

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077710.D
 Acq On : 17 May 2023 13:45
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 18 02:40:27 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	372925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	702108	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	593331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	296180	53.080	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.160%			
35) Dibromofluoromethane	8.171	113	236978	51.760	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	10.571	98	883006	50.107	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.220%			
62) 4-Bromofluorobenzene	12.853	95	280078	45.000	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	1631	0.384	ug/l	86
3) Chloromethane	2.365	50	3205	0.630	ug/l	96
4) Vinyl Chloride	2.512	62	2128	0.398	ug/l #	81
5) Bromomethane	2.971	94	2853	0.721	ug/l #	66
6) Chloroethane	3.112	64	1119	0.290	ug/l #	43
7) Trichlorofluoromethane	3.501	101	2767	0.371	ug/l	96
8) Diethyl Ether	3.971	74	671	0.246	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.371	101	1423	0.345	ug/l	88
10) Methyl Iodide	4.612	142	2534	0.515	ug/l #	82
11) Tert butyl alcohol	5.536	59	2034m	2.641	ug/l	
12) 1,1-Dichloroethene	4.353	96	1454	0.371	ug/l #	68
13) Acrolein	4.189	56	293m	0.535	ug/l	
14) Allyl chloride	5.030	41	2211	0.384	ug/l #	32
15) Acrylonitrile	5.742	53	3335m	1.621	ug/l	
16) Acetone	4.448	43	3323m	1.893	ug/l	
17) Carbon Disulfide	4.718	76	4499	0.426	ug/l #	80
18) Methyl Acetate	5.048	43	3741	0.508	ug/l #	61
19) Methyl tert-butyl Ether	5.806	73	4676m	0.329	ug/l	
20) Methylene Chloride	5.277	84	3418m	0.650	ug/l	
21) trans-1,2-Dichloroethene	5.800	96	1693	0.384	ug/l #	58
22) Diisopropyl ether	6.689	45	4103	0.304	ug/l #	80
23) Vinyl Acetate	6.618	43	13239	1.582	ug/l #	82
24) 1,1-Dichloroethane	6.577	63	2623	0.317	ug/l #	81
25) 2-Butanone	7.506	43	4806	1.750	ug/l #	70
26) 2,2-Dichloropropane	7.512	77	2471	0.352	ug/l #	53
27) cis-1,2-Dichloroethene	7.506	96	2091	0.396	ug/l	90
29) Tetrahydrofuran	7.847	42	2866	1.594	ug/l #	31
30) Chloroform	7.977	83	3808	0.418	ug/l #	64
31) Cyclohexane	8.236	56	11388	1.502	ug/l #	52
32) 1,1,1-Trichloroethane	8.177	97	2947	0.381	ug/l #	42
36) 1,1-Dichloropropene	8.371	75	2289m	0.342	ug/l	
37) Ethyl Acetate	7.577	43	2462m	0.412	ug/l	
38) Carbon Tetrachloride	8.377	117	2271	0.336	ug/l #	67
39) Methylcyclohexane	9.612	83	2751	0.336	ug/l #	79
40) Benzene	8.612	78	7144	0.362	ug/l	95
41) Methacrylonitrile	7.789	41	1006	0.316	ug/l #	74

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Manual Integrations APPROVED

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 Supervised By : Mahesh Dadoda 05/18/2023

