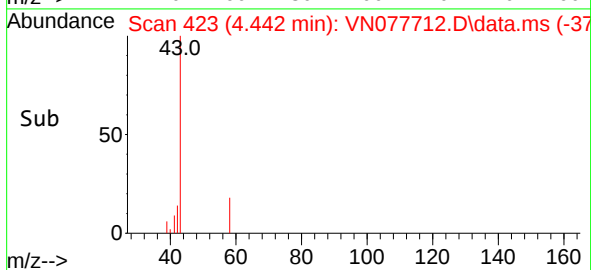
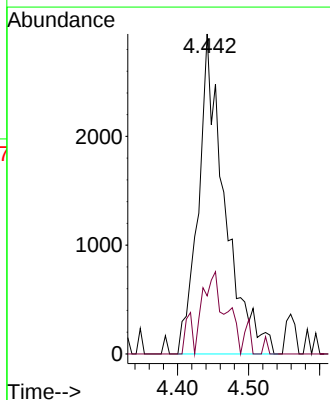
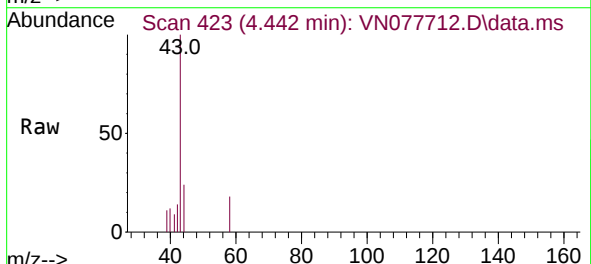
Manual Integrations
APPROVED

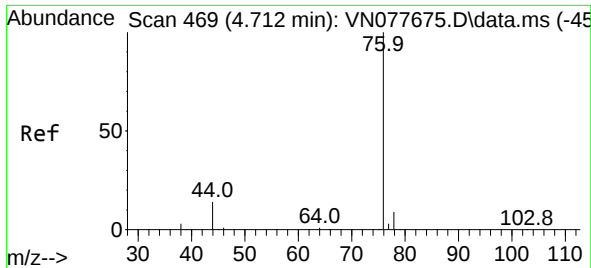
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#16
Acetone
Concen: 4.242 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

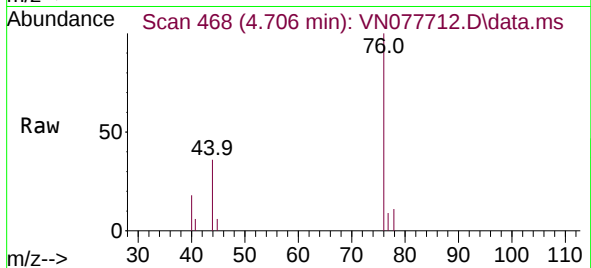
Tgt Ion: 43 Resp: 7603
Ion Ratio Lower Upper
43 100
58 18.2 28.0 42.0#





#17
Carbon Disulfide
Concen: 0.654 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

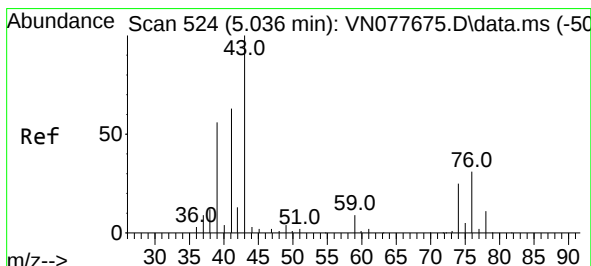
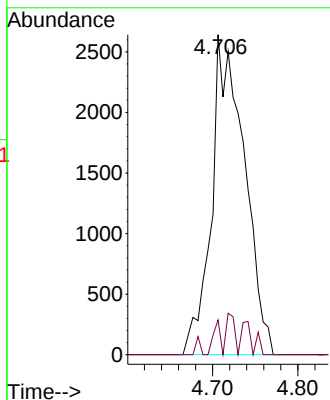
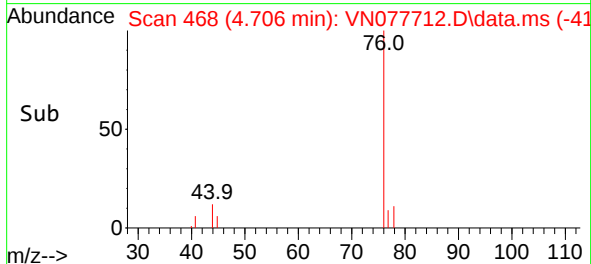
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 76 Resp: 7054
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.0

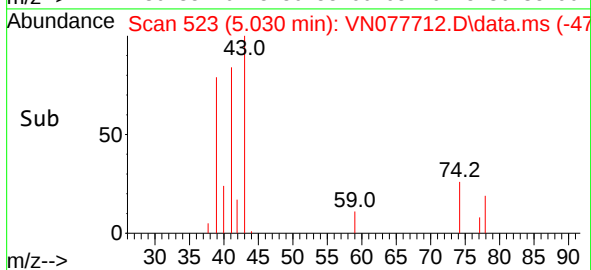
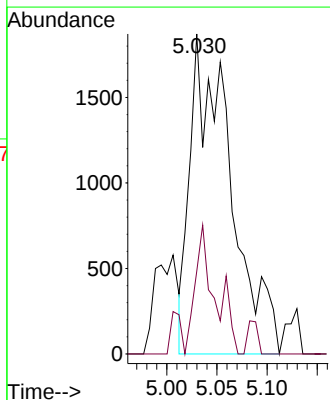
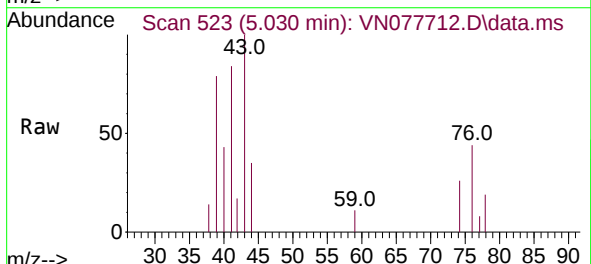
Manual Integrations
APPROVED

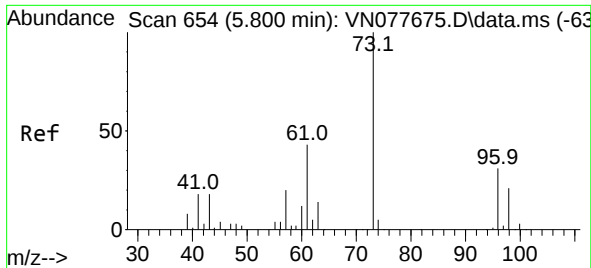
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#18
Methyl Acetate
Concen: 0.698 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

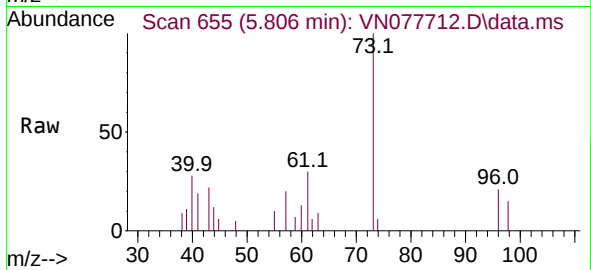
Tgt Ion: 43 Resp: 5249
Ion Ratio Lower Upper
43 100
74 20.0 26.2 39.4#





#19
Methyl tert-butyl Ether
Concen: 0.701 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

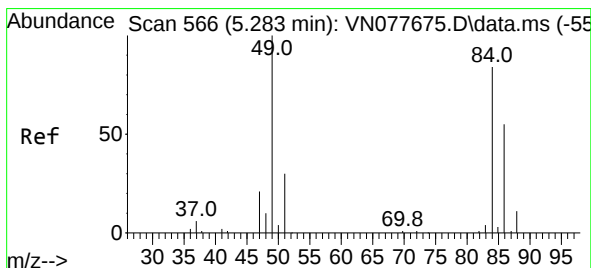
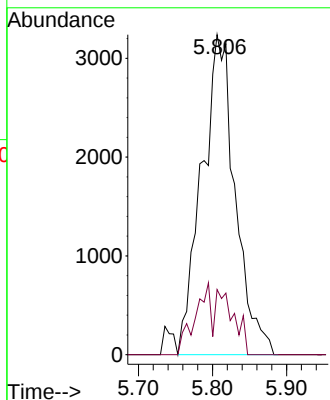
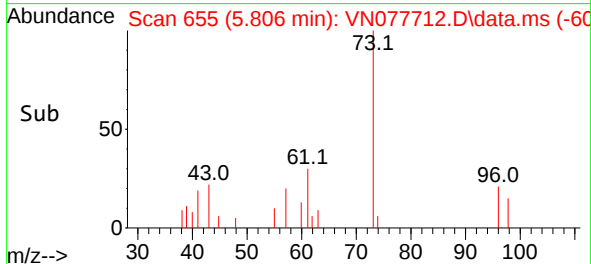
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 73 Resp: 1016
Ion Ratio Lower Upper
73 100
57 20.4 15.6 23.4

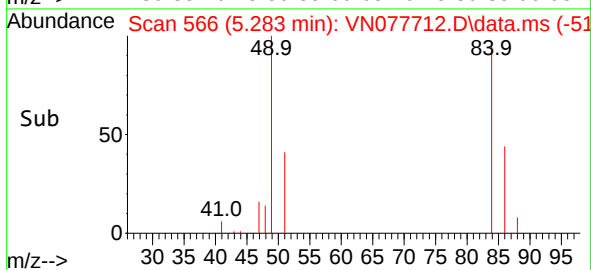
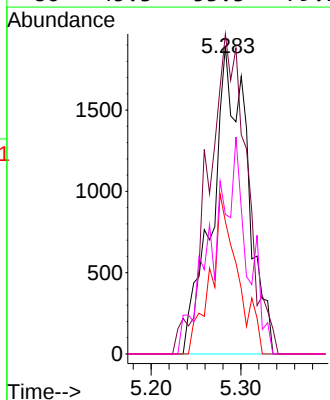
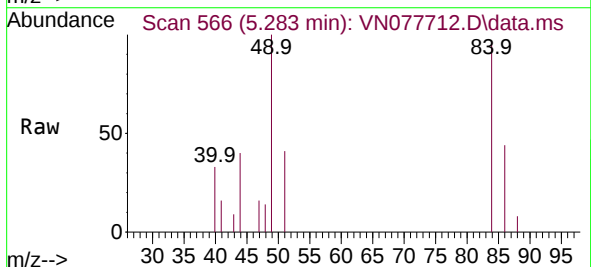
Manual Integrations
APPROVED

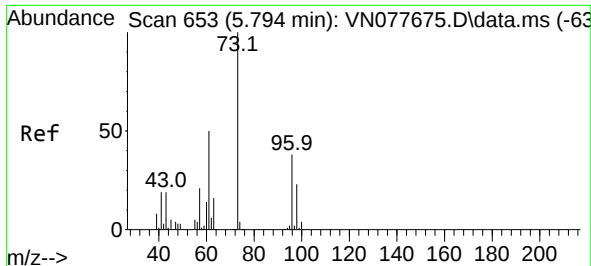
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#20
Methylene Chloride
Concen: 0.962 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

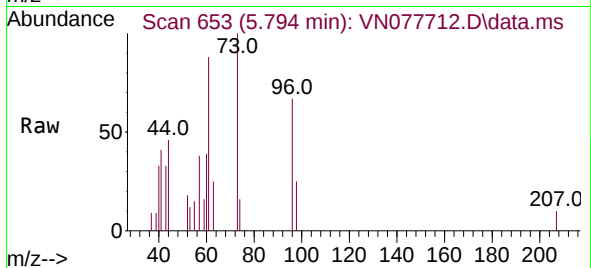
Tgt Ion: 84 Resp: 5165
Ion Ratio Lower Upper
84 100
49 103.9 79.7 119.5
51 43.0 25.2 37.8#
86 45.3 53.3 79.9#





#21
trans-1,2-Dichloroethene
Concen: 0.686 ug/l
RT: 5.794 min Scan# 612
Delta R.T. 0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

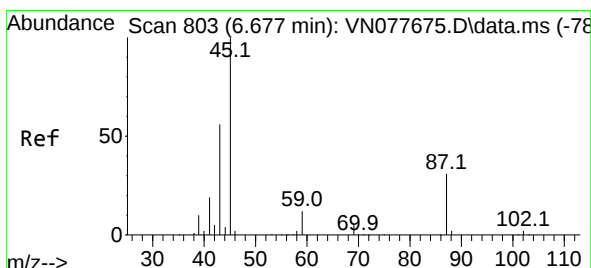
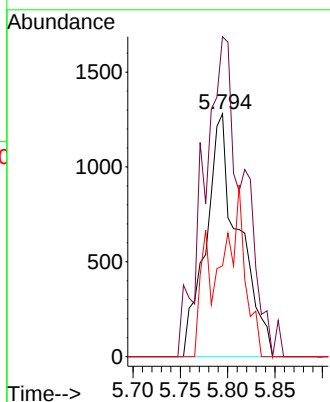
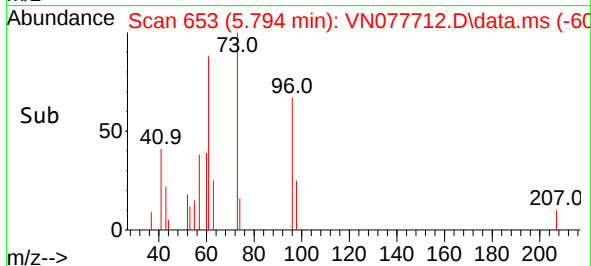
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 96 Resp: 3080
Ion Ratio Lower Upper
96 100
61 131.8 90.1 135.1
98 37.4 46.4 69.6

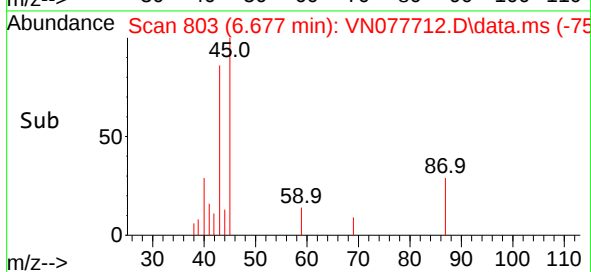
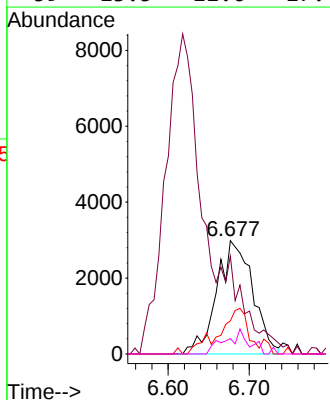
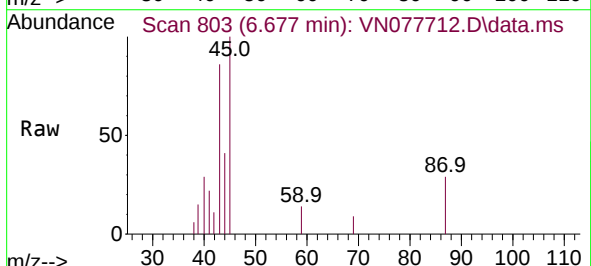
Manual Integrations
APPROVED

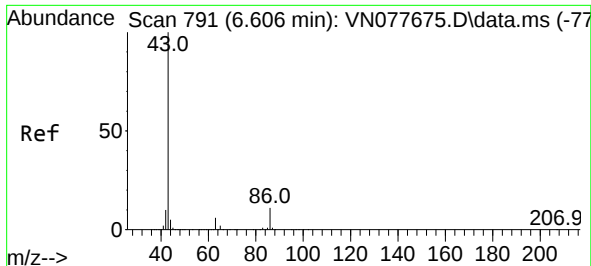
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#22
Diisopropyl ether
Concen: 0.664 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

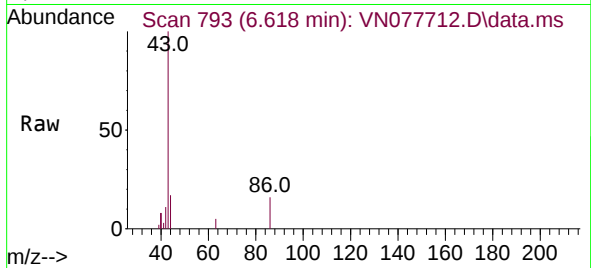
Tgt Ion: 45 Resp: 9156
Ion Ratio Lower Upper
45 100
43 76.5 45.5 68.3#
87 29.2 31.8 47.8#
59 13.5 11.6 17.4





#23
 Vinyl Acetate
 Concen: 2.881 ug/l
 RT: 6.618 min Scan# 791
 Delta R.T. 0.012 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

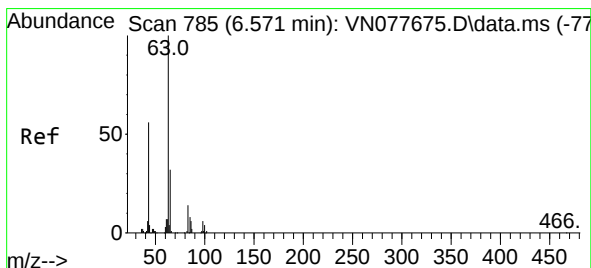
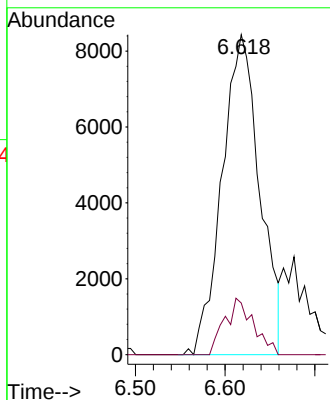
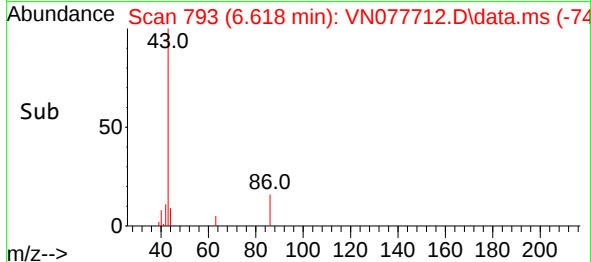
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 43 Resp: 24610
 Ion Ratio Lower Upper
 43 100
 86 16.1 13.0 19.6

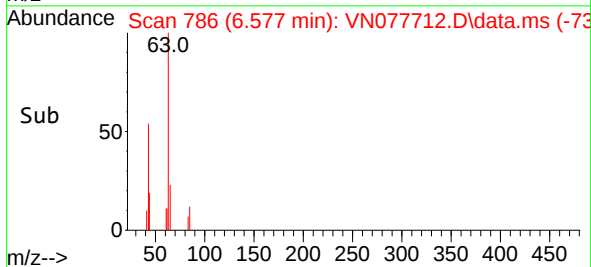
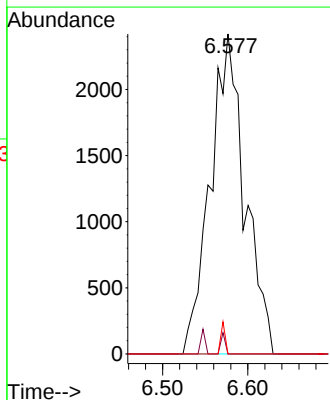
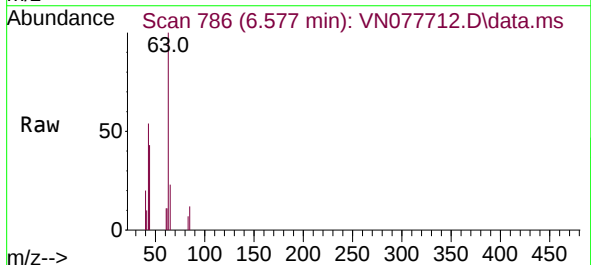
Manual Integrations
 APPROVED

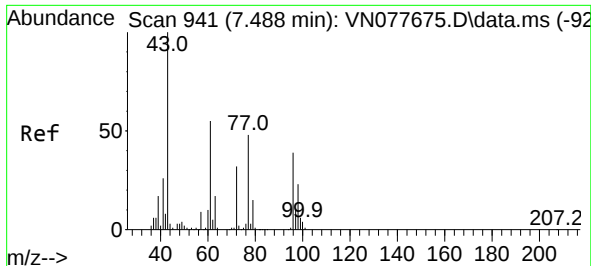
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#24
 1,1-Dichloroethane
 Concen: 0.807 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

Tgt Ion: 63 Resp: 6818
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.5 7.4#





#25

2-Butanone

Concen: 3.246 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

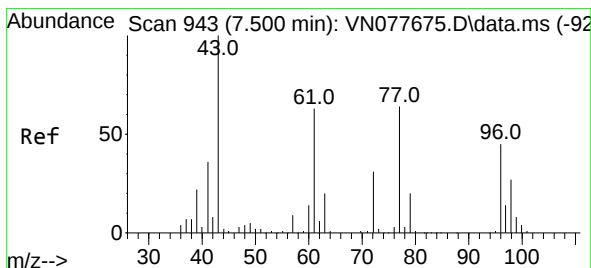
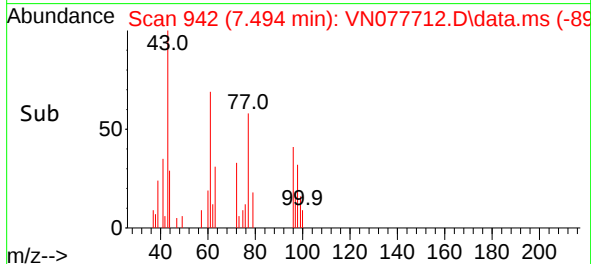
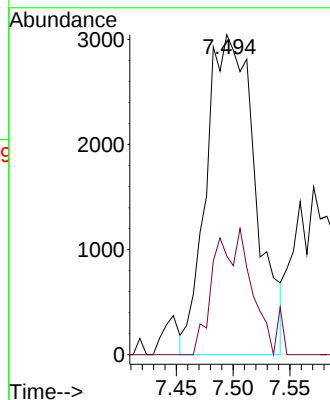
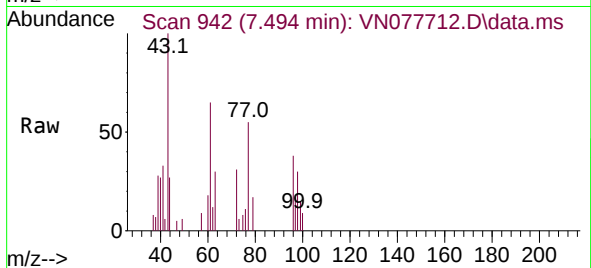
ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 43 Resp: 910
 Ion Ratio Lower Upper
 43 100
 72 32.8 30.2 45.2