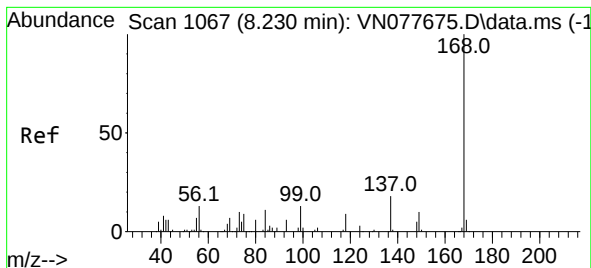
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.677	62	2979	0.415	ug/l #	73
43) Isopropyl Acetate	8.688	43	2684	0.275	ug/l	98
44) Trichloroethene	9.359	130	2173	0.434	ug/l	84
45) 1,2-Dichloropropane	9.630	63	1503	0.298	ug/l #	73
46) Dibromomethane	9.712	93	1366	0.379	ug/l	95
47) Bromodichloromethane	9.883	83	2605	0.377	ug/l #	76
48) Methyl methacrylate	9.683	41	1808	0.391	ug/l #	74
49) 1,4-Dioxane	9.712	88	568	6.506	ug/l #	56
51) 4-Methyl-2-Pentanone	10.447	43	8754	1.511	ug/l	96
52) Toluene	10.635	92	4461	0.363	ug/l	98
53) t-1,3-Dichloropropene	10.847	75	2115	0.289	ug/l #	70
54) cis-1,3-Dichloropropene	10.318	75	2297	0.285	ug/l #	79
55) 1,1,2-Trichloroethane	11.024	97	1771	0.363	ug/l #	77
56) Ethyl methacrylate	10.882	69	2585	0.350	ug/l	89
57) 1,3-Dichloropropane	11.171	76	2917	0.348	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	5043	1.388	ug/l	94
59) 2-Hexanone	11.200	43	6937	1.618	ug/l	92
60) Dibromochloromethane	11.359	129	1679	0.333	ug/l	86
61) 1,2-Dibromoethane	11.477	107	1609	0.330	ug/l	91
64) Tetrachloroethene	11.106	164	1676	0.404	ug/l #	50
65) Chlorobenzene	11.894	112	4720	0.367	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.971	131	1446	0.325	ug/l #	63
67) Ethyl Benzene	11.971	91	7753	0.336	ug/l #	87
68) m/p-Xylenes	12.076	106	4966	0.569	ug/l	79
69) o-Xylene	12.412	106	2899	0.338	ug/l	95
70) Styrene	12.418	104	4649	0.341	ug/l	93
71) Bromoform	12.594	173	644	0.218	ug/l #	59
73) Isopropylbenzene	12.706	105	7292	0.357	ug/l	96
74) N-amyl acetate	12.506	43	2790	0.369	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.947	83	2358	0.375	ug/l #	90
76) 1,2,3-Trichloropropane	13.000	75	2586m	0.436	ug/l	
77) Bromobenzene	12.988	156	2092	0.449	ug/l	93
78) n-propylbenzene	13.041	91	8280	0.344	ug/l	95
79) 2-Chlorotoluene	13.135	91	5326	0.370	ug/l	94
80) 1,3,5-Trimethylbenzene	13.182	105	5697	0.332	ug/l	97
82) 4-Chlorotoluene	13.229	91	6049	0.423	ug/l	97
83) tert-Butylbenzene	13.441	119	5265	0.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	5873	0.348	ug/l	100
85) sec-Butylbenzene	13.623	105	6049	0.284	ug/l	98
86) p-Isopropyltoluene	13.741	119	5201	0.306	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	3731	0.433	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	3622m	0.423	ug/l	
89) n-Butylbenzene	14.065	91	5678	0.363	ug/l	98
90) Hexachloroethane	14.335	117	730	0.262	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	3286	0.408	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.729	75	611	0.502	ug/l #	63
93) 1,2,4-Trichlorobenzene	15.406	180	2637	0.560	ug/l	83
94) Hexachlorobutadiene	15.512	225	444	0.227	ug/l #	35
95) Naphthalene	15.647	128	9082	0.560	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.847	180	2546	0.552	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

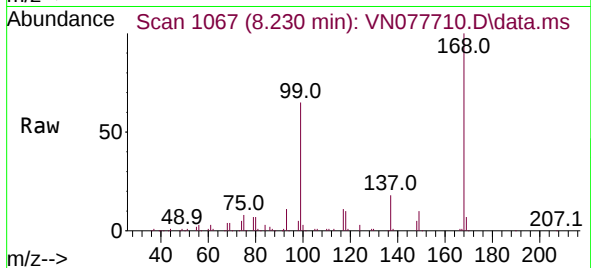
Manual Integrations
APPROVED

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

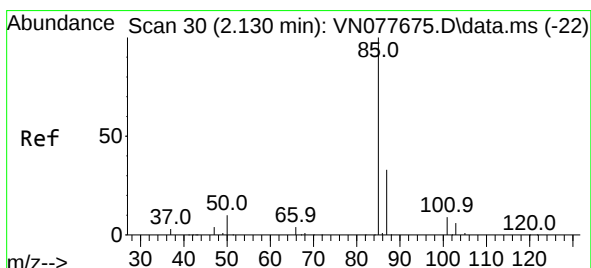
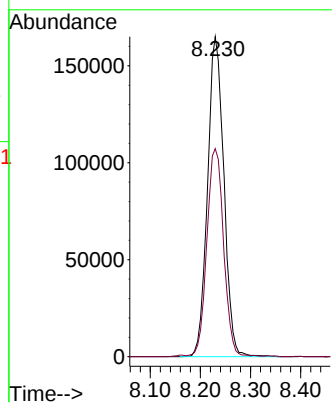
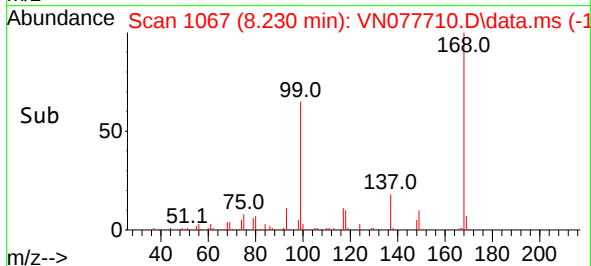
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:168 Resp: 372925
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6

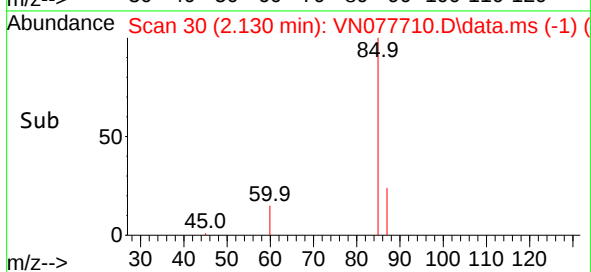
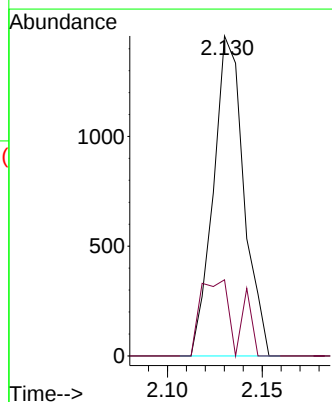
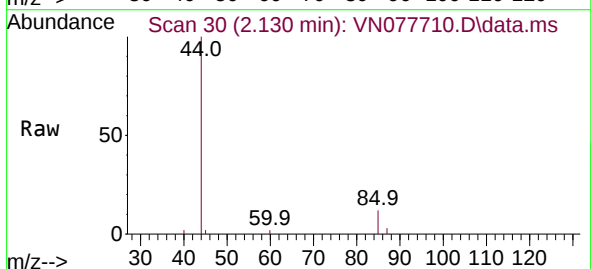
Manual Integrations
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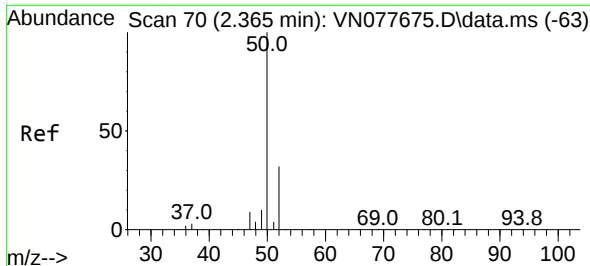
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#2
Dichlorodifluoromethane
Concen: 0.384 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

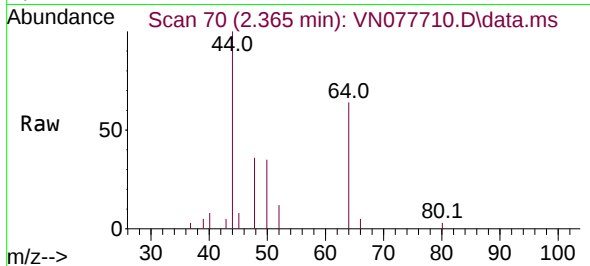
Tgt Ion: 85 Resp: 1631
Ion Ratio Lower Upper
85 100
87 23.8 15.8 47.4





#3
Chloromethane
Concen: 0.630 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

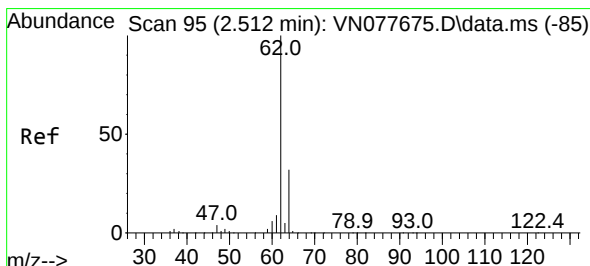
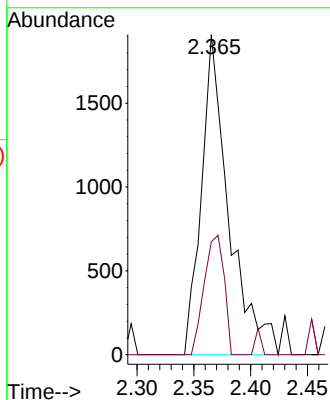
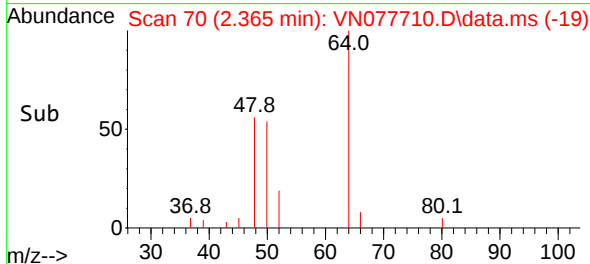
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 50 Resp: 320
Ion Ratio Lower Upper
50 100
52 35.3 26.5 39.7