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



#26

2,2-Dichloropropane

Concen: 0.689 ug/l

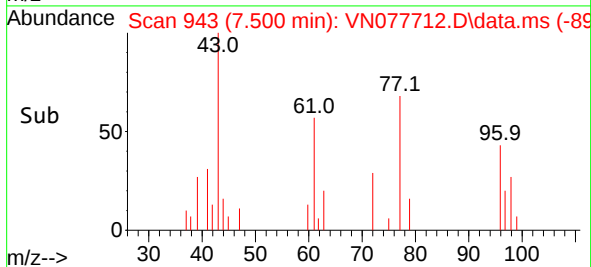
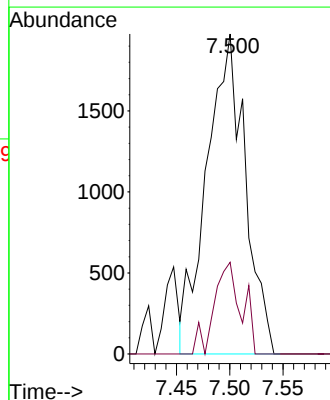
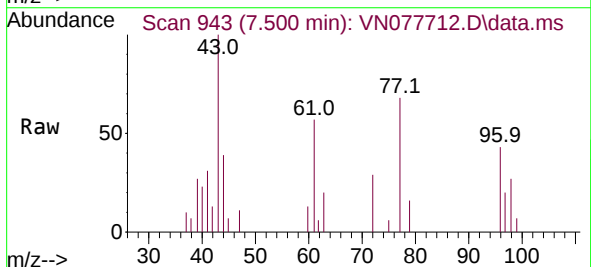
RT: 7.500 min Scan# 943

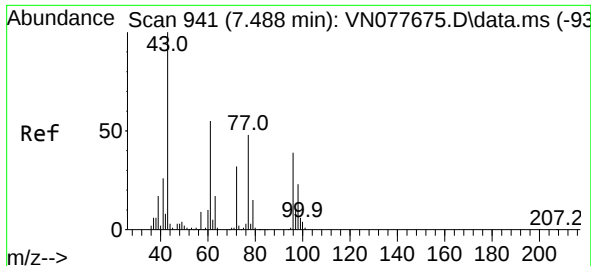
Delta R.T. 0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

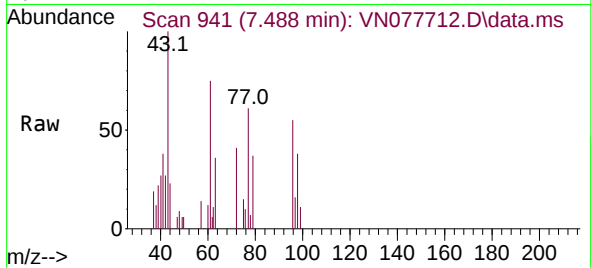
Tgt Ion: 77 Resp: 4946
 Ion Ratio Lower Upper
 77 100
 97 20.2 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 0.717 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

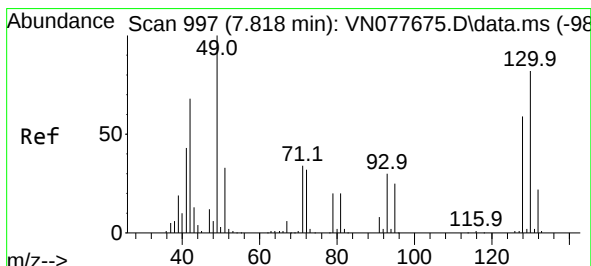
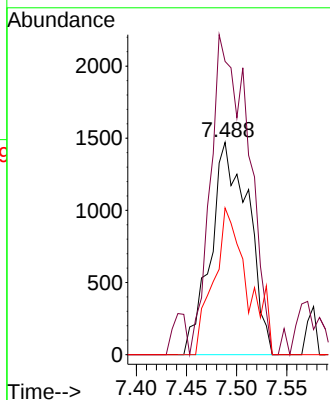
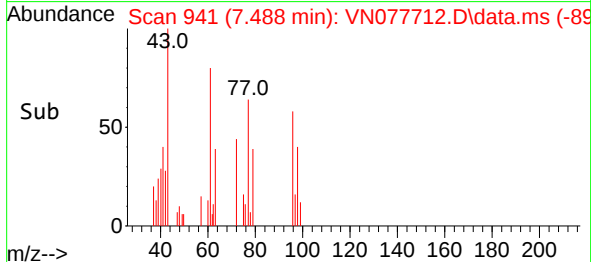
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 96 Resp: 386
 Ion Ratio Lower Upper
 96 100
 61 150.3 0.0 255.2
 98 60.9 0.0 128.8

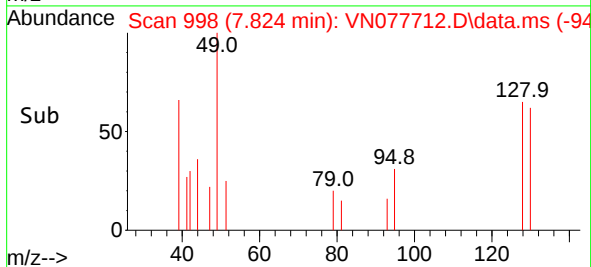
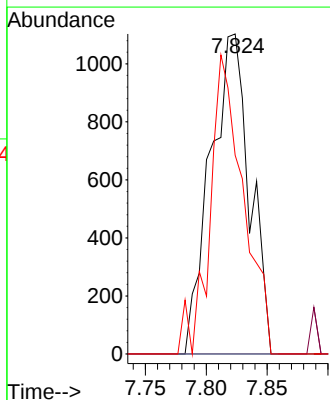
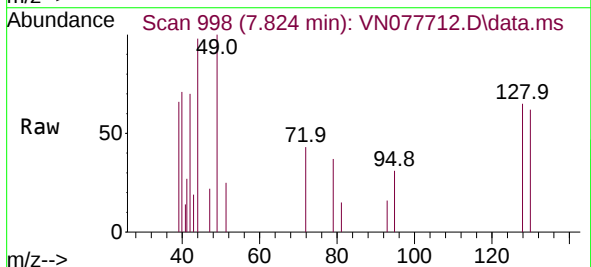
Manual Integrations
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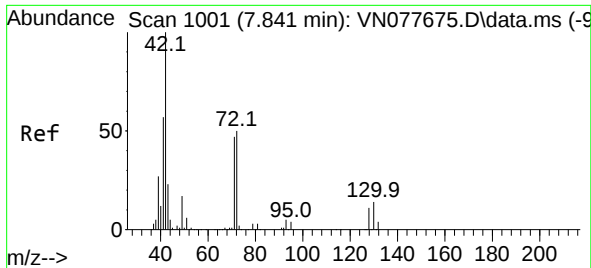
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#28
 Bromochloromethane
 Concen: 0.676 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

Tgt Ion: 49 Resp: 2470
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 79.3 75.3 112.9





#29

Tetrahydrofuran

Concen: 3.293 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

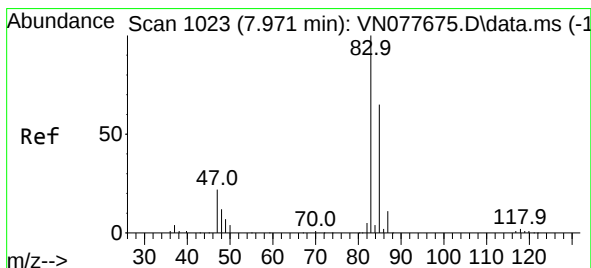
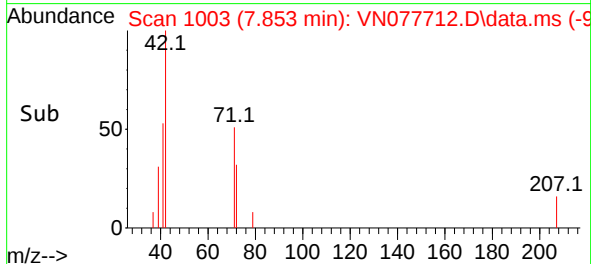
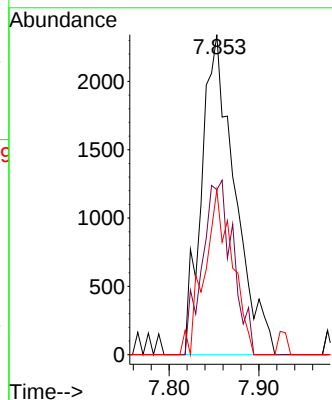
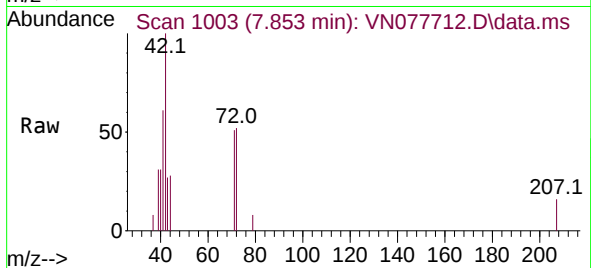
Tgt Ion: 42	Resp: 604
Ion Ratio	Lower Upper
42	100
72	50.4 49.8 74.6
71	43.6 47.4 71.2

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#30

Chloroform

Concen: 0.807 ug/l

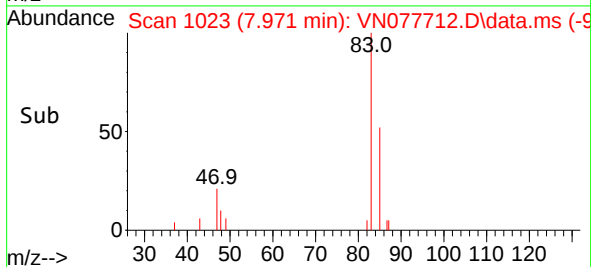
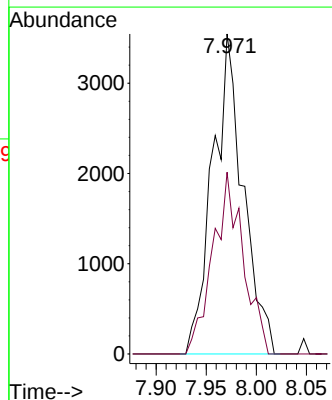
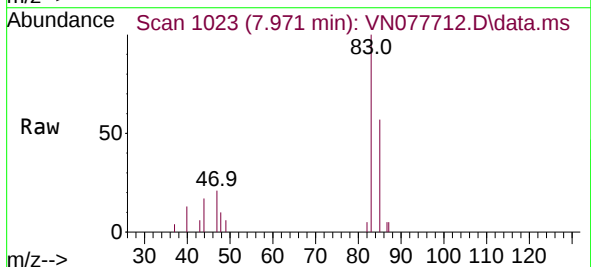
RT: 7.971 min Scan# 1023

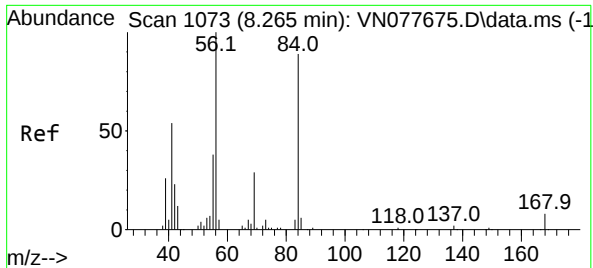
Delta R.T. -0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

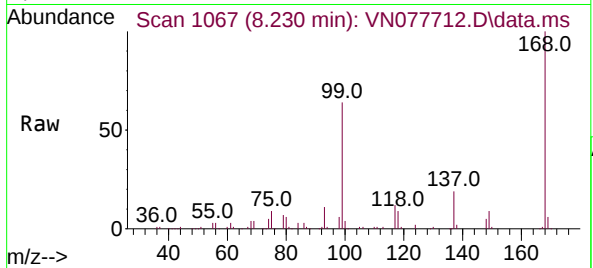
Tgt Ion: 83	Resp: 7501
Ion Ratio	Lower Upper
83	100
85	56.8 55.4 83.0





#31
Cyclohexane
Concen: 1.826 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

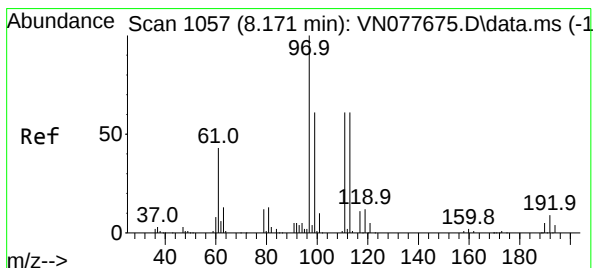
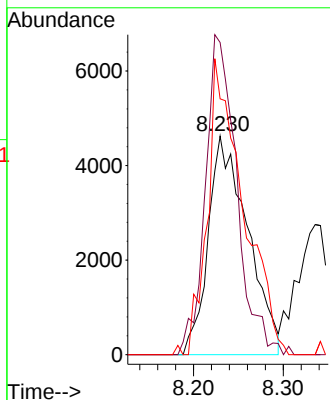
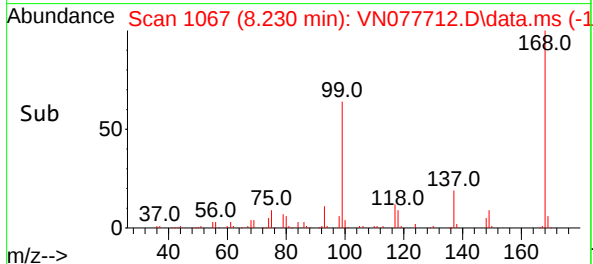
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 56 Resp: 14138
Ion Ratio Lower Upper
56 100
69 142.8 26.8 40.2
84 112.8 81.8 122.6

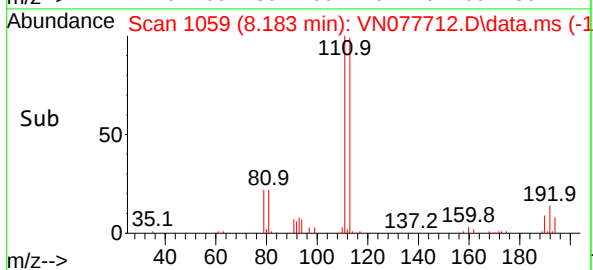
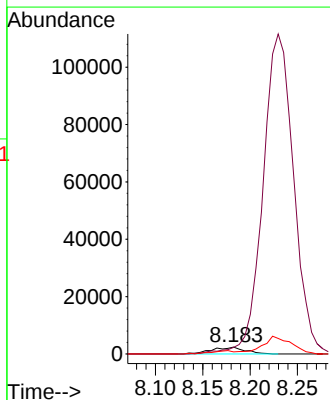
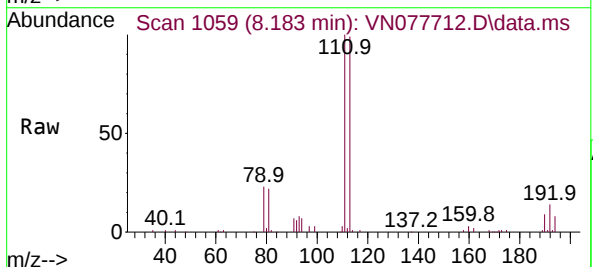
Manual Integrations
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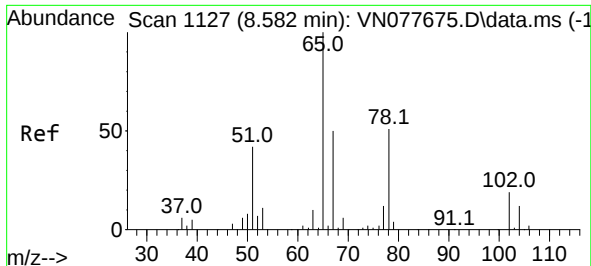
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#32
1,1,1-Trichloroethane
Concen: 0.739 ug/l
RT: 8.183 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion: 97 Resp: 5841
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5
61 36.3 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 51.518 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 65 Resp: 293492

Ion Ratio Lower Upper

65 100

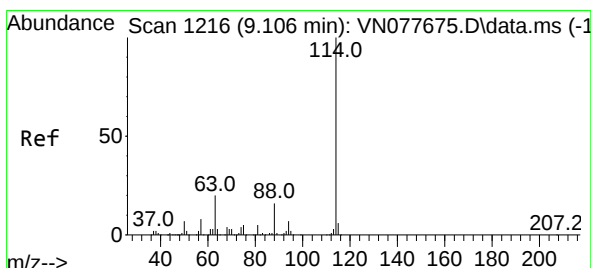
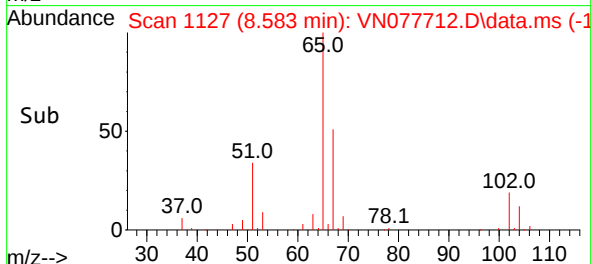
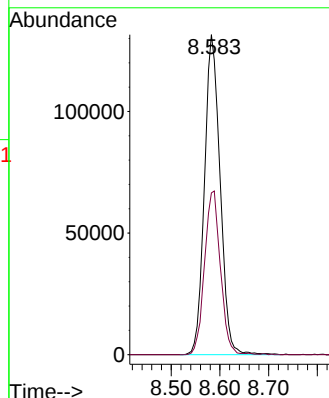
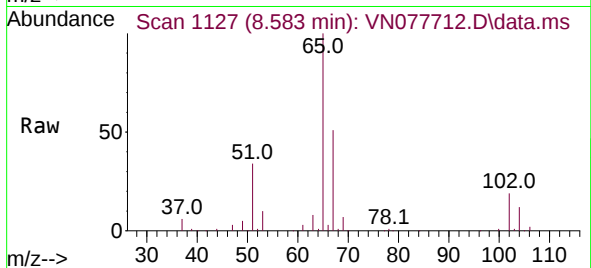
67 52.0 0.0 106.6

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: VN077712.D

Acq: 17 May 2023 14:32

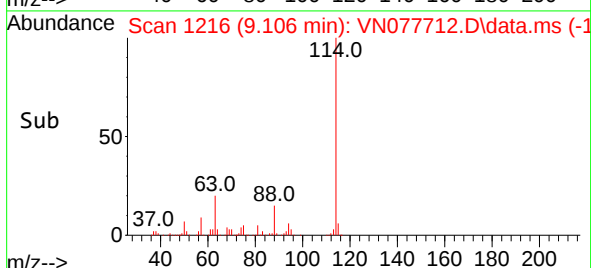
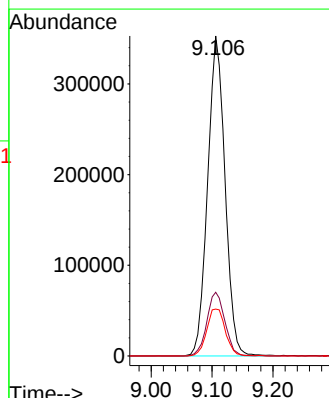
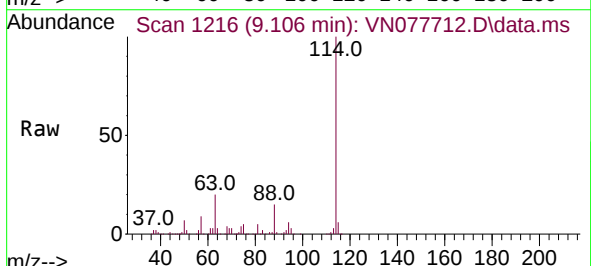
Tgt Ion:114 Resp: 700777

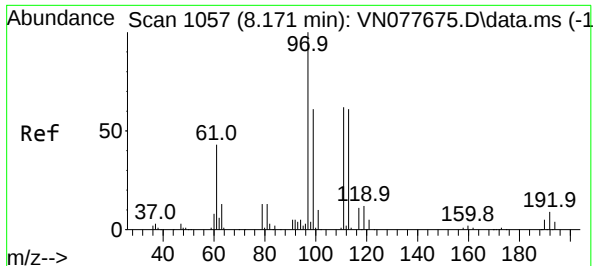
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

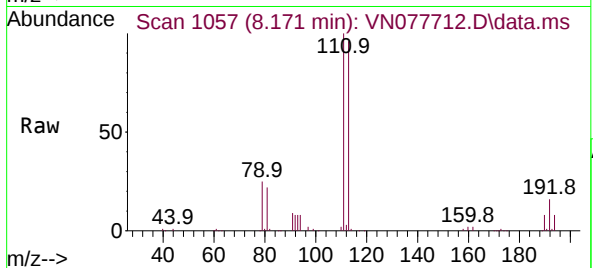
88 14.7 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.758 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

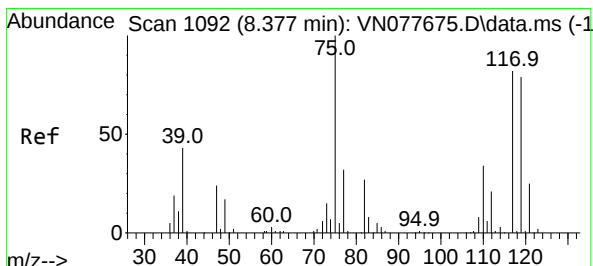
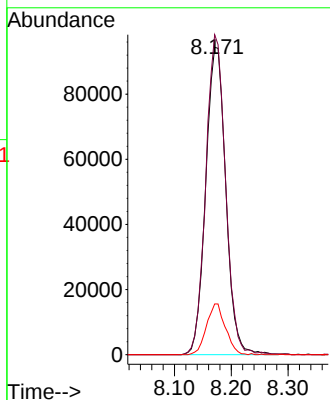
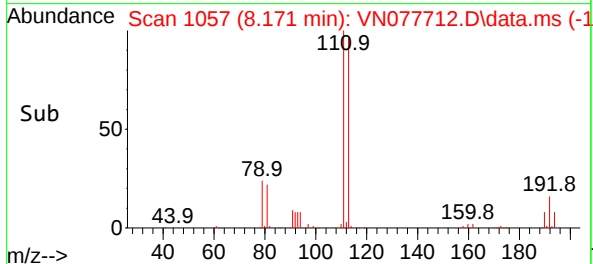
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 113 Resp: 231940
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 15.5 12.7 19.1