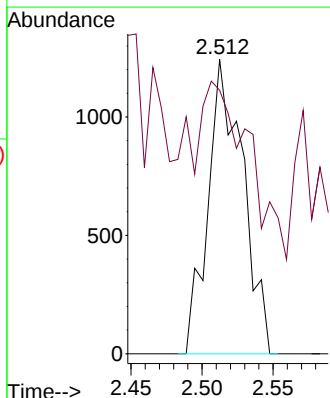
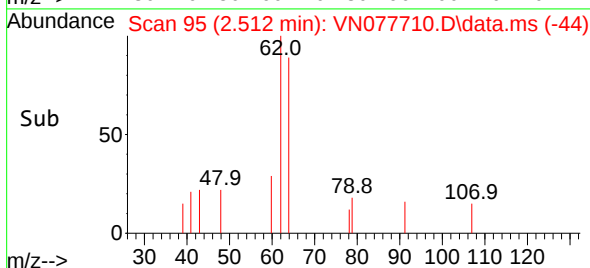
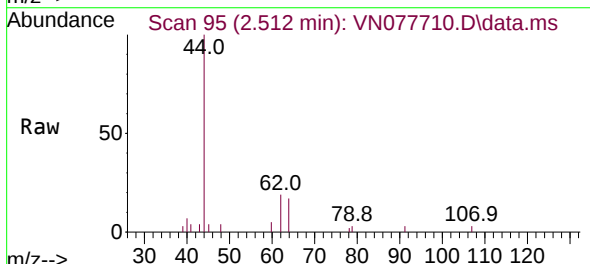
Manual Integrations
APPROVED

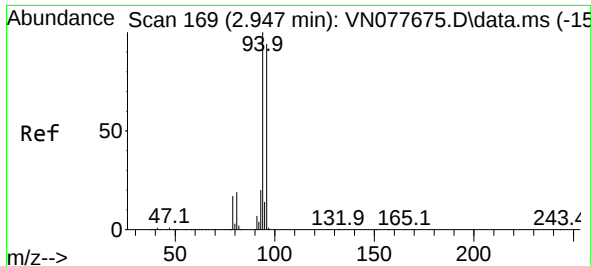
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#4
Vinyl Chloride
Concen: 0.398 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

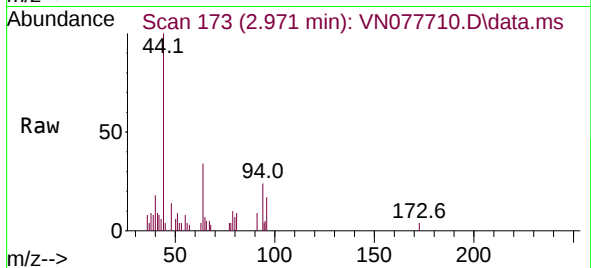
Tgt Ion: 62 Resp: 2128
Ion Ratio Lower Upper
62 100
64 43.4 26.2 39.2#





#5
Bromomethane
Concen: 0.721 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

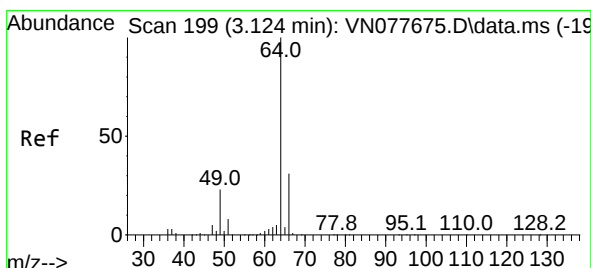
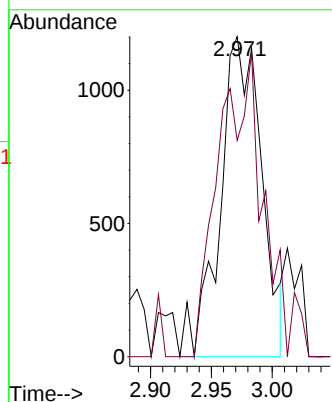
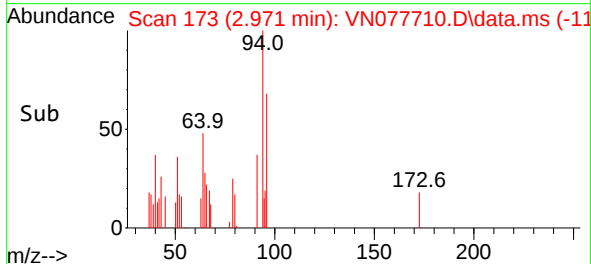
Instrument :
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ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 59.0 73.1 109.7

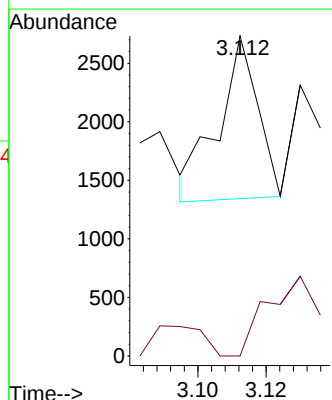
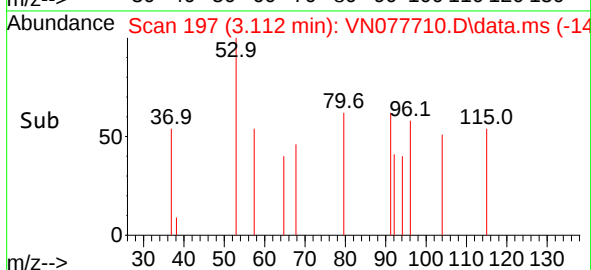
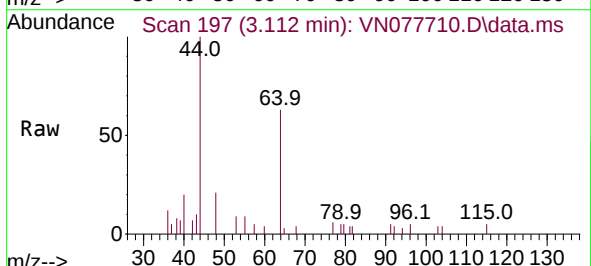
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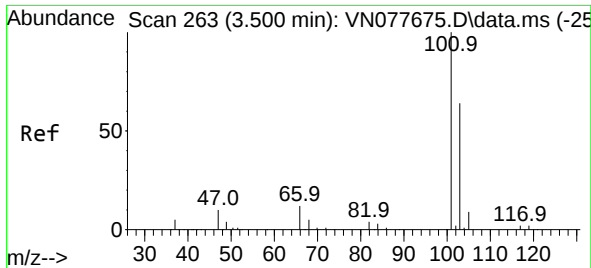
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#6
Chloroethane
Concen: 0.290 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

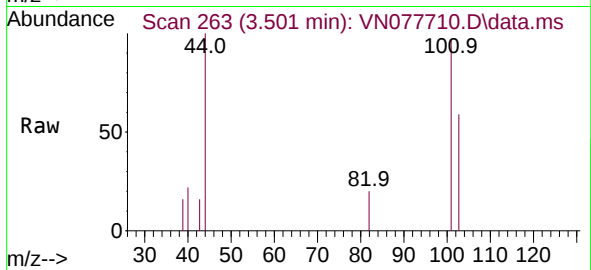
Tgt Ion: 64 Resp: 1119
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2





#7
Trichlorofluoromethane
Concen: 0.371 ug/l
RT: 3.501 min Scan# 20
Delta R.T. 0.001 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

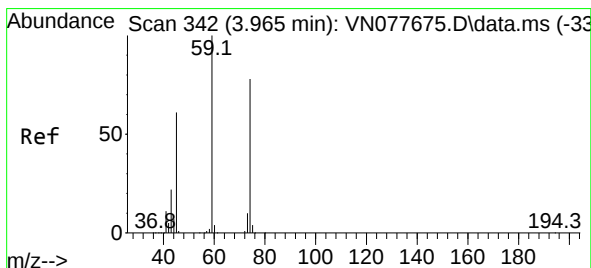
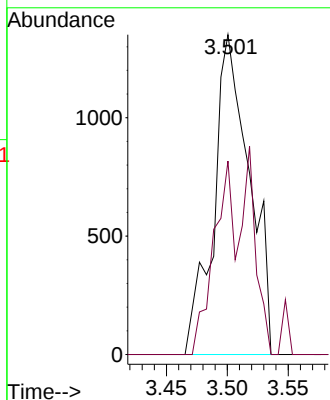
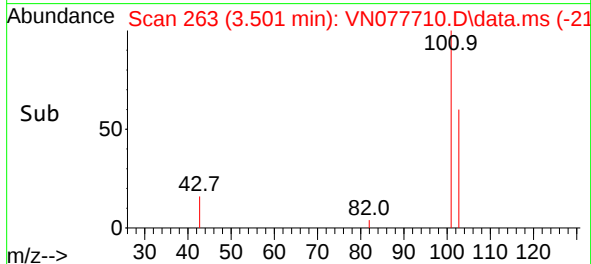
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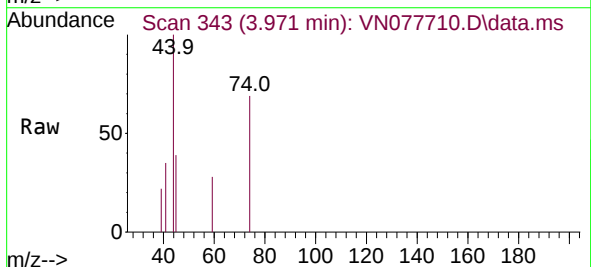
Tgt Ion:101 Resp: 276
Ion Ratio Lower Upper
101 100
103 60.5 50.7 76.1