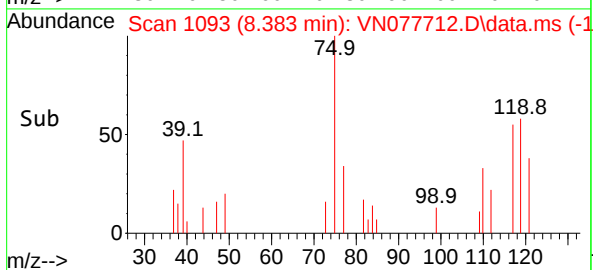
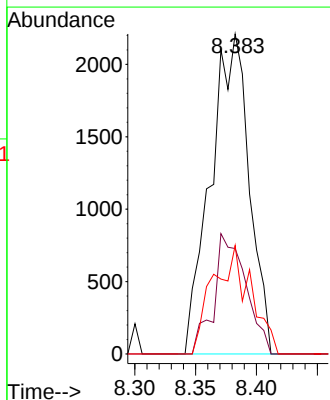
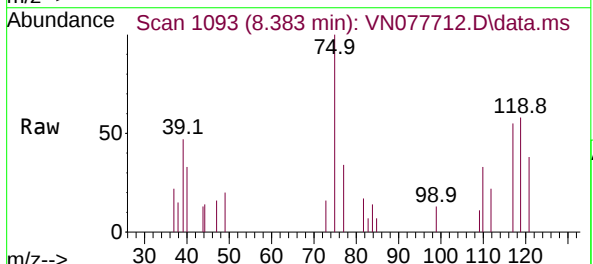
Manual Integrations
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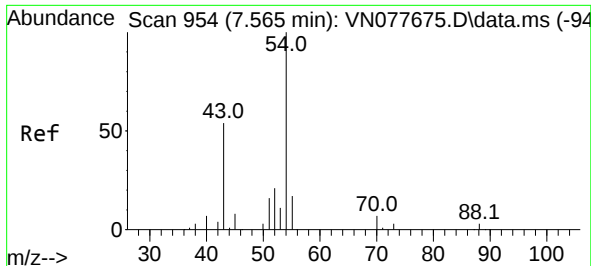
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#36
1,1-Dichloropropene
Concen: 0.731 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion: 75 Resp: 4884
Ion Ratio Lower Upper
75 100
110 31.1 19.1 57.3
77 33.1 25.0 37.4





#37

Ethyl Acetate

Concen: 0.736 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

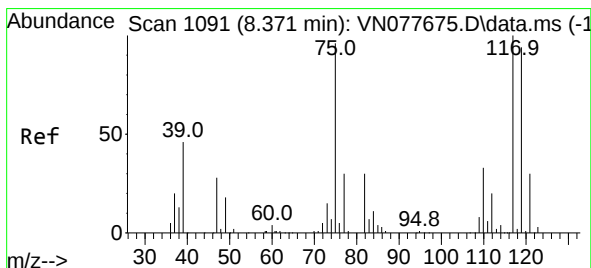
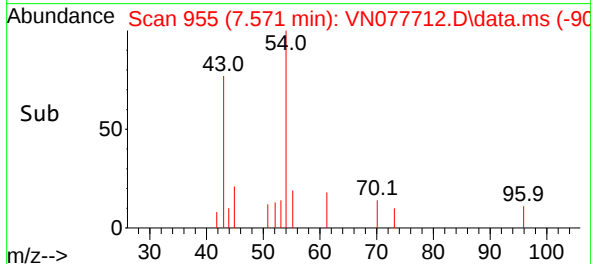
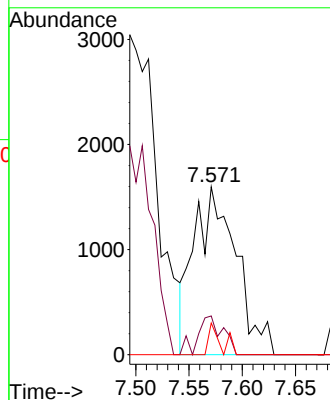
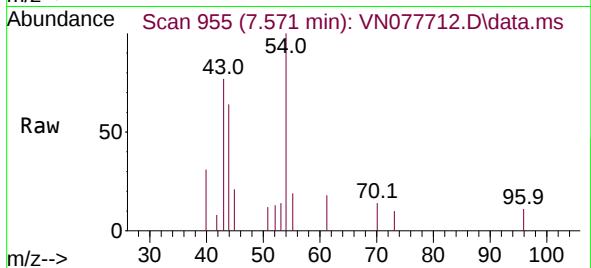
MDL-WATER-03-QT2-2023

Tgt Ion: 43	Resp: 438
Ion Ratio	Lower Upper
43 100	
61 13.7	13.2 19.8
70 3.7	11.3 16.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#38

Carbon Tetrachloride

Concen: 0.699 ug/l

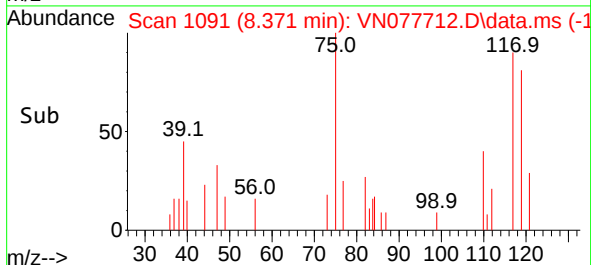
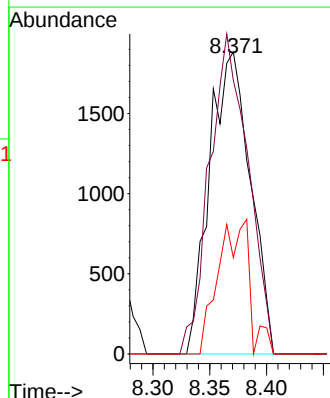
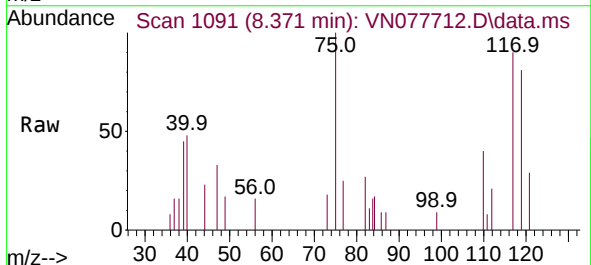
RT: 8.371 min Scan# 1091

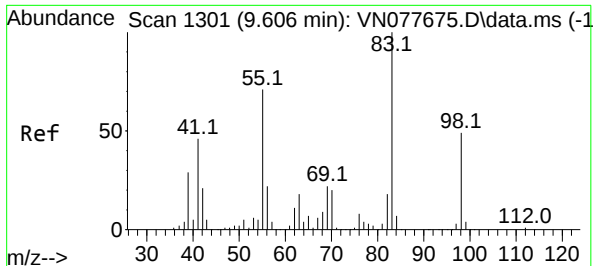
Delta R.T. -0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Tgt Ion: 117	Resp: 4720
Ion Ratio	Lower Upper
117 100	
119 90.6	77.3 115.9
121 31.9	23.3 34.9





#39

Methylcyclohexane

Concen: 0.712 ug/l

RT: 9.612 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

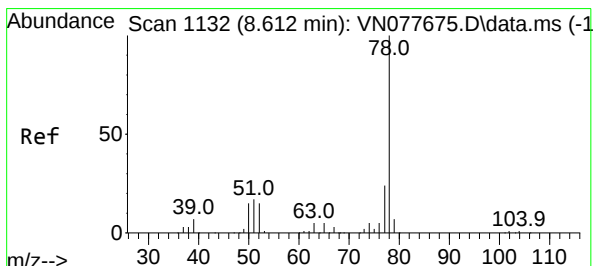
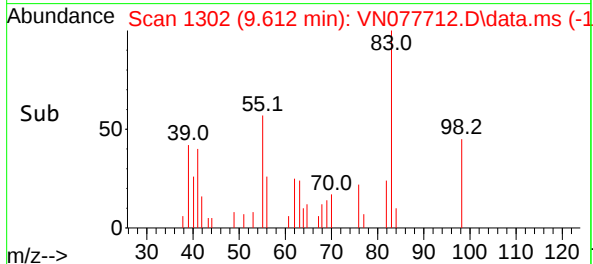
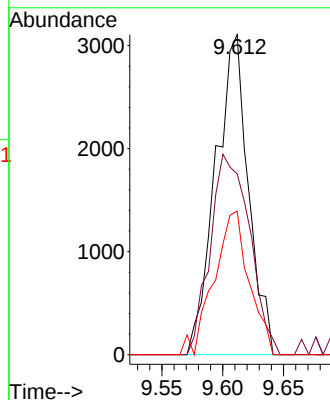
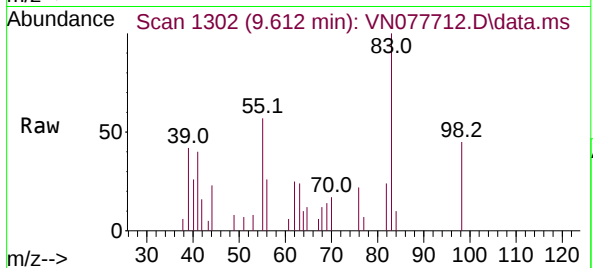
Tgt Ion: 83 Resp: 5830
 Ion Ratio Lower Upper
 83 100
 55 56.5 49.1 73.7
 98 44.9 40.6 61.0

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#40

Benzene

Concen: 0.715 ug/l

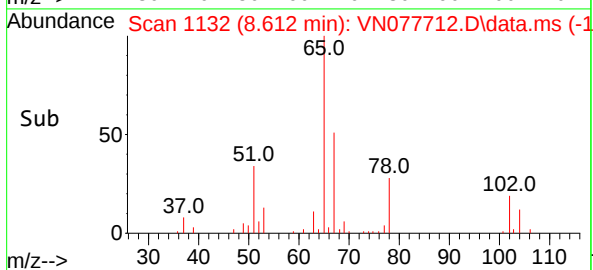
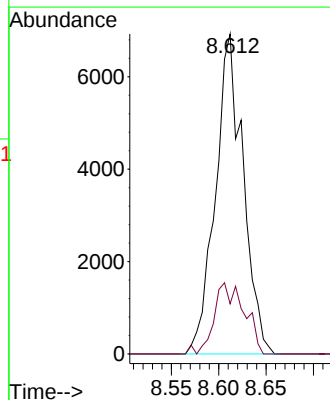
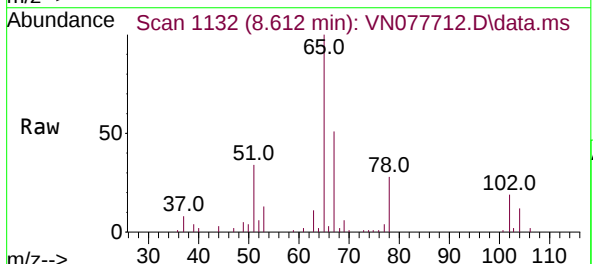
RT: 8.612 min Scan# 1132

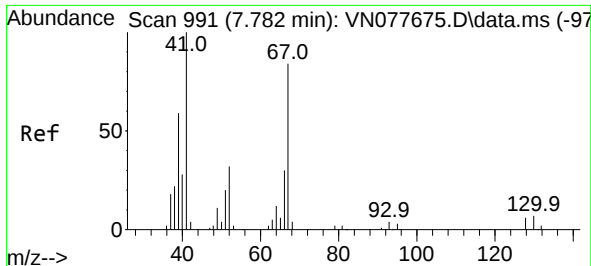
Delta R.T. -0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

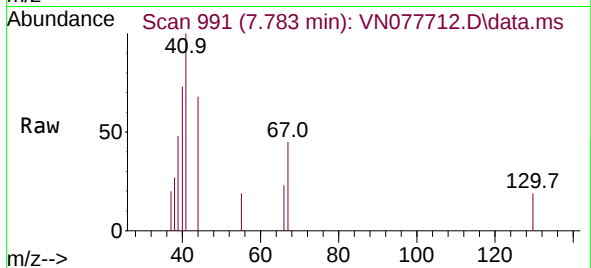
Tgt Ion: 78 Resp: 14094
 Ion Ratio Lower Upper
 78 100
 77 15.6 19.0 28.6#





#41
Methacrylonitrile
Concen: 0.698 ug/l m
RT: 7.783 min Scan# 991
Delta R.T. 0.001 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

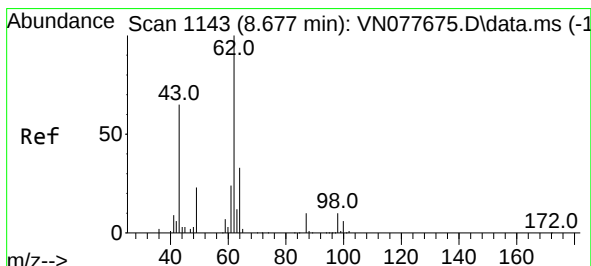
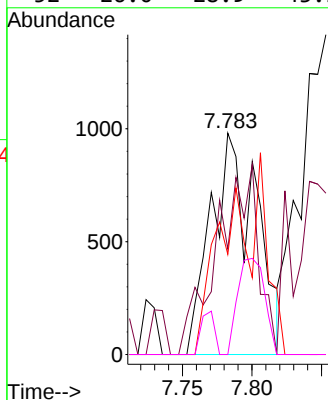
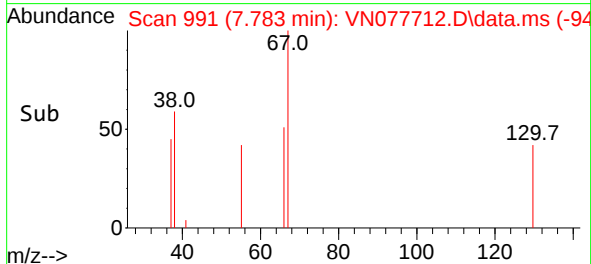
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 41 Resp: 2214
Ion Ratio Lower Upper
41 100
39 77.8 42.6 64.0
67 53.0 77.5 116.3
52 26.0 28.9 43.3

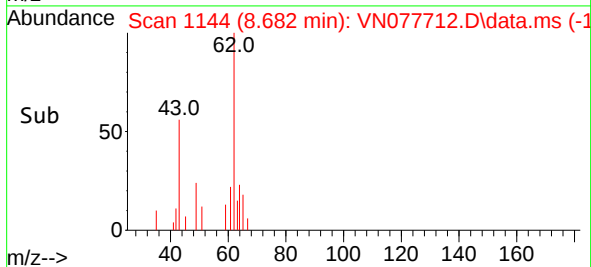
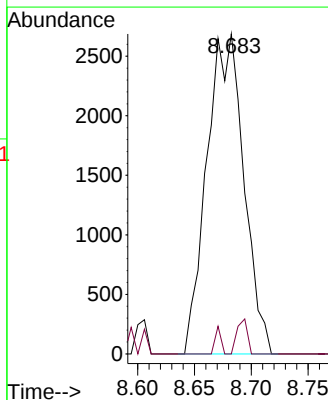
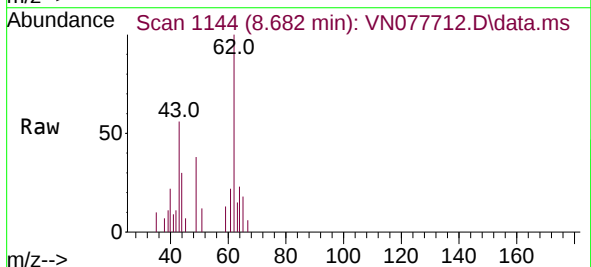
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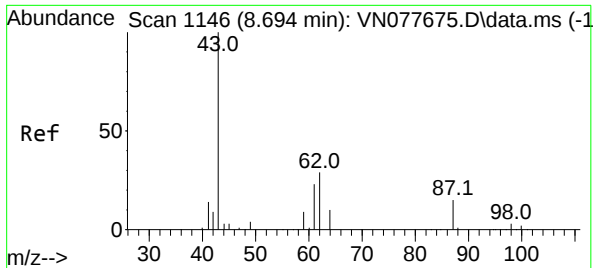
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#42
1,2-Dichloroethane
Concen: 0.849 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion: 62 Resp: 6081
Ion Ratio Lower Upper
62 100
98 3.1 0.0 19.8





#43

Isopropyl Acetate

Concen: 0.696 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 43 Resp: 6772

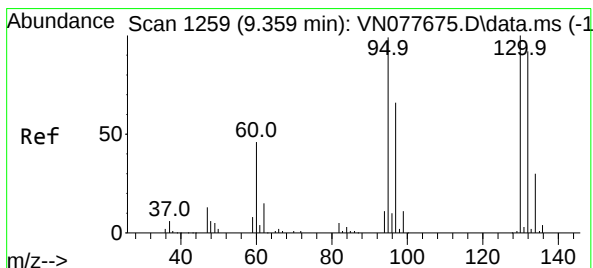
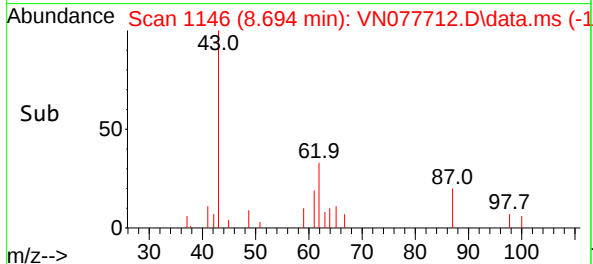
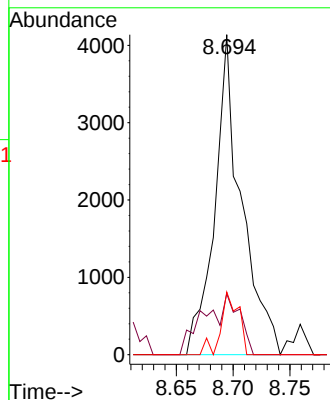
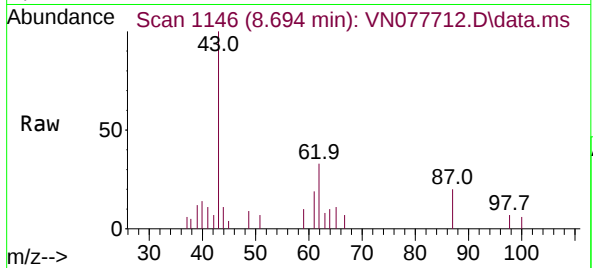
Ion	Ratio	Lower	Upper
43	100		
61	25.1	24.7	37.1
87	13.0	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#44

Trichloroethene

Concen: 0.694 ug/l

RT: 9.359 min Scan# 1259

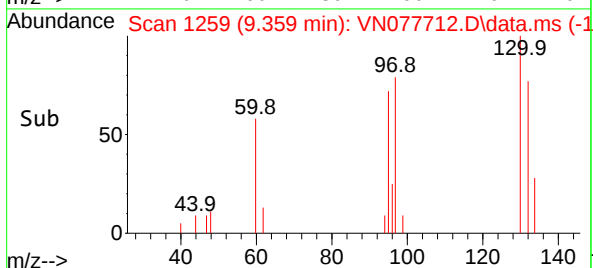
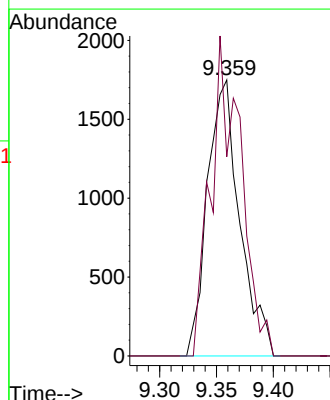
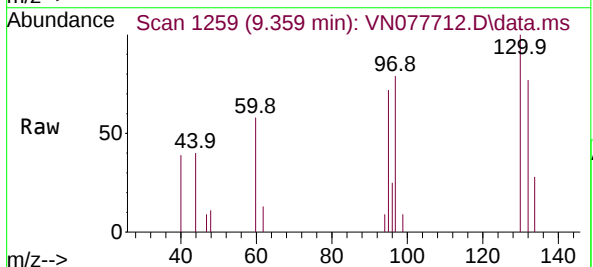
Delta R.T. -0.000 min

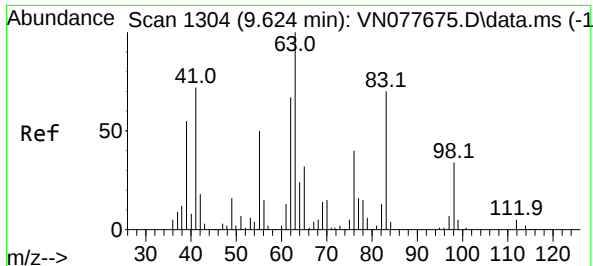
Lab File: VN077712.D

Acq: 17 May 2023 14:32

Tgt Ion:130 Resp: 3467

Ion	Ratio	Lower	Upper
130	100		
95	72.2	0.0	204.6





#45

1,2-Dichloropropane

Concen: 0.736 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

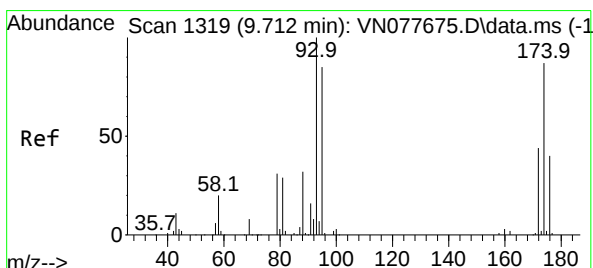
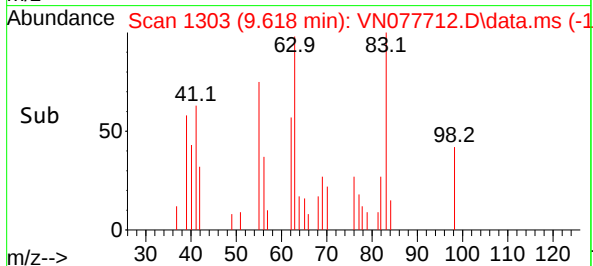
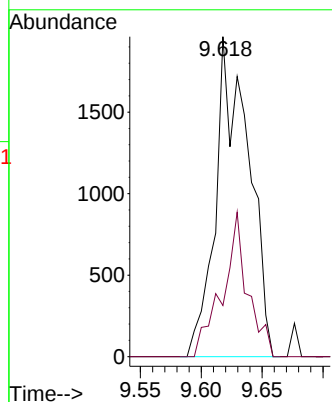
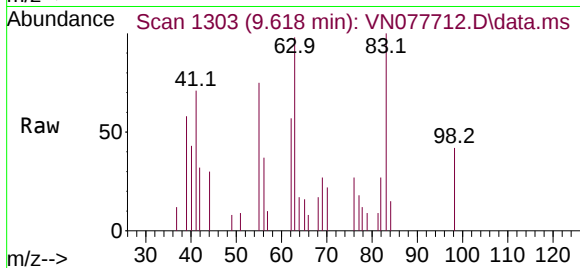
ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 63 Resp: 370
 Ion Ratio Lower Upper
 63 100
 65 16.0 23.9 35.9

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



#46

Dibromomethane

Concen: 0.767 ug/l

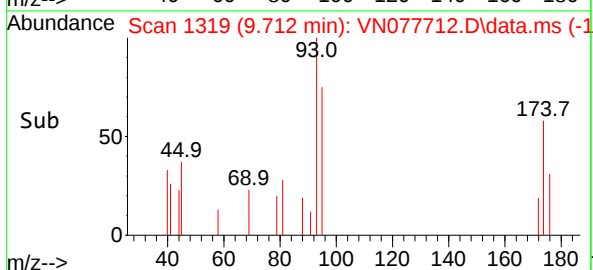
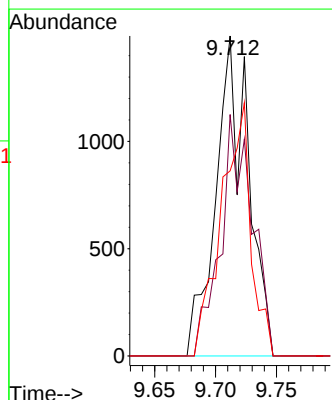
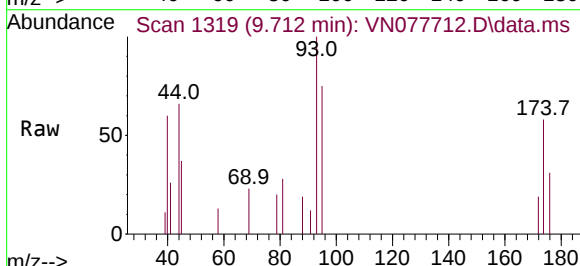
RT: 9.712 min Scan# 1319

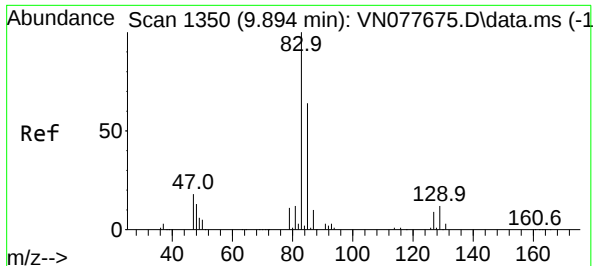
Delta R.T. -0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Tgt Ion: 93 Resp: 2763
 Ion Ratio Lower Upper
 93 100
 95 73.2 63.8 95.8
 174 72.0 65.6 98.4





#47

Bromodichloromethane

Concen: 0.724 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

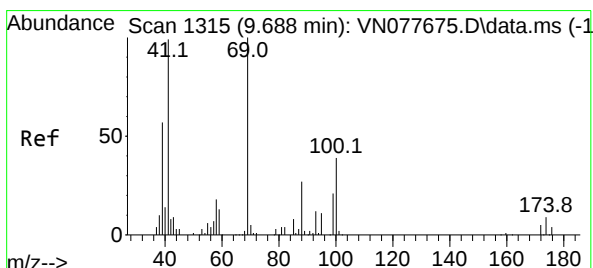
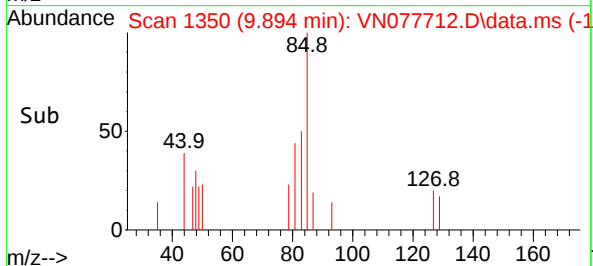
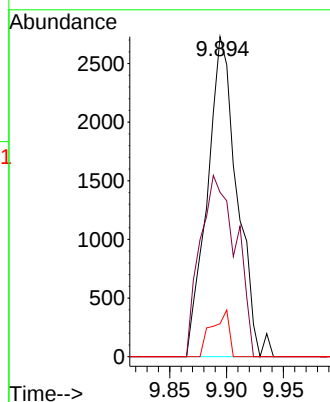
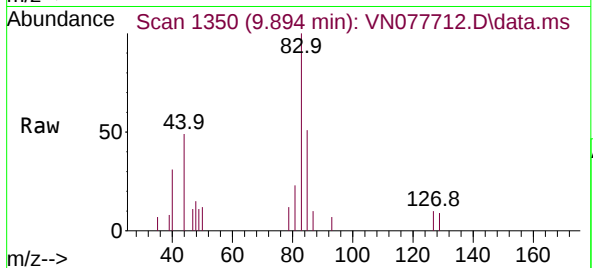
Tgt Ion: 83	Resp: 499
Ion Ratio	Lower Upper
83 100	
85 51.4	49.6 74.4
127 10.3	7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#48

Methyl methacrylate

Concen: 0.792 ug/l

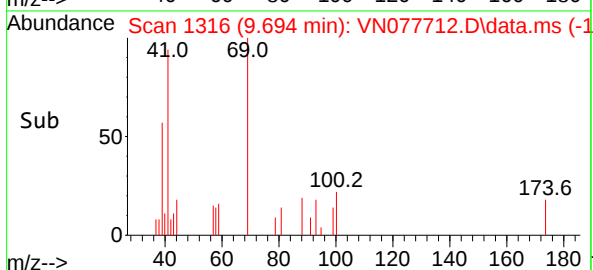
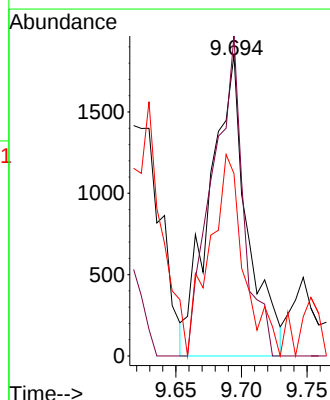
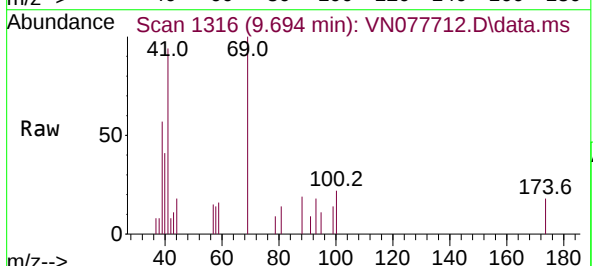
RT: 9.694 min Scan# 1316

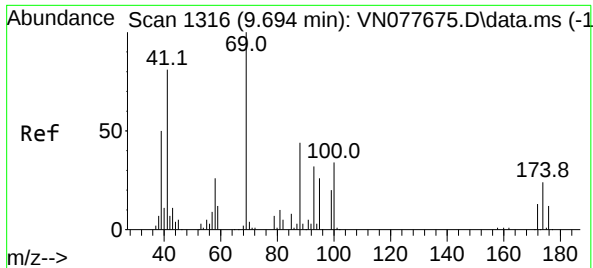
Delta R.T. 0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Tgt Ion: 41	Resp: 3654
Ion Ratio	Lower Upper
41 100	
69 88.6	90.4 135.6#
39 61.6	54.6 81.8





#49

1,4-Dioxane

Concen: 11.958 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077712.D

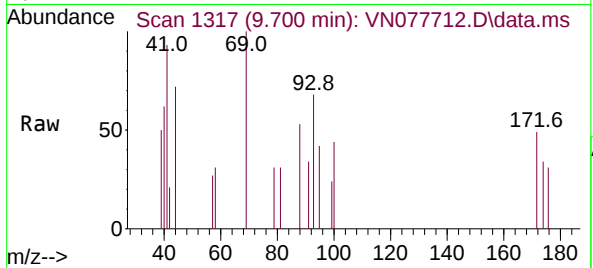
Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6

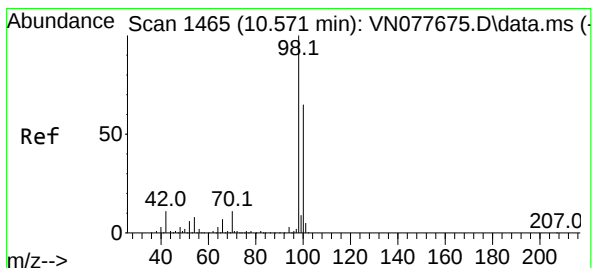
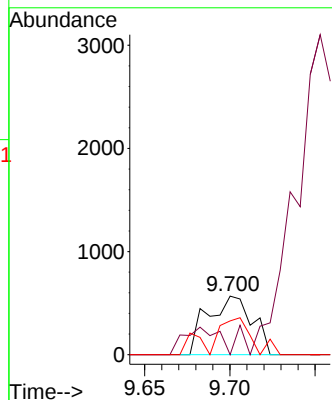
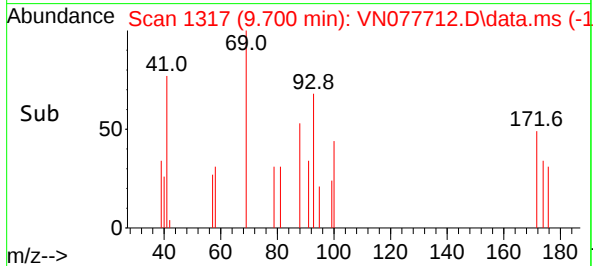
58 44.2 47.0 70.4

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#50

Toluene-d8

Concen: 49.482 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077712.D

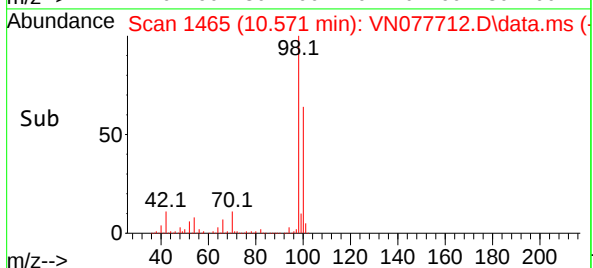
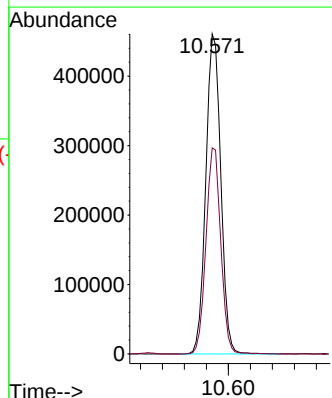
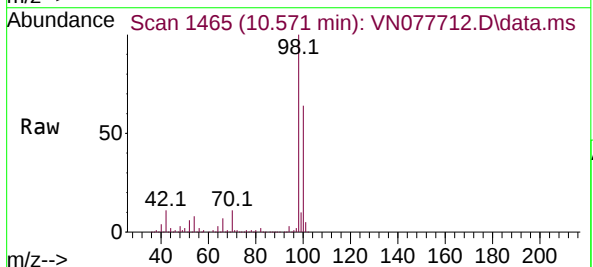
Acq: 17 May 2023 14:32

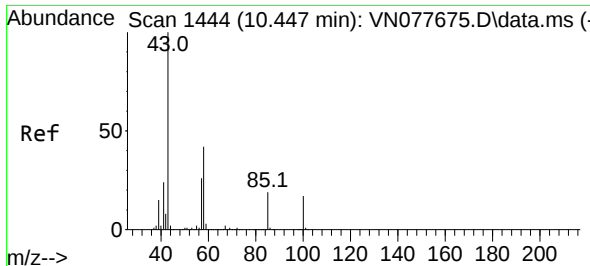
Tgt Ion: 98 Resp: 870341

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0





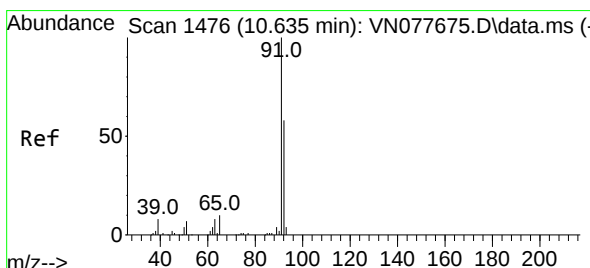
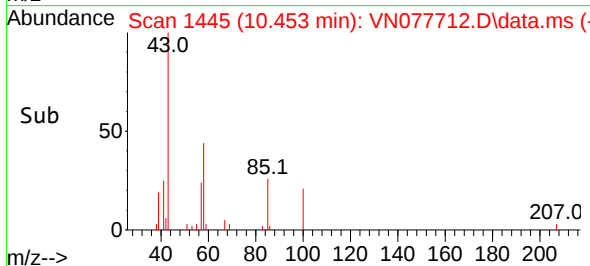
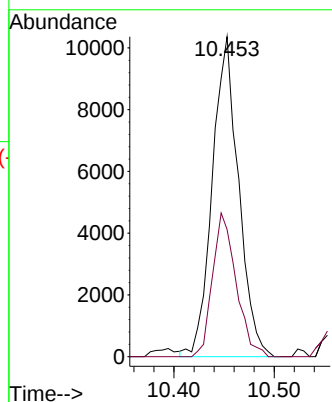
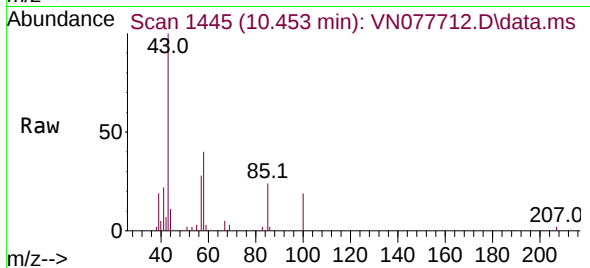
#51
4-Methyl-2-Pentanone
Concen: 3.267 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

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

Tgt Ion: 43 Resp: 18894
Ion Ratio Lower Upper
43 100
58 40.2 36.6 54.8

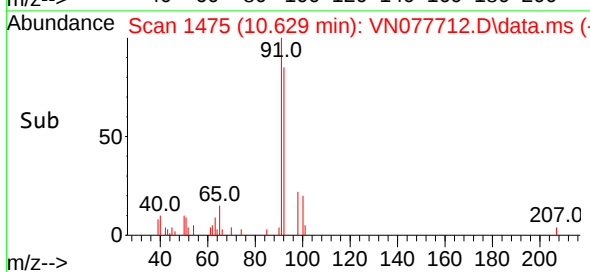
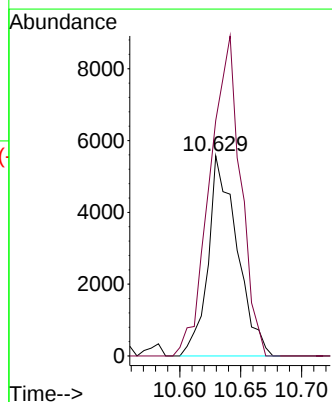
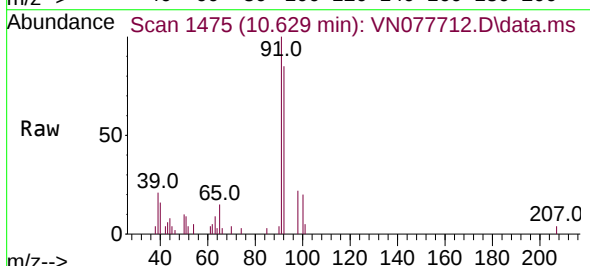
Manual Integrations
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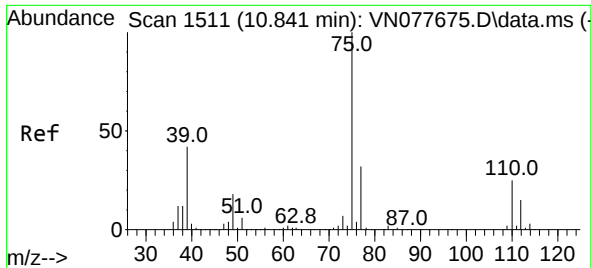
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#52
Toluene
Concen: 0.749 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

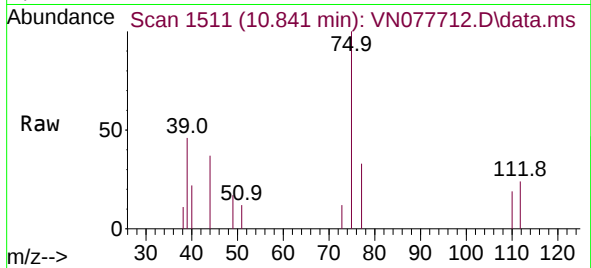
Tgt Ion: 92 Resp: 9195
Ion Ratio Lower Upper
92 100
91 171.2 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 0.652 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

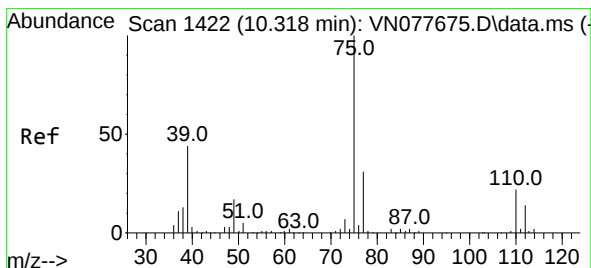
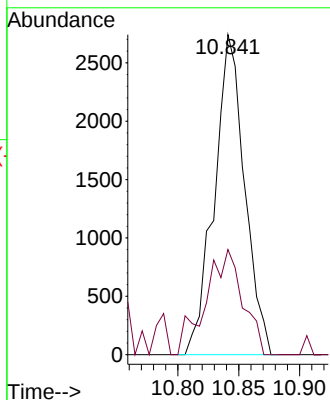
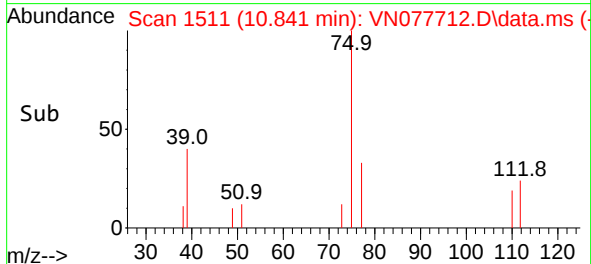
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 75 Resp: 4758
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.0

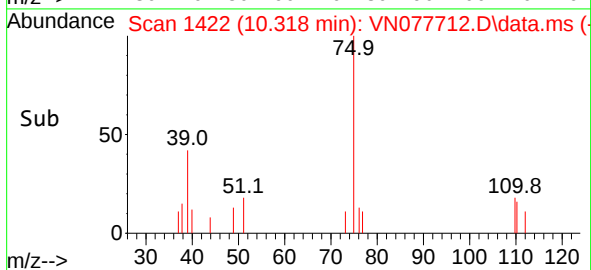
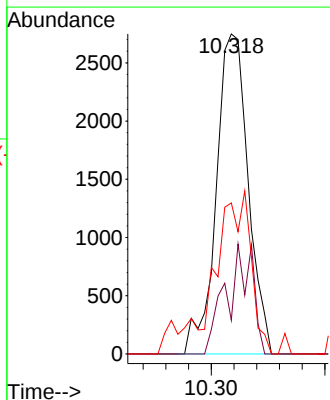
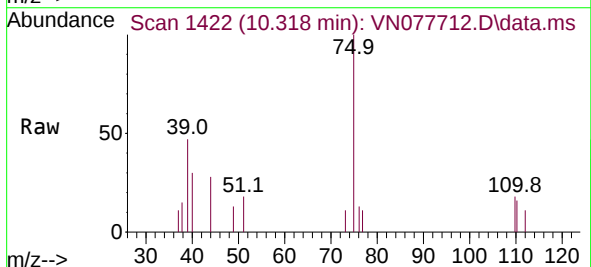
Manual Integrations
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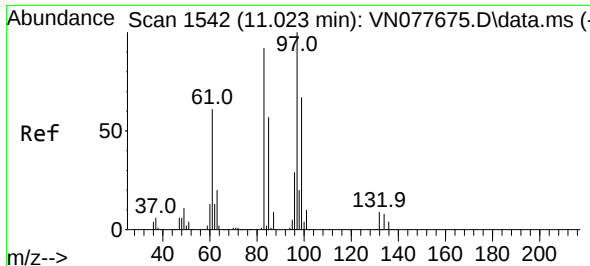
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#54
 cis-1,3-Dichloropropene
 Concen: 0.670 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

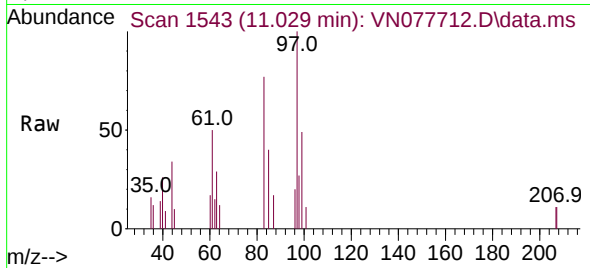
Tgt Ion: 75 Resp: 5386
 Ion Ratio Lower Upper
 75 100
 77 10.6 26.1 39.1#
 39 47.2 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 0.640 ug/l
RT: 11.029 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

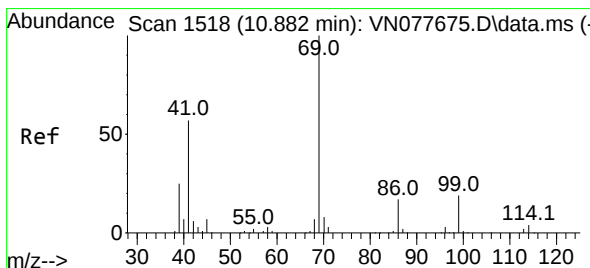
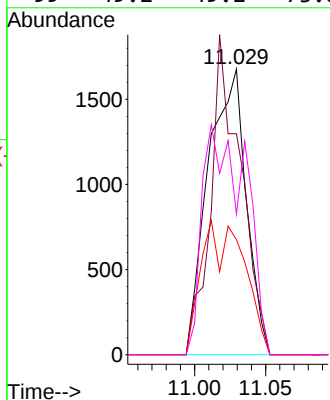
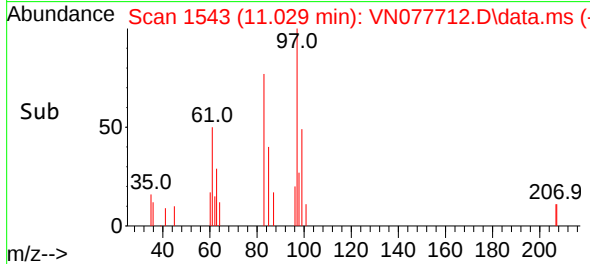
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	77.4	65.1	97.7
85	40.3	43.4	65.2
99	49.2	49.2	73.8