Manual Integrations
APPROVED

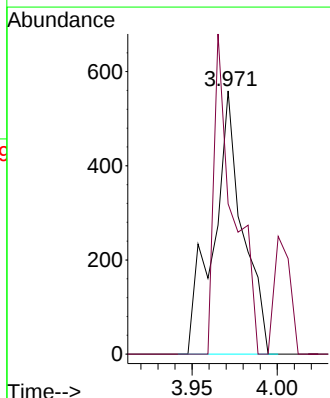
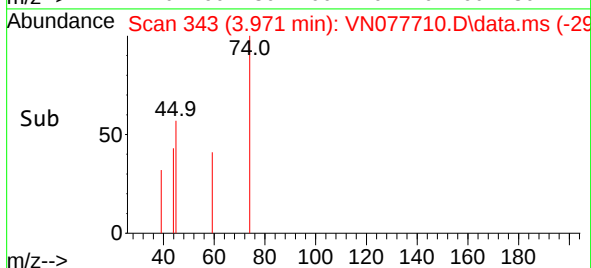
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

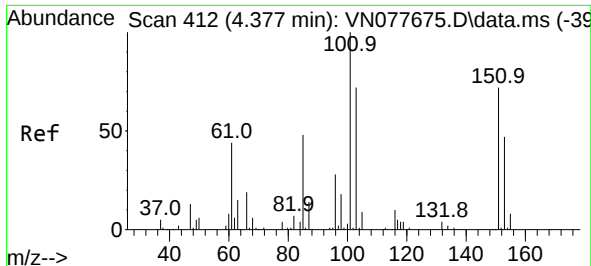


#8
Diethyl Ether
Concen: 0.246 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



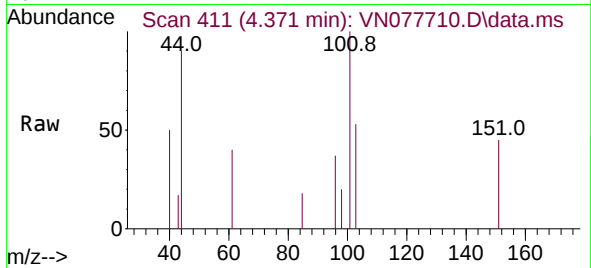
Tgt Ion: 74 Resp: 671
Ion Ratio Lower Upper
74 100
45 80.6 34.4 103.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.345 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

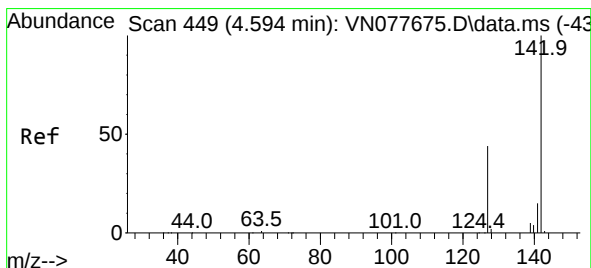
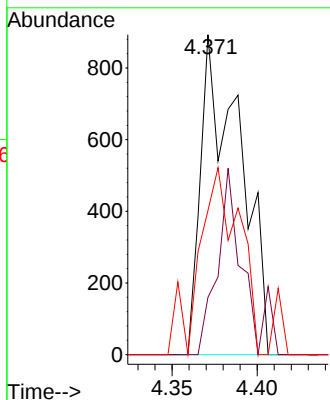
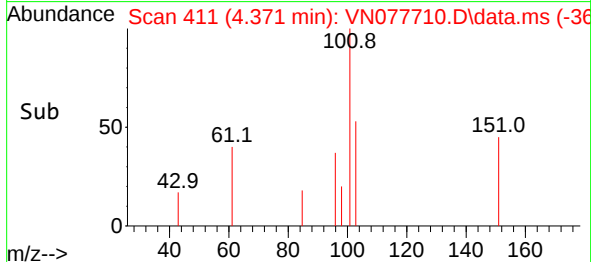
Instrument :
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MDL-WATER-03-QT2-2023