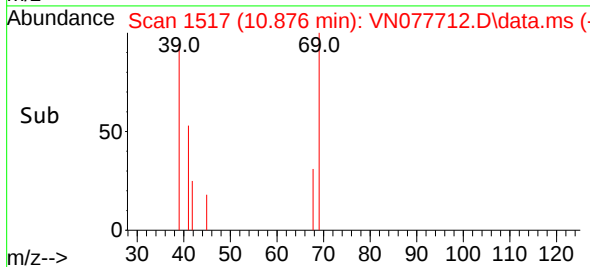
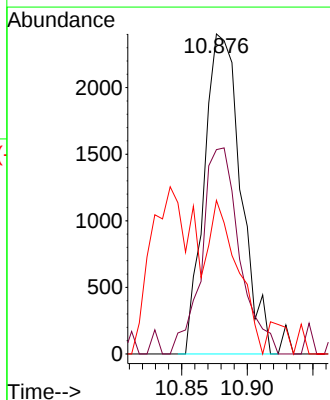
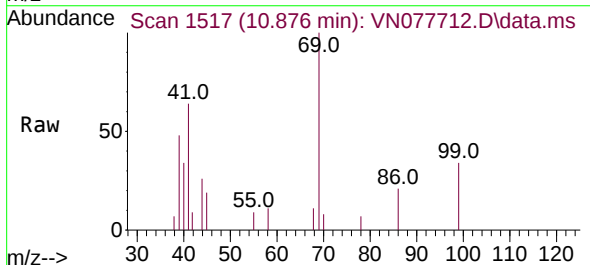
Manual Integrations
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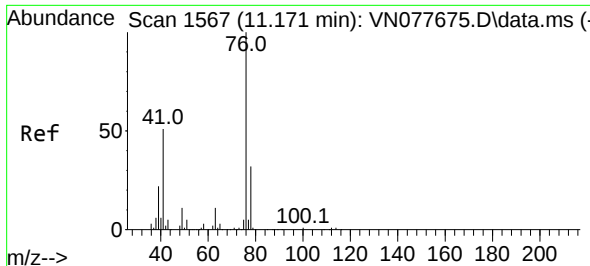
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#56
Ethyl methacrylate
Concen: 0.632 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.5	39.6	59.4
39	38.2	28.6	43.0





#57

1,3-Dichloropropane

Concen: 0.714 ug/l

RT: 11.176 min Scan# 1167

Delta R.T. 0.005 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 76 Resp: 596

Ion Ratio Lower Upper

76 100

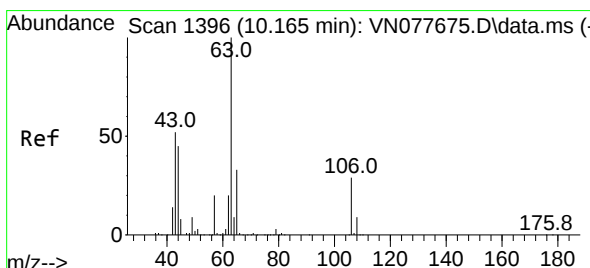
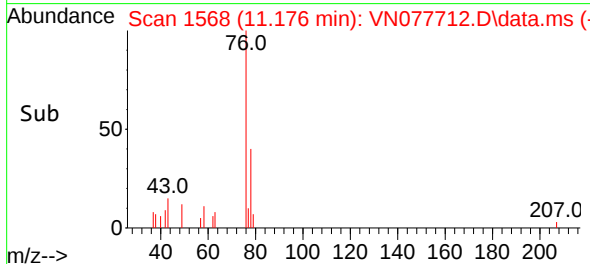
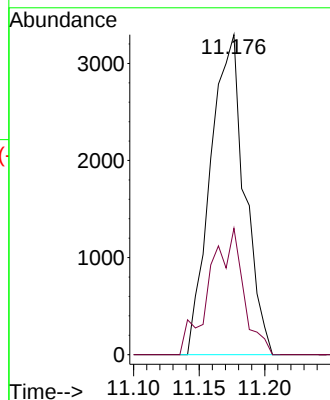
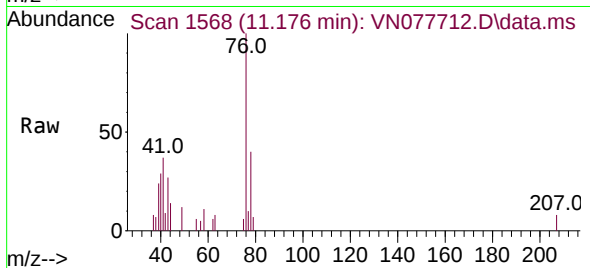
78 39.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 3.218 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN077712.D

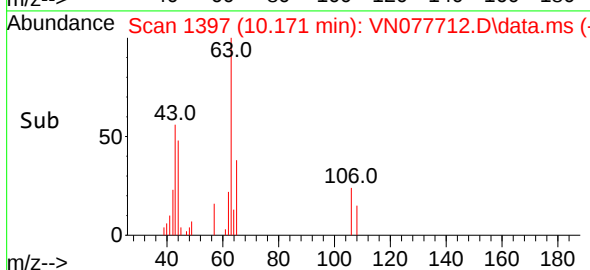
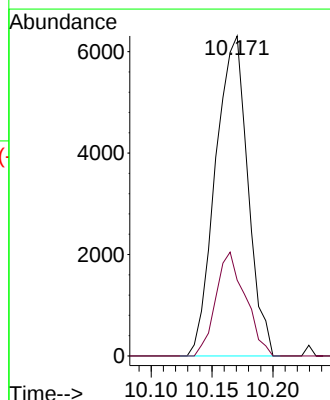
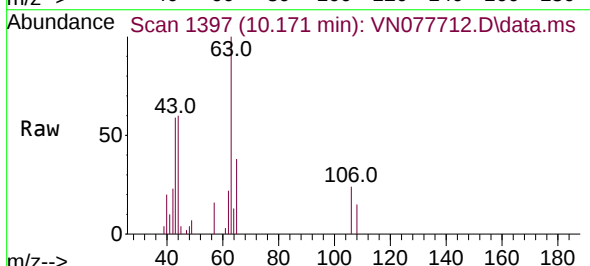
Acq: 17 May 2023 14:32

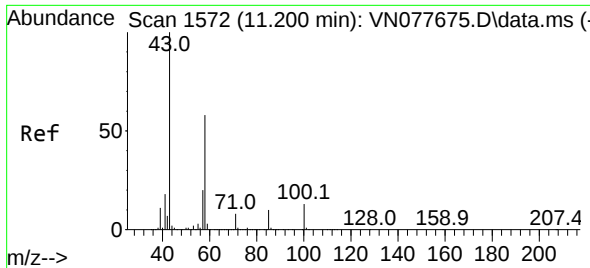
Tgt Ion: 63 Resp: 11671

Ion Ratio Lower Upper

63 100

106 29.8 26.2 39.4





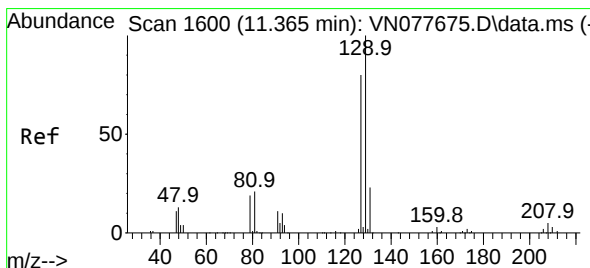
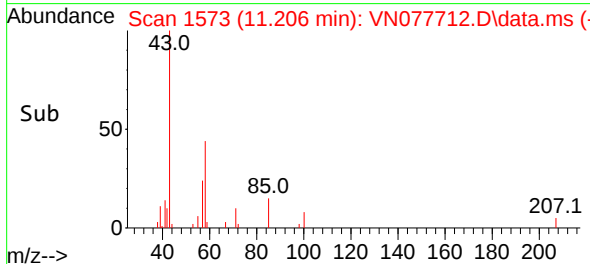
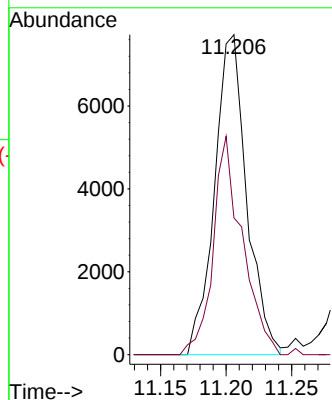
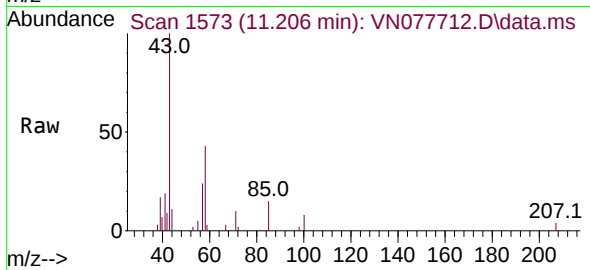
#59
2-Hexanone
Concen: 3.083 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

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

Tgt Ion: 43 Resp: 13190
Ion Ratio Lower Upper
43 100
58 61.6 31.7 95.1

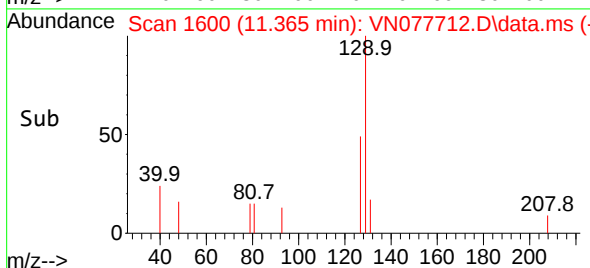
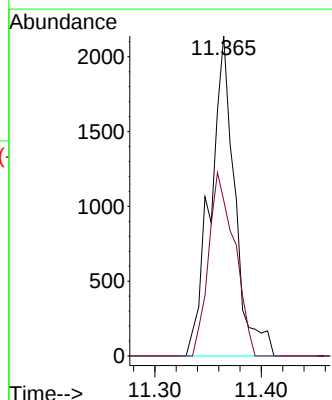
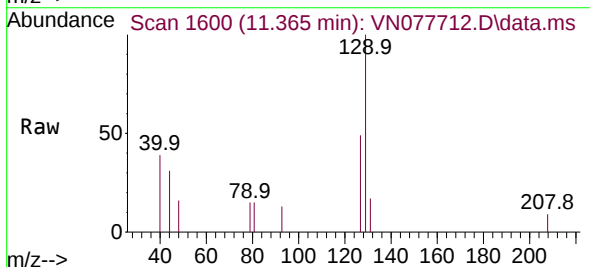
Manual Integrations
APPROVED

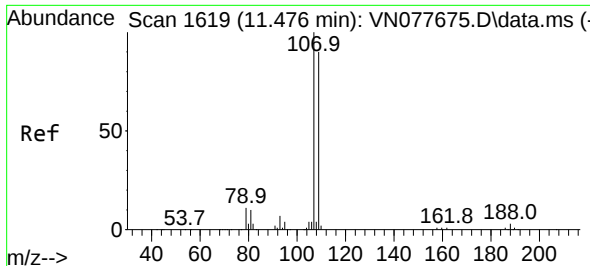
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#60
Dibromochloromethane
Concen: 0.679 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion:129 Resp: 3420
Ion Ratio Lower Upper
129 100
127 60.8 38.6 116.0





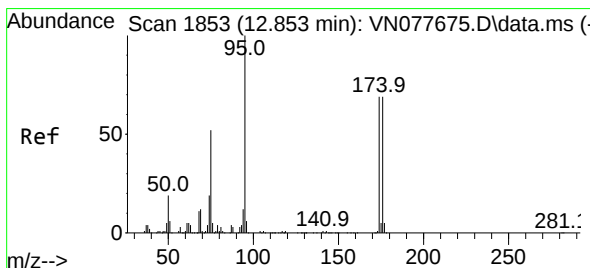
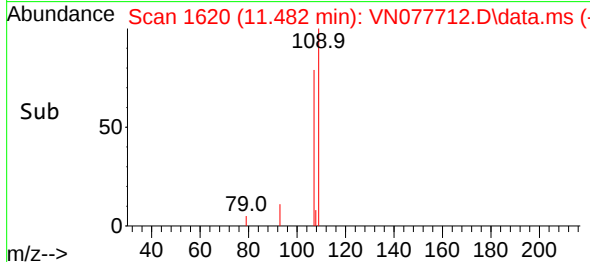
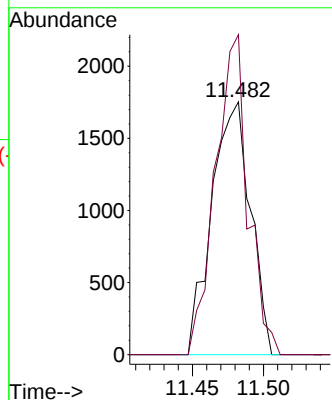
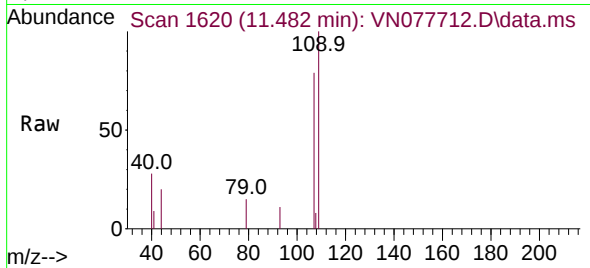
#61
1,2-Dibromoethane
Concen: 0.684 ug/l
RT: 11.482 min Scan# 107
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

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

Tgt Ion:107 Resp: 332
Ion Ratio Lower Upper
107 100
109 106.0 76.6 114.8

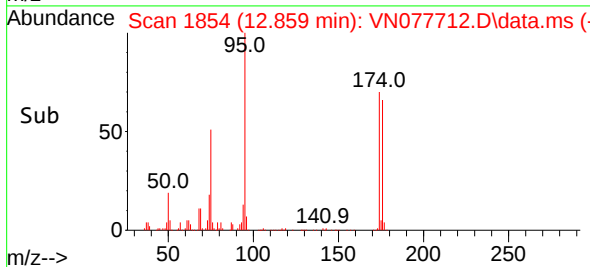
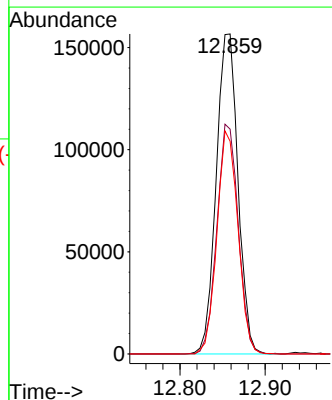
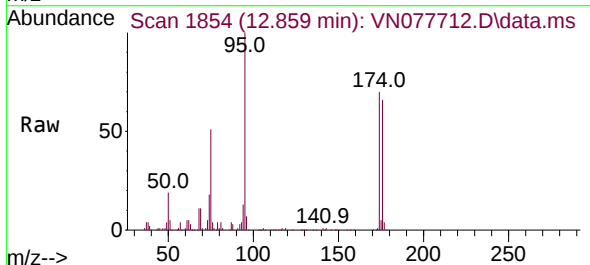
Manual Integrations
APPROVED

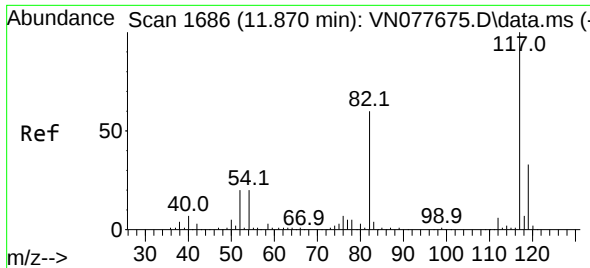
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#62
4-Bromofluorobenzene
Concen: 44.697 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

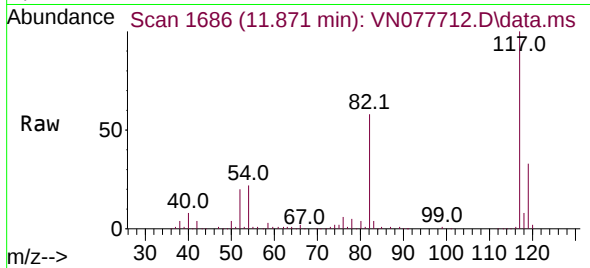
Tgt Ion: 95 Resp: 277663
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.8
176 67.4 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

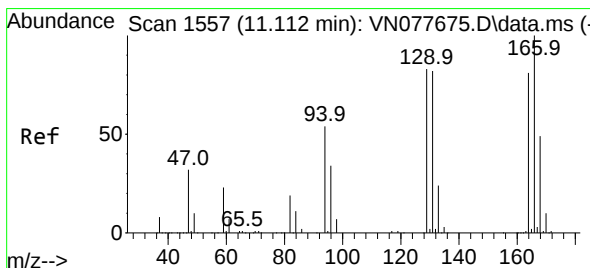
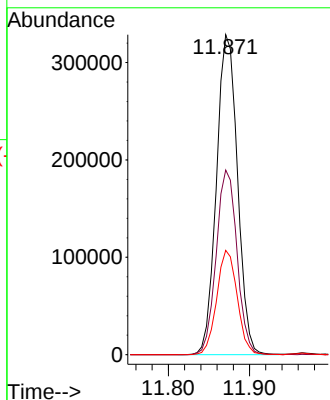
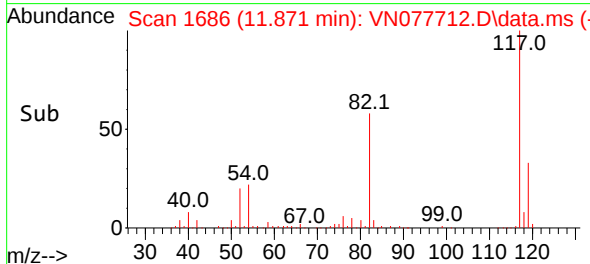
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:117 Resp: 593028
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 32.6 25.6 38.4

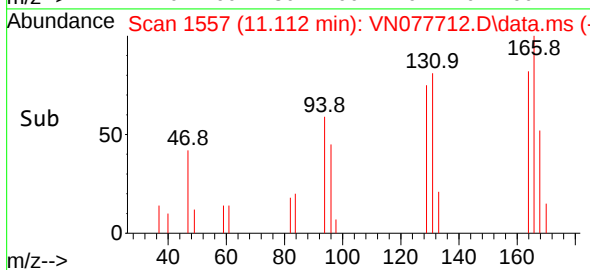
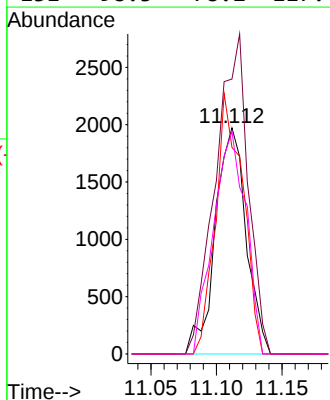
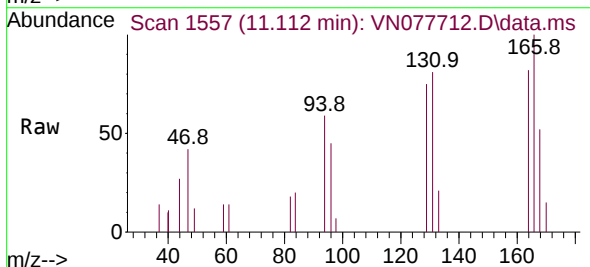
Manual Integrations
APPROVED

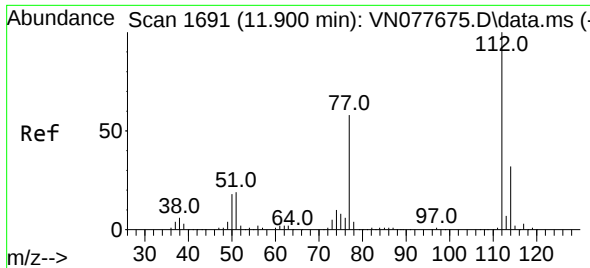
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#64
Tetrachloroethene
Concen: 0.781 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

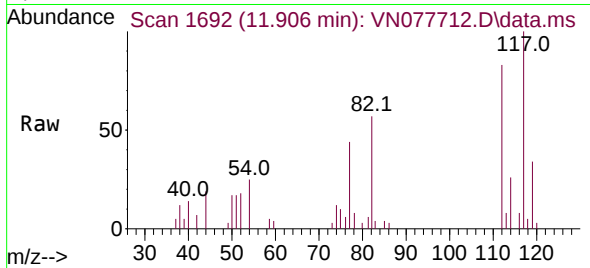
Tgt Ion:164 Resp: 3237
Ion Ratio Lower Upper
164 100
166 121.6 101.4 152.0
129 91.3 82.4 123.6
131 98.3 78.2 117.4





#65
Chlorobenzene
Concen: 0.724 ug/l
RT: 11.906 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

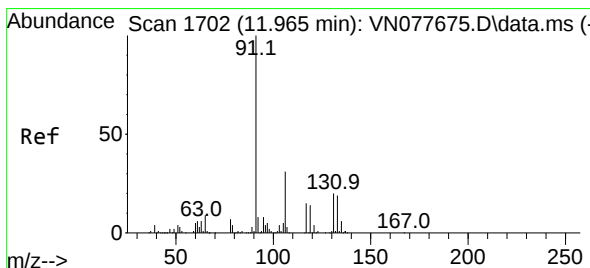
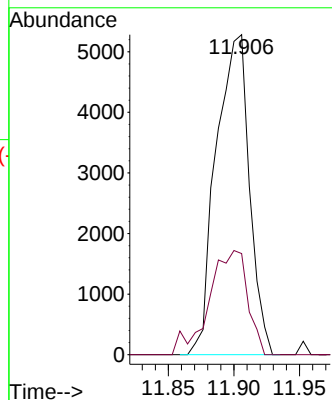
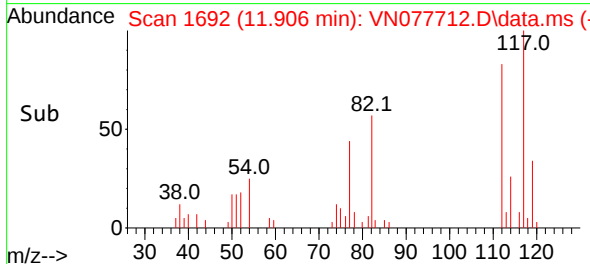
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:112 Resp: 930
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.4

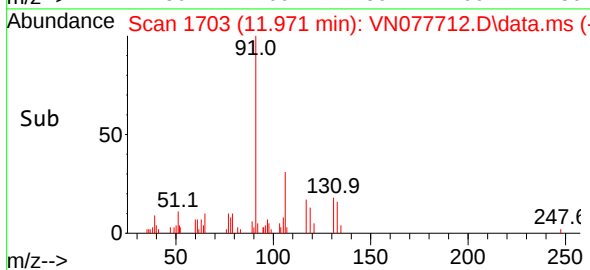
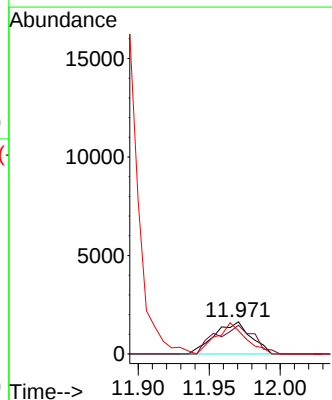
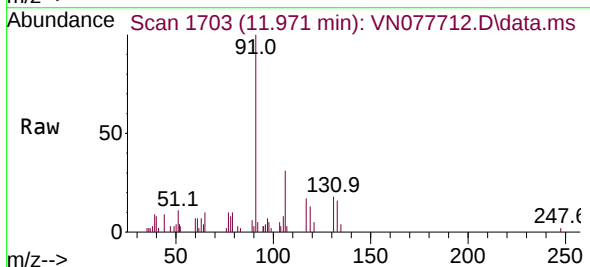
Manual Integrations
APPROVED

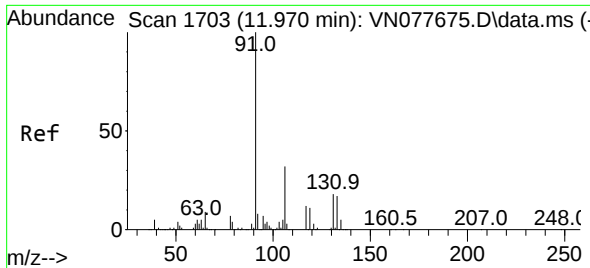
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.651 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

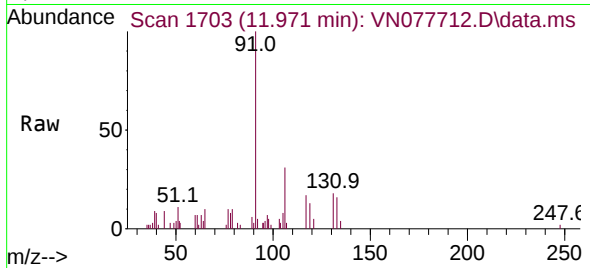
Tgt Ion:131 Resp: 2897
Ion Ratio Lower Upper
131 100
133 93.8 46.4 139.1
119 0.0 34.1 102.2#





#67
Ethyl Benzene
Concen: 0.712 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

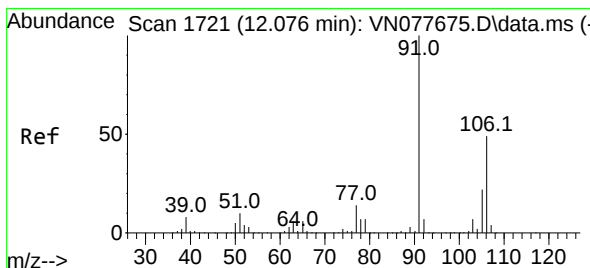
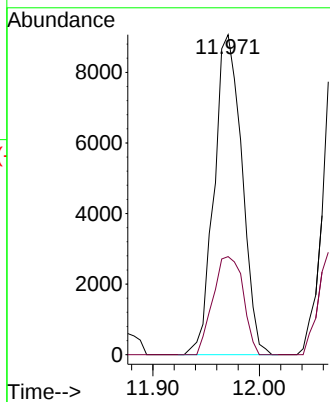
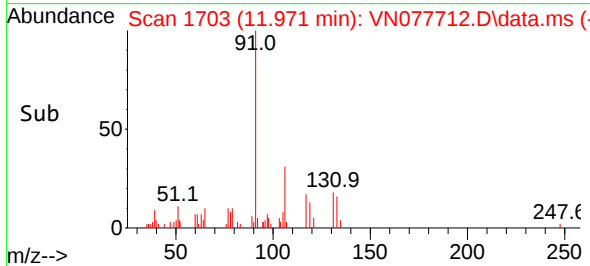
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



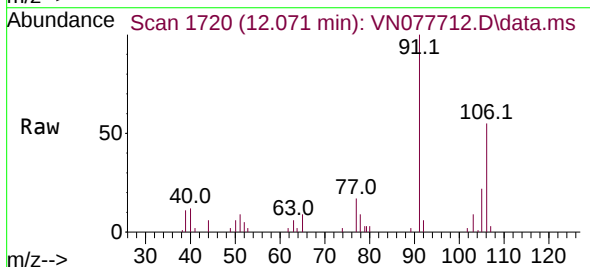
Tgt Ion: 91 Resp: 1640
Ion Ratio Lower Upper
91 100
106 30.7 25.6 38.4

Manual Integrations
APPROVED

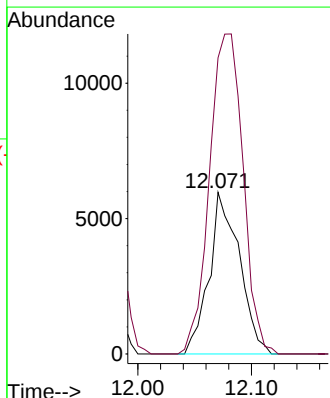
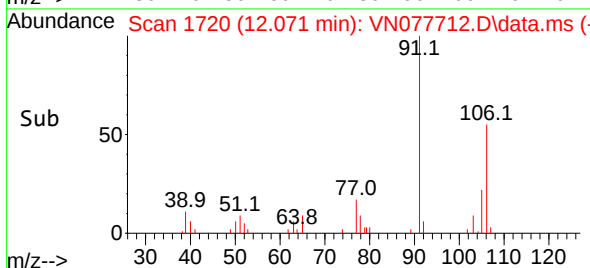
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

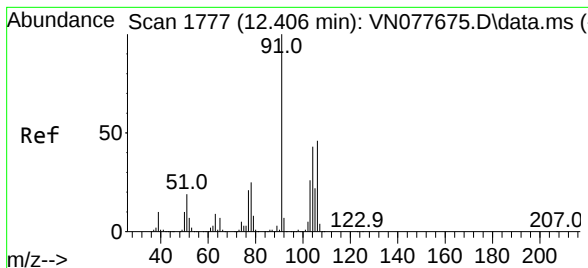


#68
m/p-Xylenes
Concen: 1.265 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32



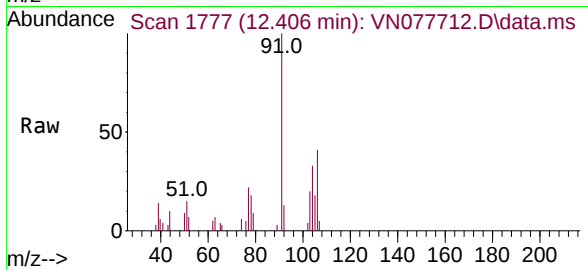
Tgt Ion:106 Resp: 11040
Ion Ratio Lower Upper
106 100
91 220.3 159.6 239.4





#69
o-Xylene
Concen: 0.620 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

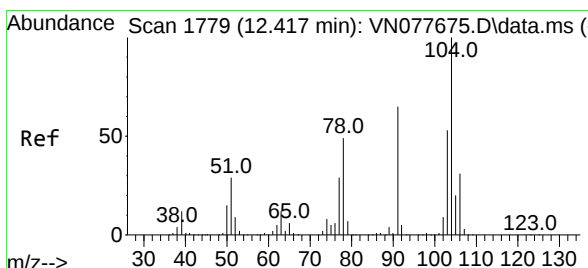
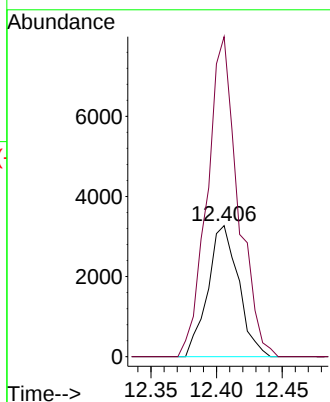
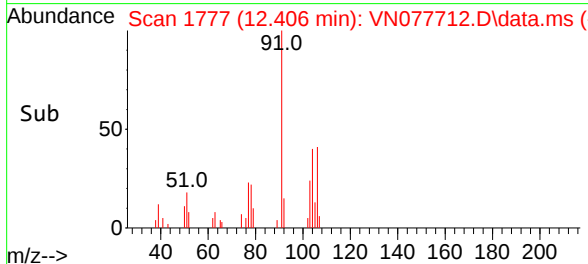
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:106 Resp: 5320
Ion Ratio Lower Upper
106 100
91 246.4 105.2 315.5

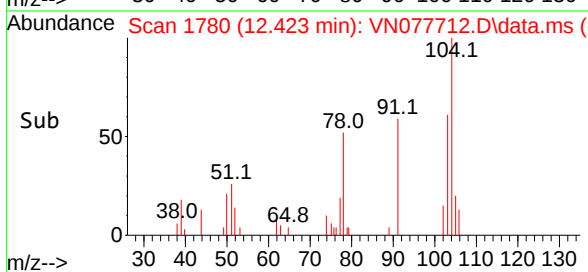
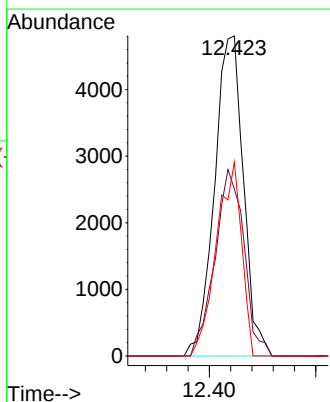
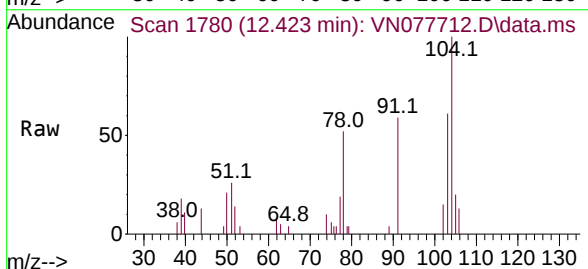
Manual Integrations
APPROVED

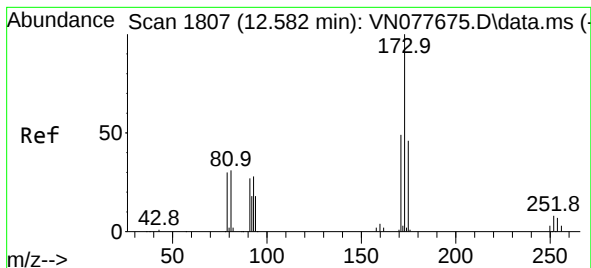
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#70
Styrene
Concen: 0.662 ug/l
RT: 12.423 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion:104 Resp: 9031
Ion Ratio Lower Upper
104 100
78 59.1 39.5 59.3
103 52.8 43.2 64.8





#71

Bromoform

Concen: 0.607 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

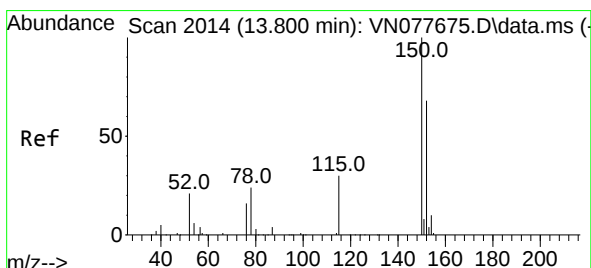
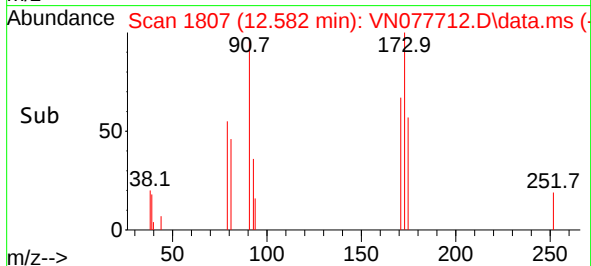
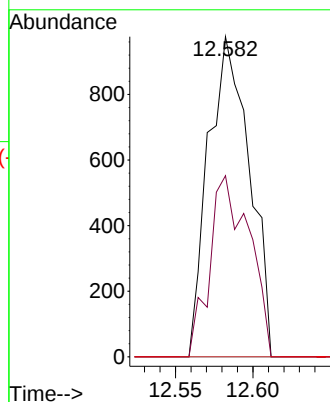
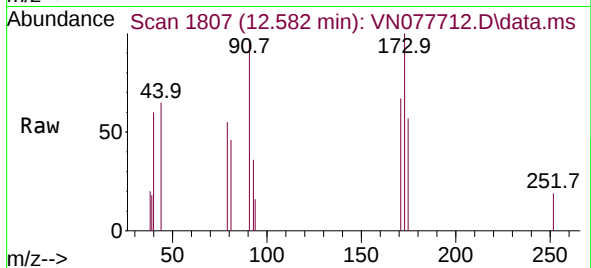
Tgt Ion:	173	Resp:	179
Ion Ratio	Lower	Upper	
173	100		
175	54.6	24.3	73.0
254	0.0	0.0	0.0

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

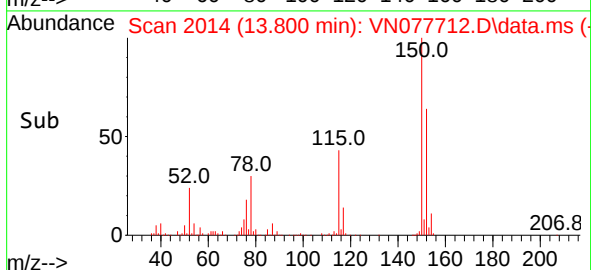
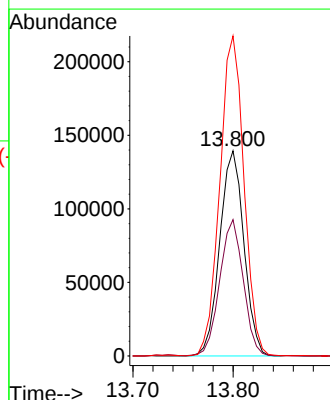
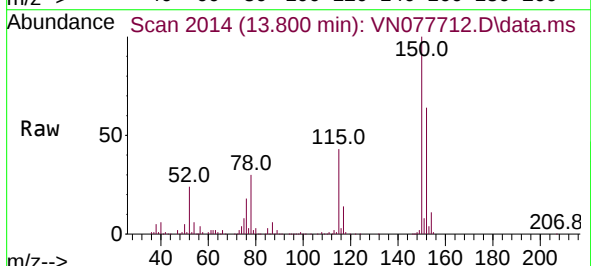
RT: 13.800 min Scan# 2014

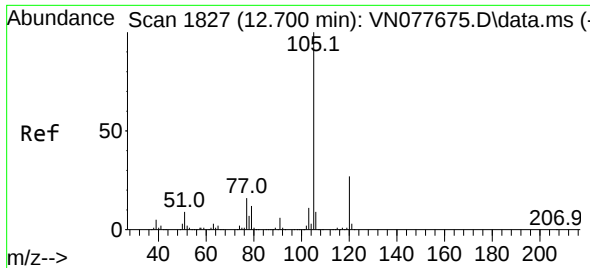
Delta R.T. -0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

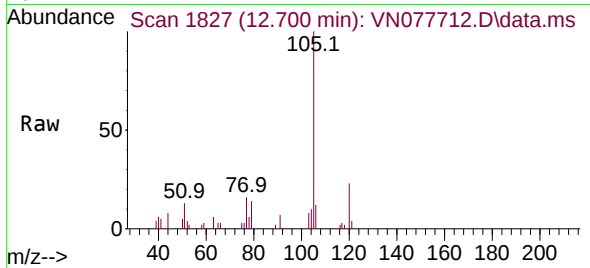
Tgt Ion:	152	Resp:	232794
Ion Ratio	Lower	Upper	
152	100		
115	65.0	32.3	96.8
150	156.0	0.0	355.8





#73
Isopropylbenzene
Concen: 0.694 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

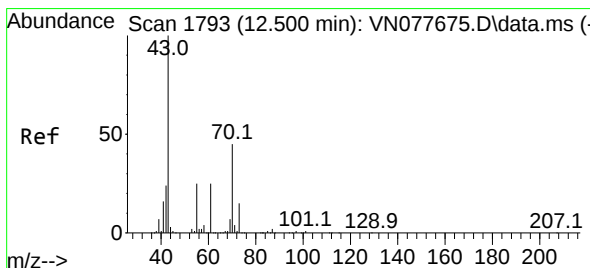
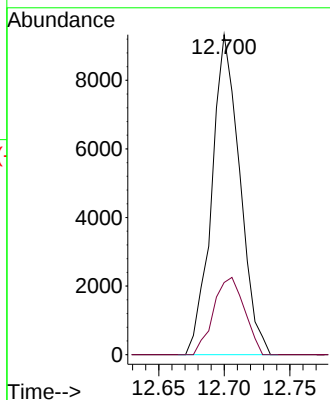
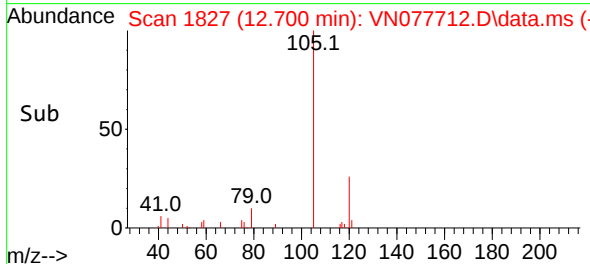
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



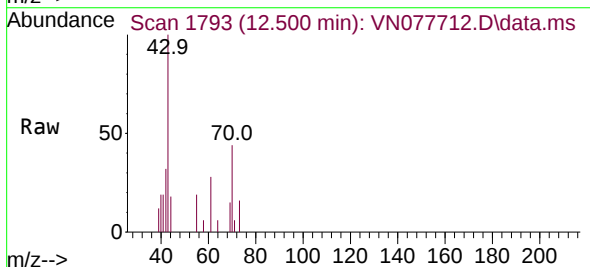
Tgt Ion:105 Resp: 13929
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.1

Manual Integrations
APPROVED

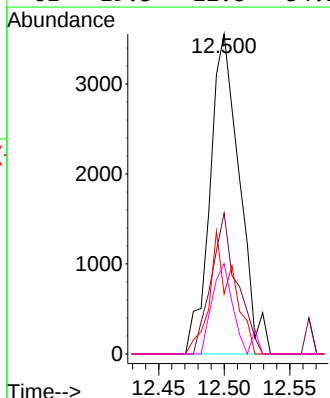
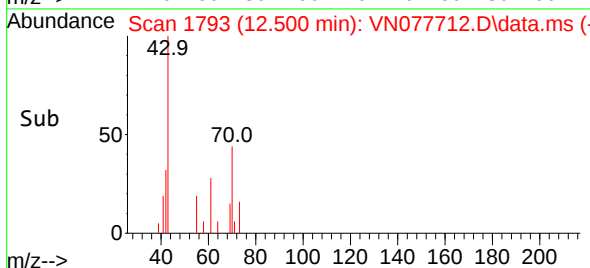
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

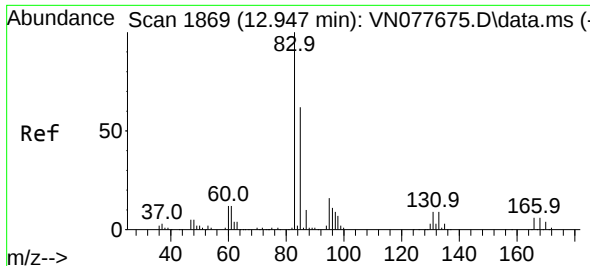


#74
N-ethyl acetate
Concen: 0.749 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32



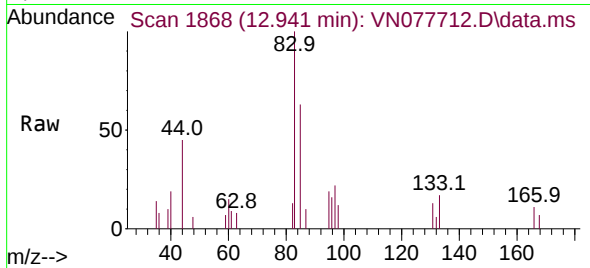
Tgt Ion: 43 Resp: 5556
Ion Ratio Lower Upper
43 100
70 38.2 43.4 65.2#
55 30.2 21.4 32.0
61 19.3 22.8 34.2#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.672 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

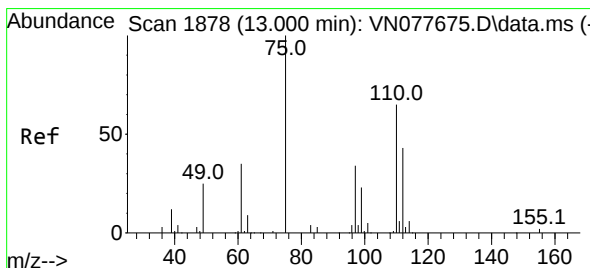
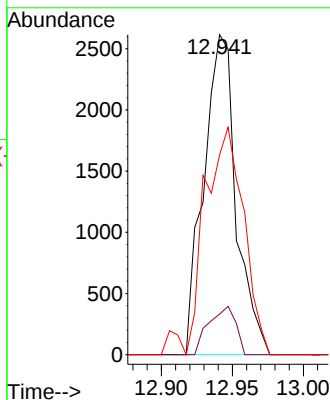
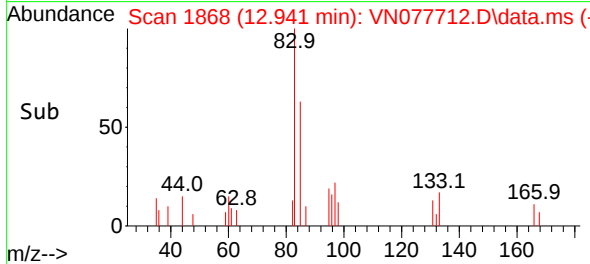
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 83 Resp: 4140
Ion Ratio Lower Upper
83 100
131 12.6 5.0 15.0
85 87.4 31.9 95.7