Tgt Ion:101 Resp: 142
Ion Ratio Lower Upper
101 100
85 38.8 36.6 55.0
151 60.8 57.6 86.4

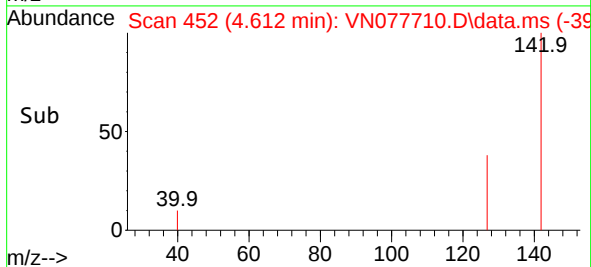
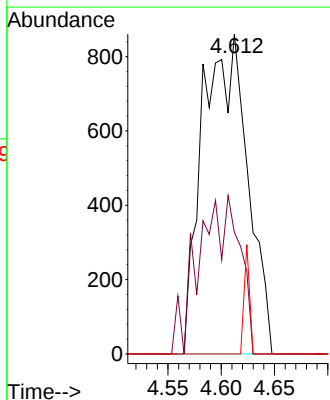
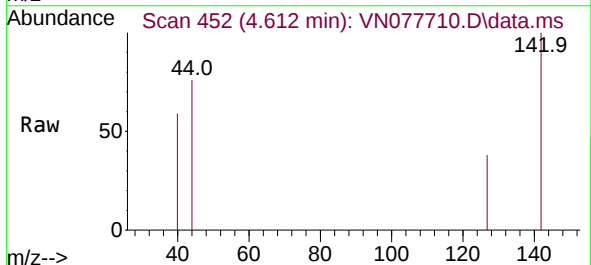
Manual Integrations
APPROVED

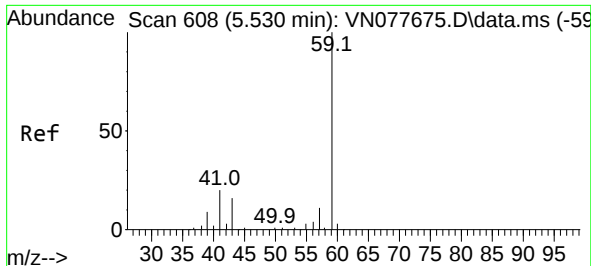
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#10
Methyl Iodide
Concen: 0.515 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.018 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion:142 Resp: 2534
Ion Ratio Lower Upper
142 100
127 38.0 37.6 56.4
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 2.641 ug/l m

RT: 5.536 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN077710.D

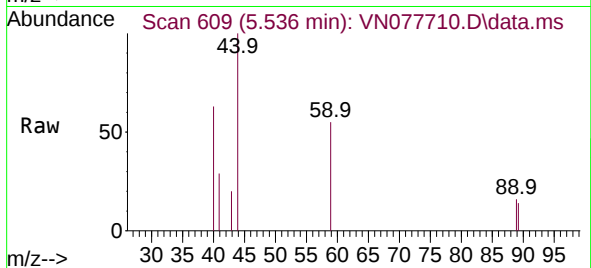
Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion: 59 Resp: 2034

Ion Ratio Lower Upper

59 100

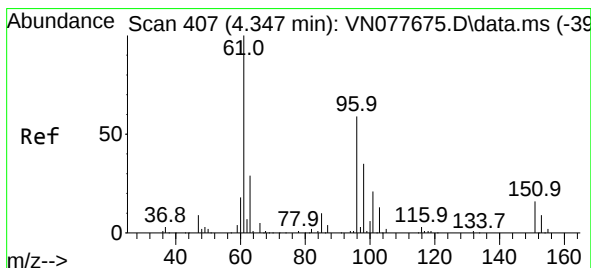
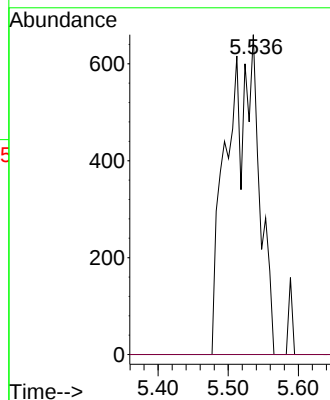
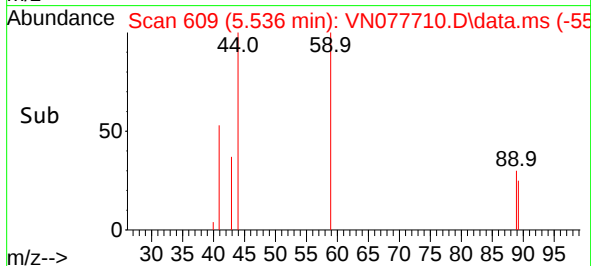
57 0.0 8.2 12.4