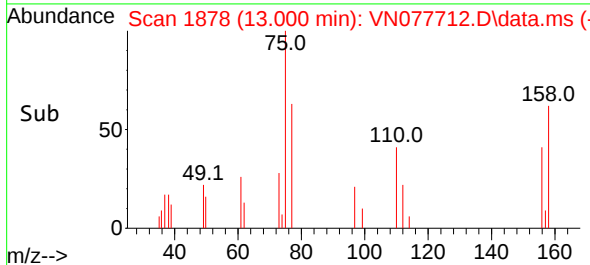
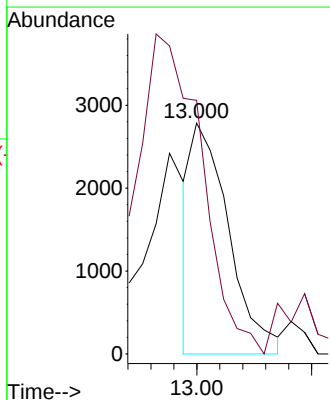
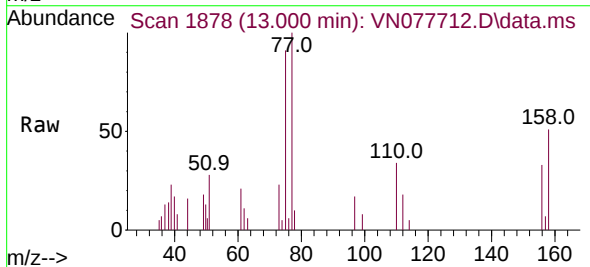
Manual Integrations
APPROVED

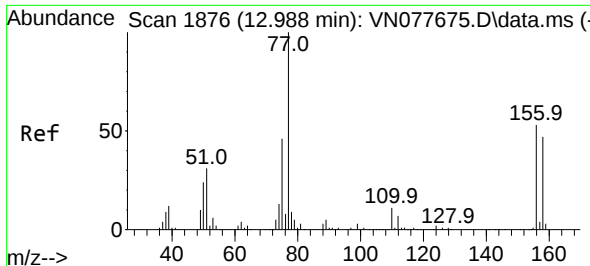
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#76
1,2,3-Trichloropropane
Concen: 0.545 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

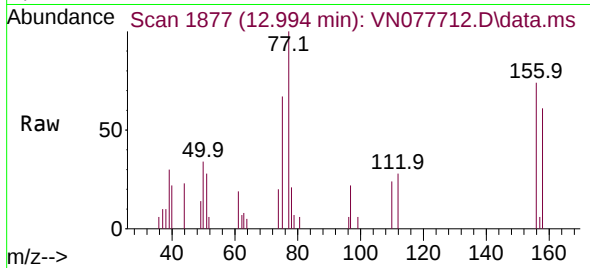
Tgt Ion: 75 Resp: 3178
Ion Ratio Lower Upper
75 100
77 249.1 84.5 253.5





#77
Bromobenzene
Concen: 0.804 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

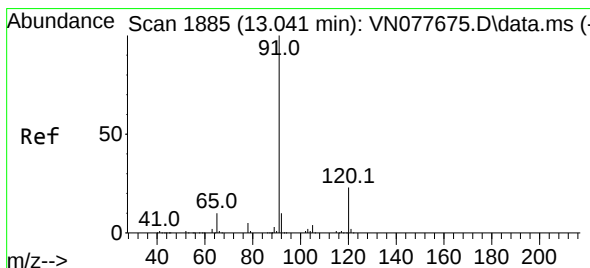
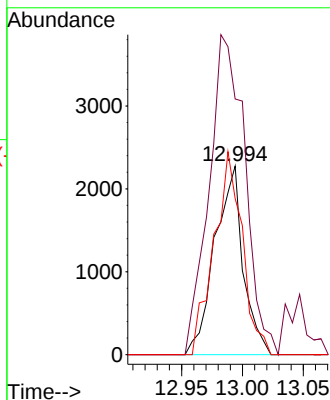
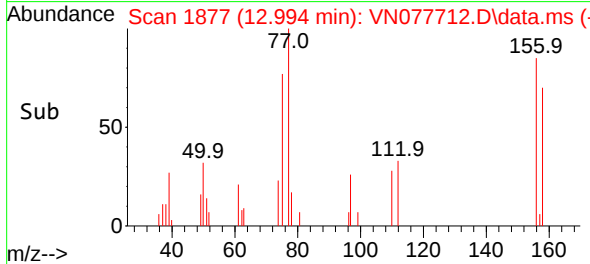
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:156 Resp: 3680
Ion Ratio Lower Upper
156 100
77 215.1 107.7 323.3
158 107.7 48.4 145.3

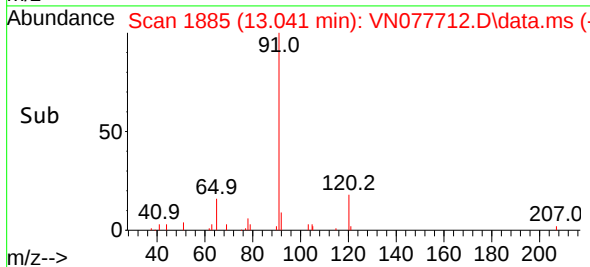
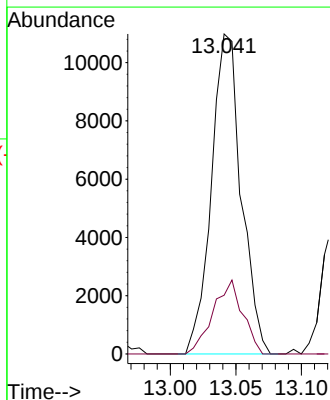
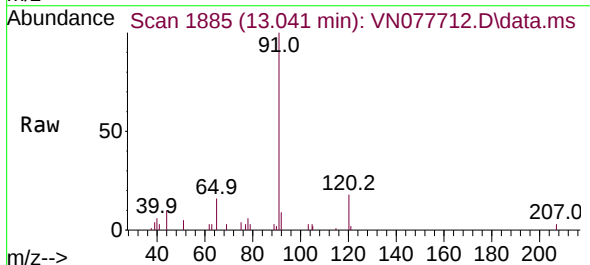
Manual Integrations
APPROVED

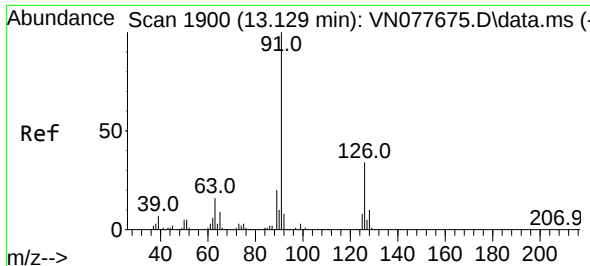
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#78
n-propylbenzene
Concen: 0.735 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion: 91 Resp: 17398
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.4





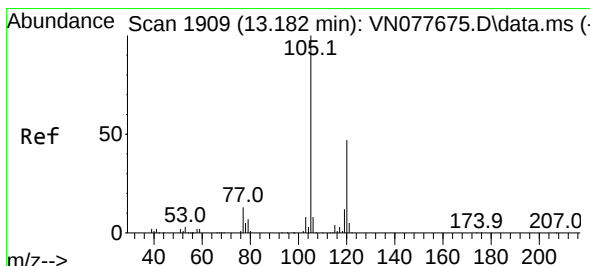
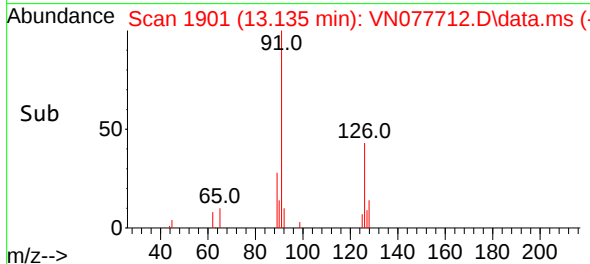
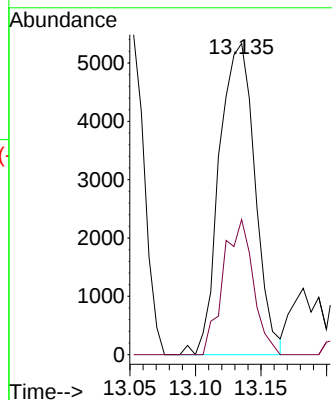
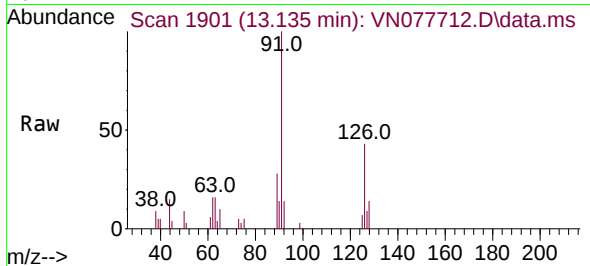
#79
2-Chlorotoluene
Concen: 0.716 ug/l
RT: 13.135 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

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

Tgt Ion: 91 Resp: 1010
Ion Ratio Lower Upper
91 100
126 36.6 16.3 48.8

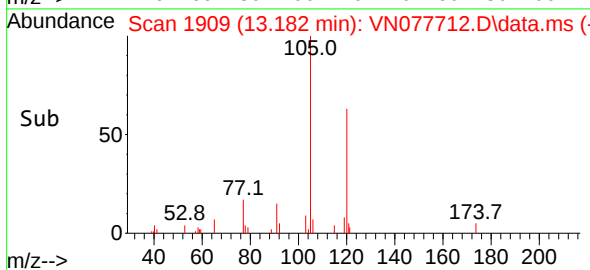
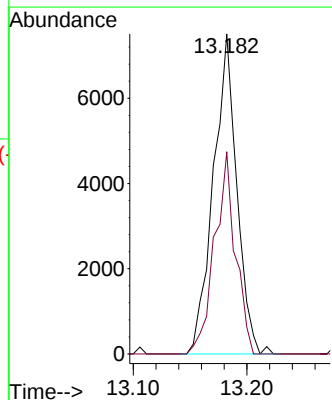
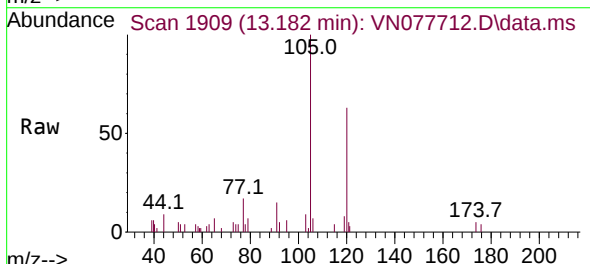
Manual Integrations
APPROVED

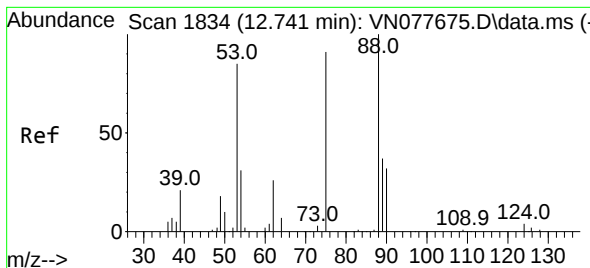
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.641 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion:105 Resp: 10809
Ion Ratio Lower Upper
105 100
120 55.9 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 0.459 ug/l m

RT: 12.729 min Scan# 1832

Delta R.T. -0.012 min

Lab File: VN077712.D

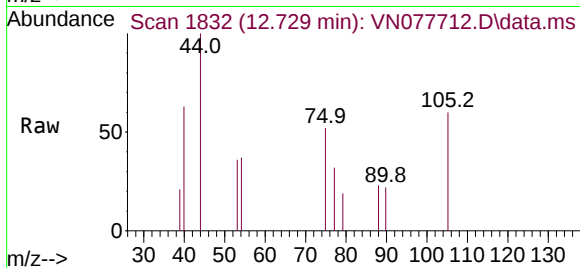
Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



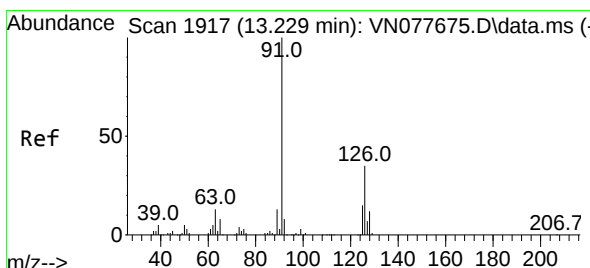
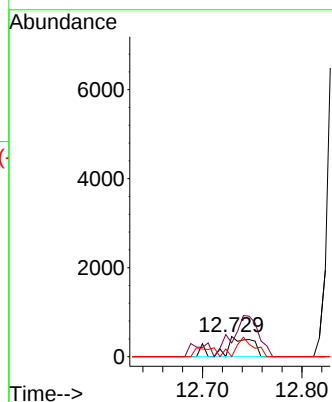
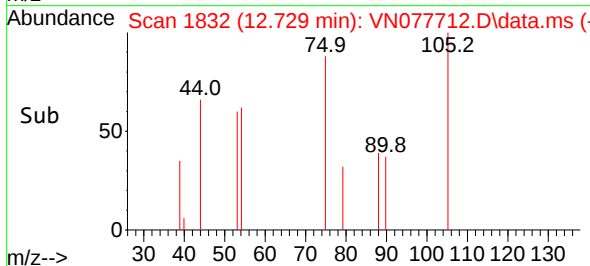
Tgt Ion:	75	Resp:	83
Ion Ratio	Lower	Upper	
75	100		
53	0.0	67.4	101.2
89	0.0	38.8	58.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#82

4-Chlorotoluene

Concen: 0.775 ug/l

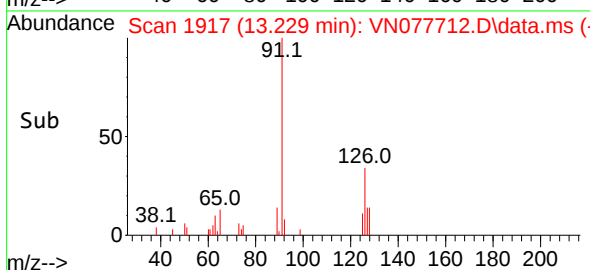
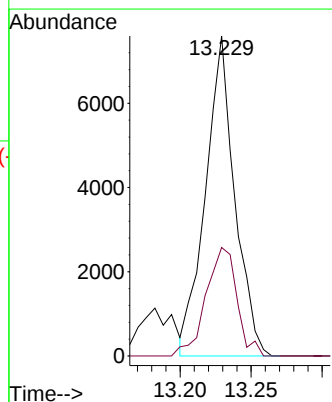
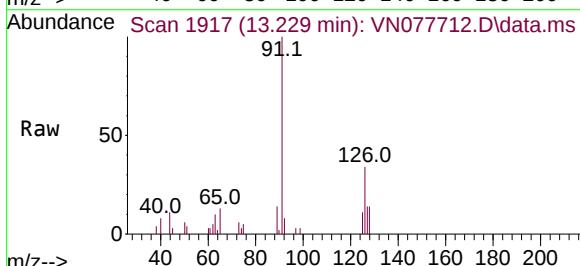
RT: 13.229 min Scan# 1917

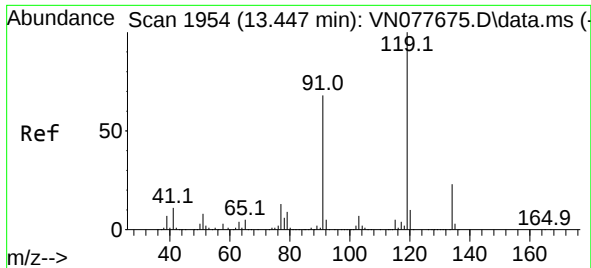
Delta R.T. 0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

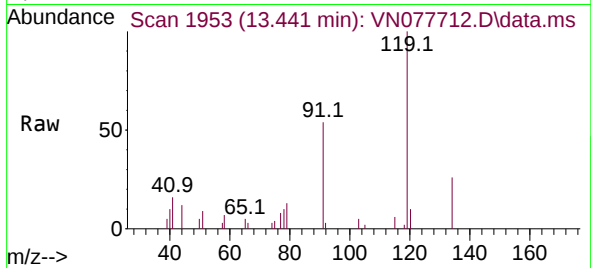
Tgt Ion:	91	Resp:	10880
Ion Ratio	Lower	Upper	
91	100		
126	35.8	16.7	50.0





#83
tert-Butylbenzene
Concen: 0.769 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

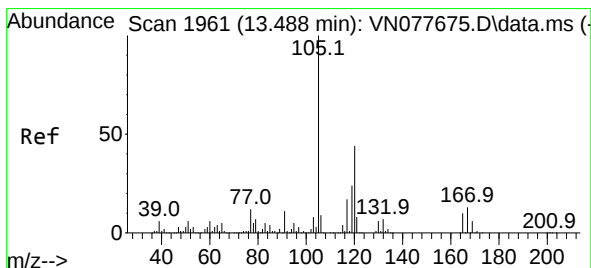
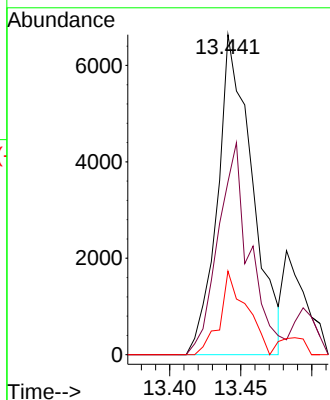
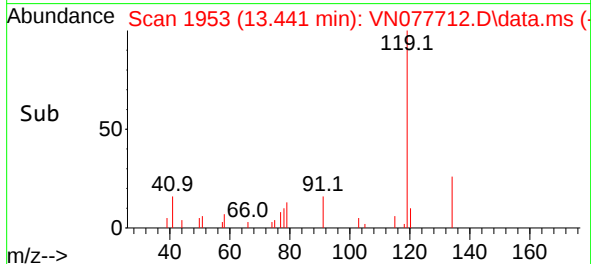
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



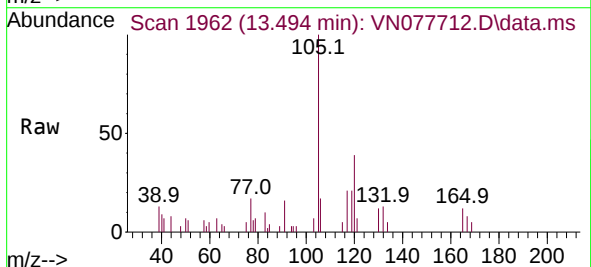
Tgt Ion:119 Resp: 1132
Ion Ratio Lower Upper
119 100
91 60.8 33.9 101.7
134 19.9 13.2 39.6

Manual Integrations
APPROVED

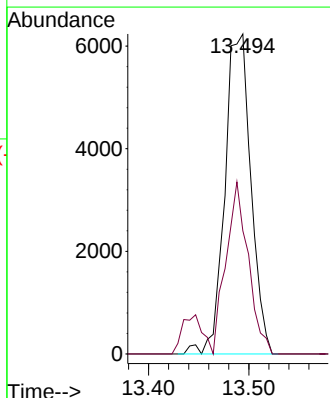
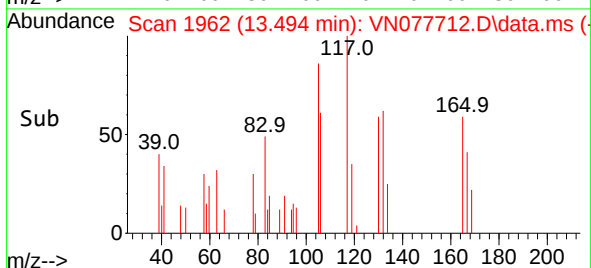
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

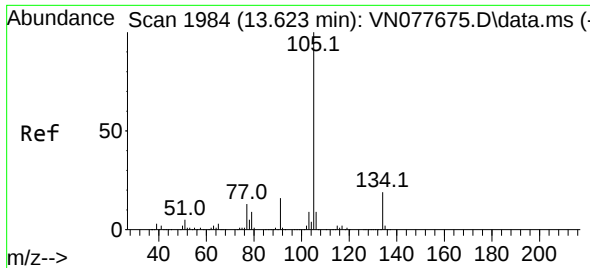


#84
1,2,4-Trimethylbenzene
Concen: 0.680 ug/l
RT: 13.494 min Scan# 1962
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32



Tgt Ion:105 Resp: 11274
Ion Ratio Lower Upper
105 100
120 45.9 22.0 66.0





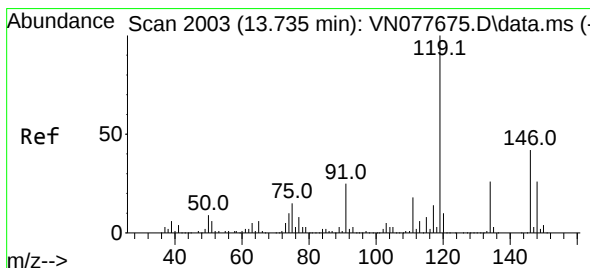
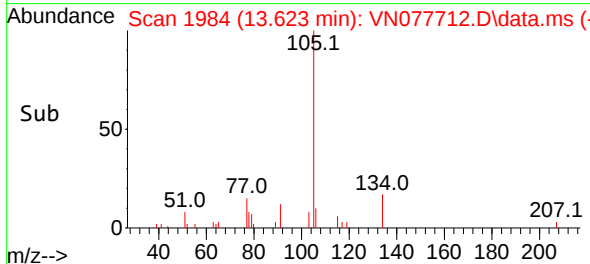
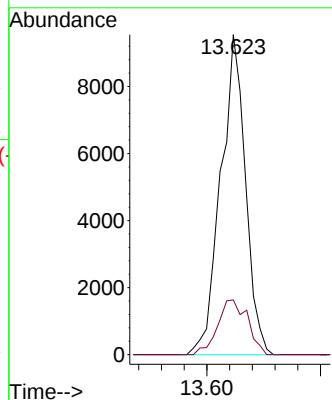
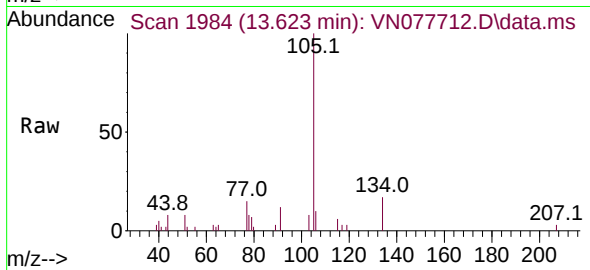
#85
 sec-Butylbenzene
 Concen: 0.689 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

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

Tgt Ion:105 Resp: 1442
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.3

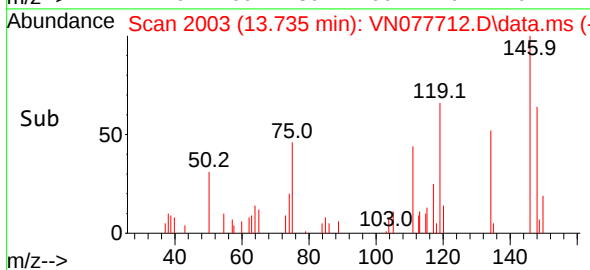
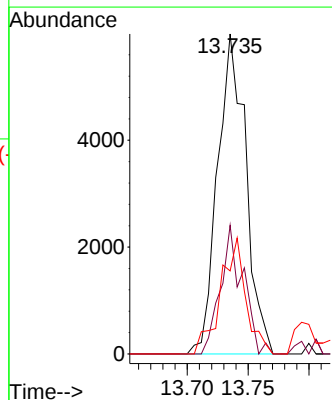
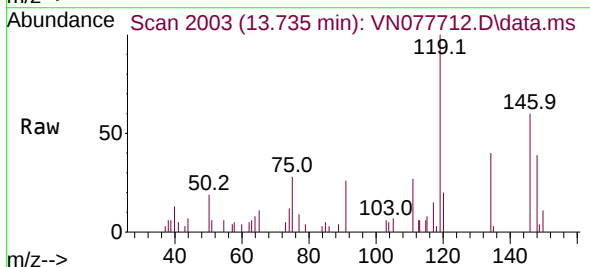
Manual Integrations
 APPROVED

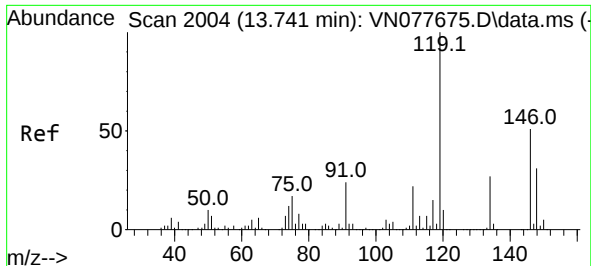
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#86
 p-Isopropyltoluene
 Concen: 0.579 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077712.D
 Acq: 17 May 2023 14:32

Tgt Ion:119 Resp: 9664
 Ion Ratio Lower Upper
 119 100
 134 32.2 12.6 37.8
 91 32.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.711 ug/l

RT: 13.735 min Scan# 2004

Delta R.T. -0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

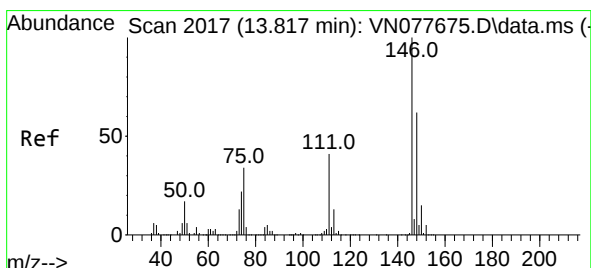
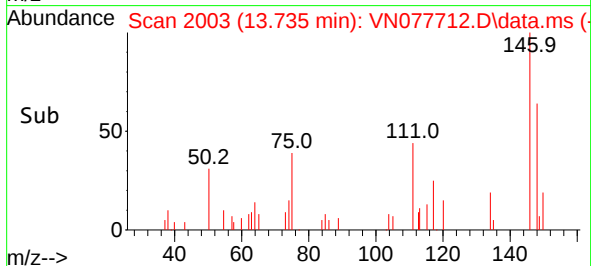
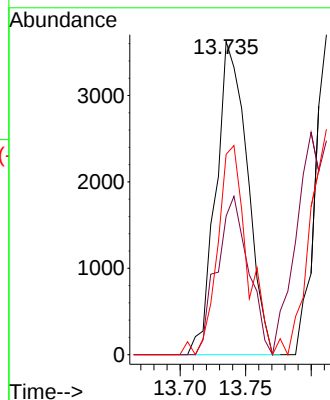
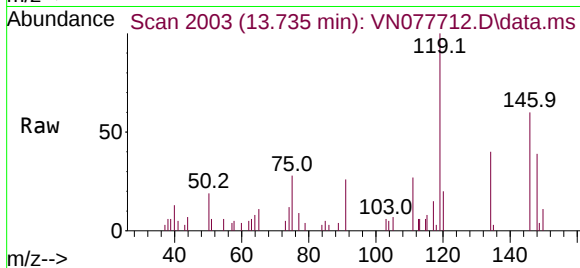
Tgt Ion:146	Resp:	602
Ion Ratio	Lower	Upper
146	100	
111	51.0	22.1 66.3
148	62.6	32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#88

1,4-Dichlorobenzene

Concen: 0.851 ug/l m

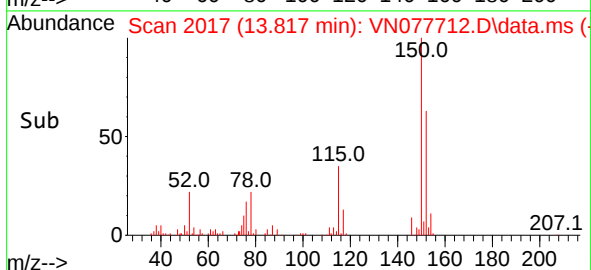
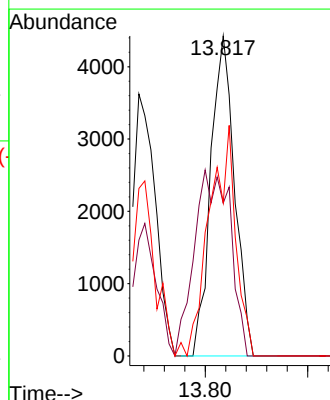
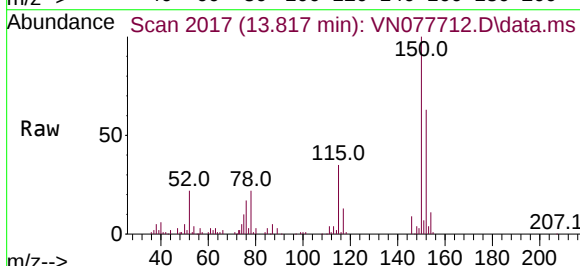
RT: 13.817 min Scan# 2017

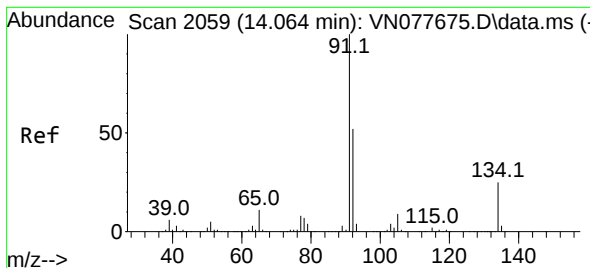
Delta R.T. 0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Tgt Ion:146	Resp:	7152
Ion Ratio	Lower	Upper
146	100	
111	42.9	20.6 61.8
148	52.7	31.6 94.8





#89

n-Butylbenzene

Concen: 0.668 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.001 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

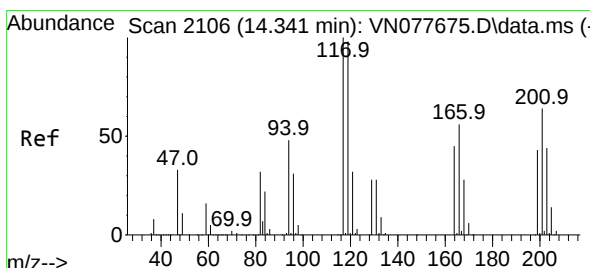
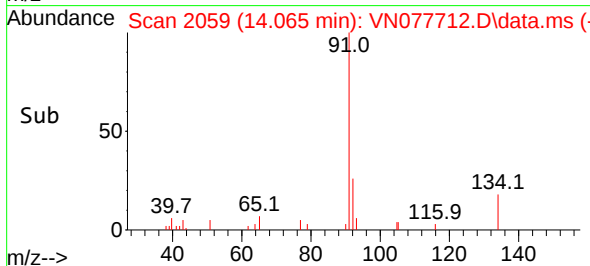
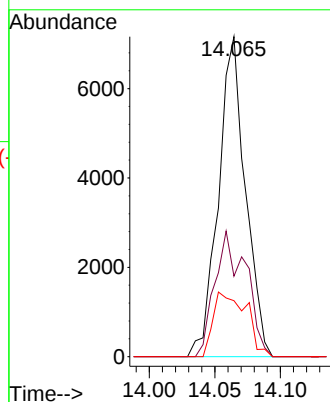
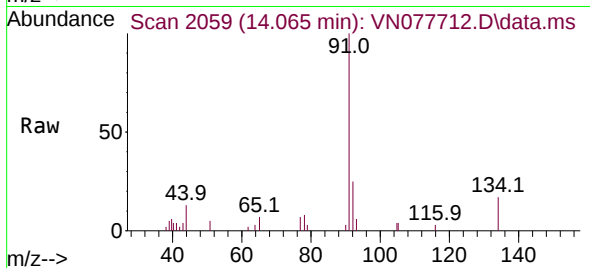
Tgt Ion: 91	Resp: 1025
Ion Ratio	Lower Upper
91 100	
92 45.4	26.4 79.0
134 24.7	12.6 37.6

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#90

Hexachloroethane

Concen: 0.718 ug/l

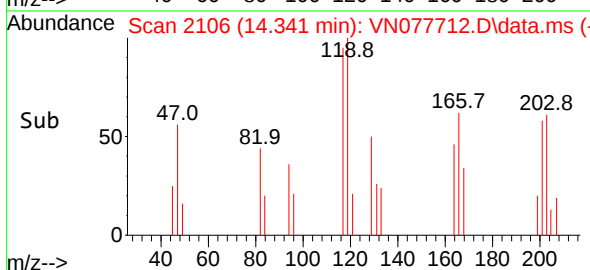
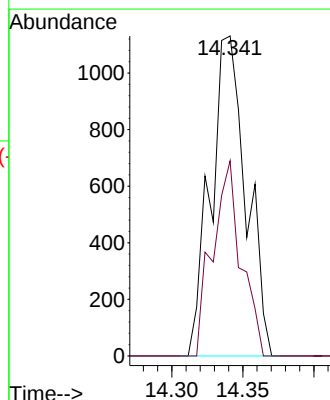
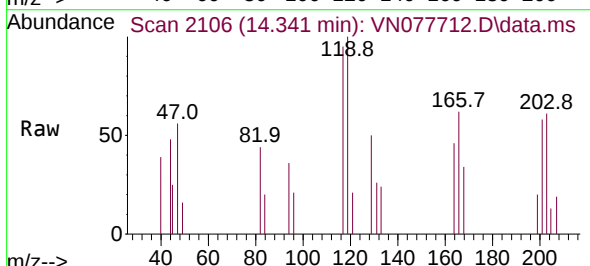
RT: 14.341 min Scan# 2106

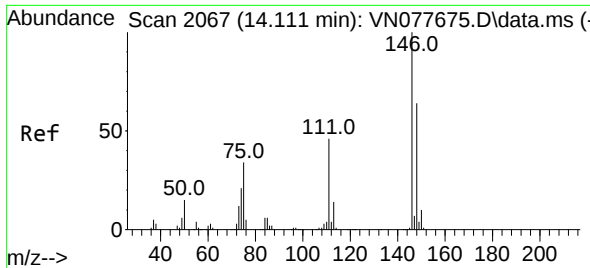
Delta R.T. -0.000 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Tgt Ion: 117	Resp: 1968
Ion Ratio	Lower Upper
117 100	
201 49.0	29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 0.804 ug/l

RT: 14.117 min Scan# 2067

Delta R.T. 0.006 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

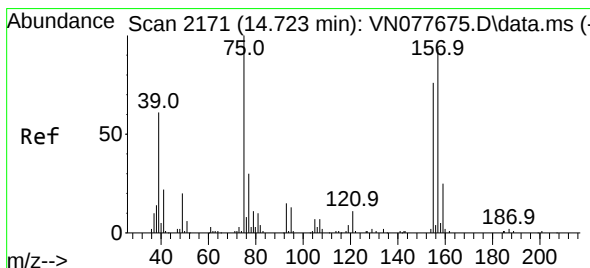
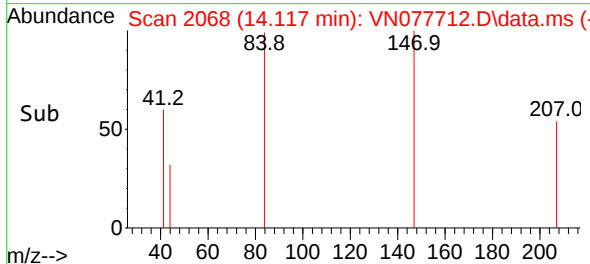
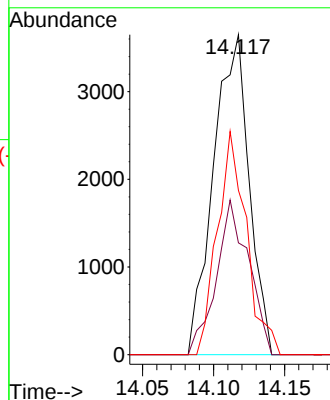
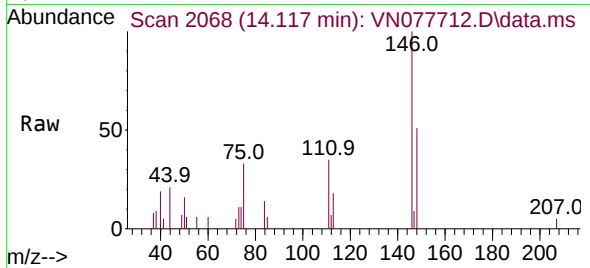
Tgt Ion:	146	Resp:	636
Ion Ratio	Lower	Upper	
146	100		
111	43.9	22.0	66.0
148	57.0	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.679 ug/l m

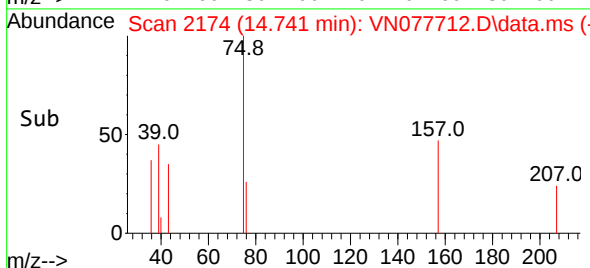
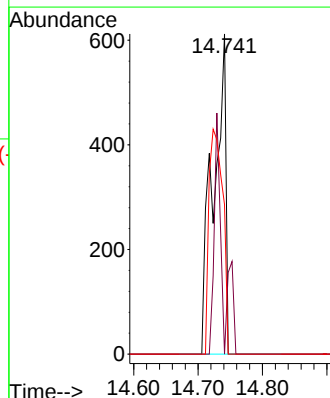
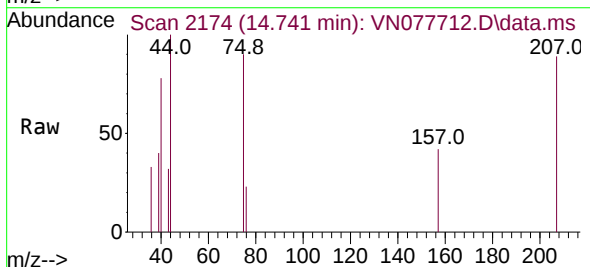
RT: 14.741 min Scan# 2174

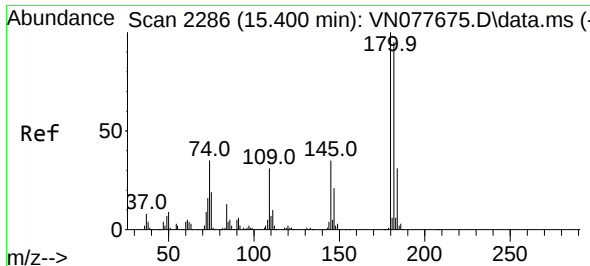
Delta R.T. 0.018 min

Lab File: VN077712.D

Acq: 17 May 2023 14:32

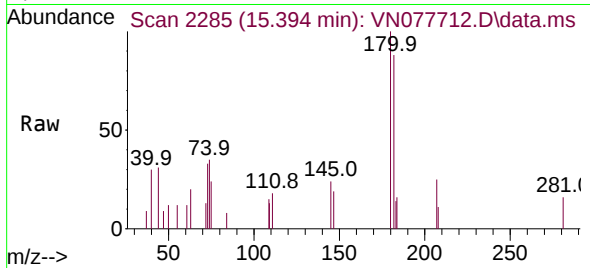
Tgt Ion:	75	Resp:	812
Ion Ratio	Lower	Upper	
75	100		
155	36.6	39.1	117.2#
157	78.8	50.3	150.9





#93
1,2,4-Trichlorobenzene
Concen: 0.680 ug/l
RT: 15.394 min Scan# 214
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

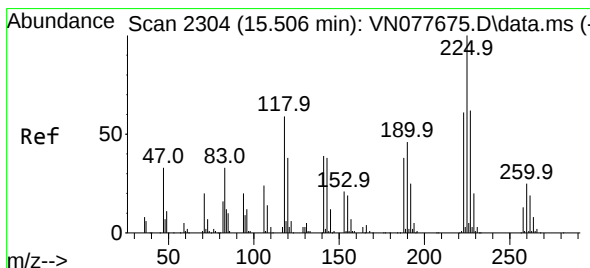
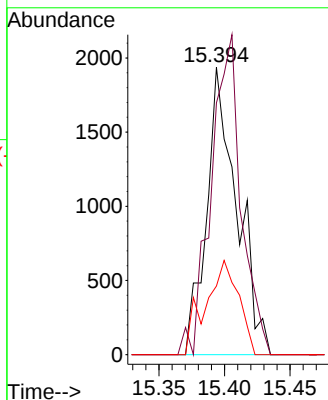
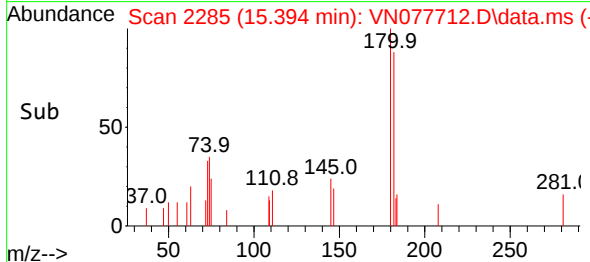
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



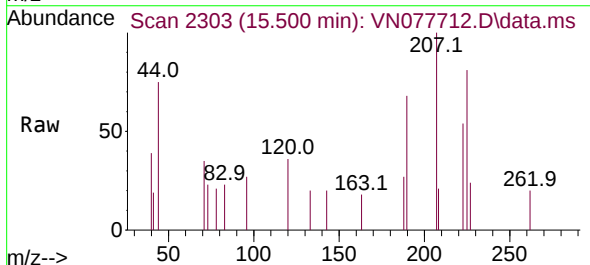
Tgt Ion:180 Resp: 314
Ion Ratio Lower Upper
180 100
182 109.3 46.1 138.2
145 35.4 16.6 49.8

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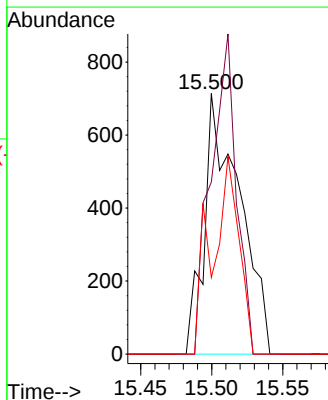
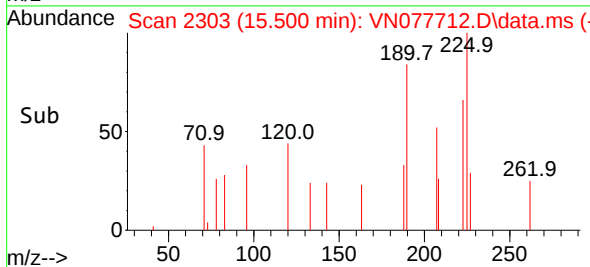
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

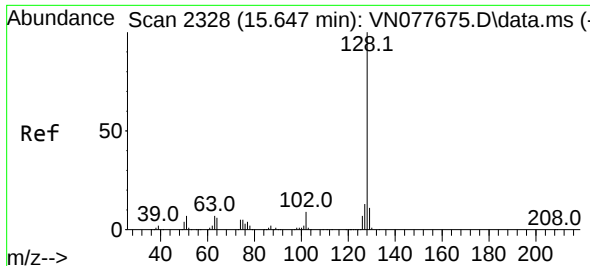


#94
Hexachlorobutadiene
Concen: 0.644 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32



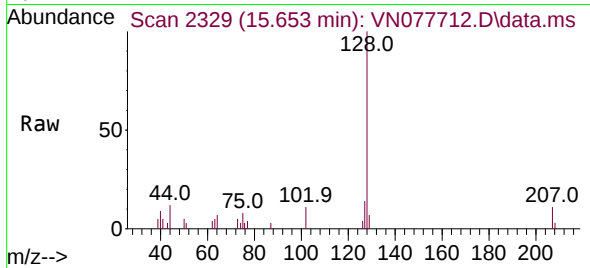
Tgt Ion:225 Resp: 1237
Ion Ratio Lower Upper
225 100
223 88.4 31.3 93.8
227 58.1 31.9 95.9





#95
Naphthalene
Concen: 0.689 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

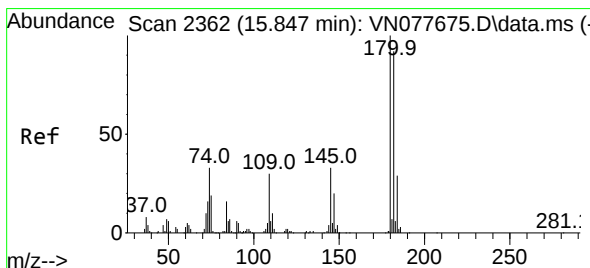
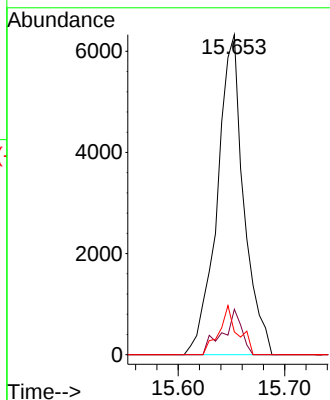
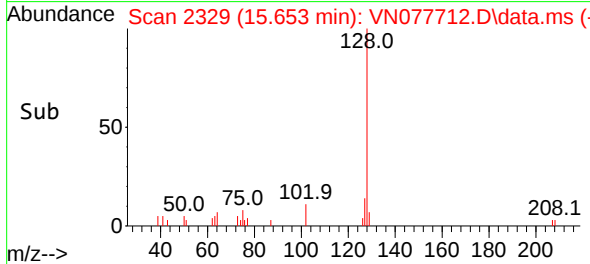
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:128 Resp: 1096
Ion Ratio Lower Upper
128 100
127 10.1 10.0 15.0
129 10.8 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: 0.742 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN077712.D
Acq: 17 May 2023 14:32

Tgt Ion:180 Resp: 3359
Ion Ratio Lower Upper
180 100
182 92.1 46.2 138.6
145 40.1 17.5 52.6