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#12

1,1-Dichloroethene

Concen: 0.371 ug/l

RT: 4.353 min Scan# 408

Delta R.T. 0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

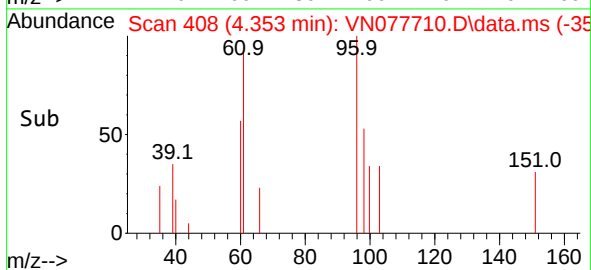
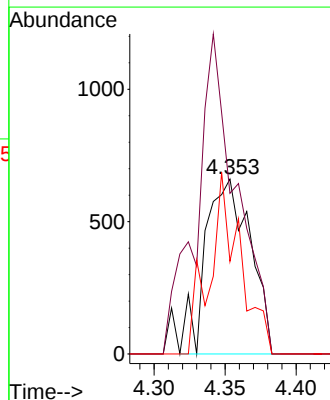
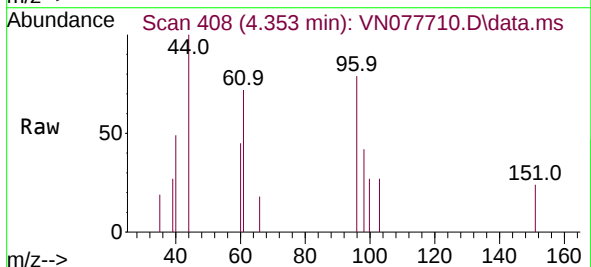
Tgt Ion: 96 Resp: 1454

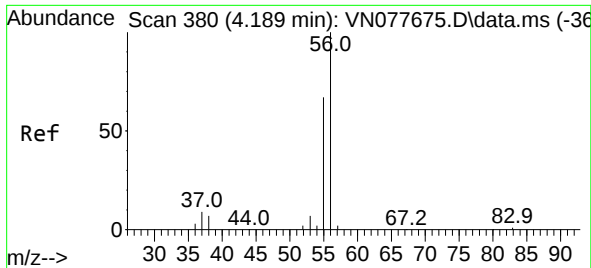
Ion Ratio Lower Upper

96 100

61 91.8 112.7 169.1

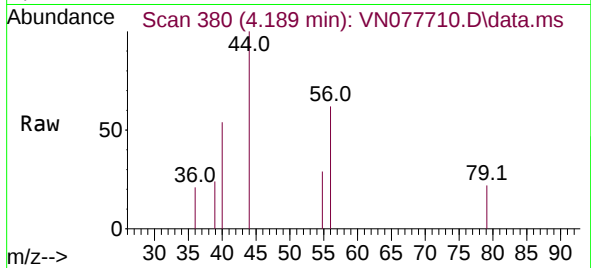
98 53.0 51.2 76.8





#13
Acrolein
Concen: 0.535 ug/l m
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

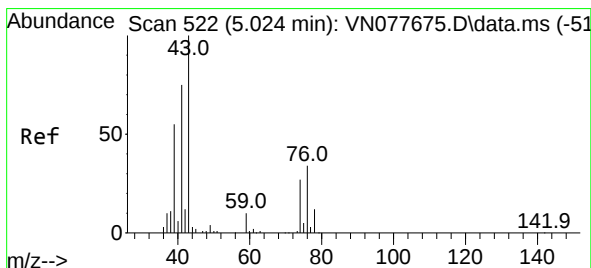
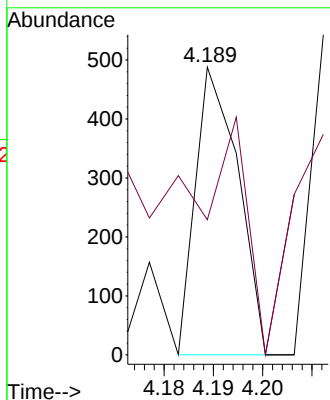
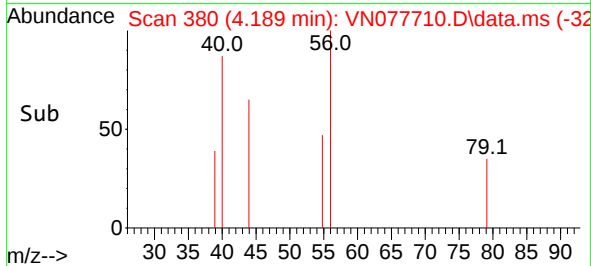
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

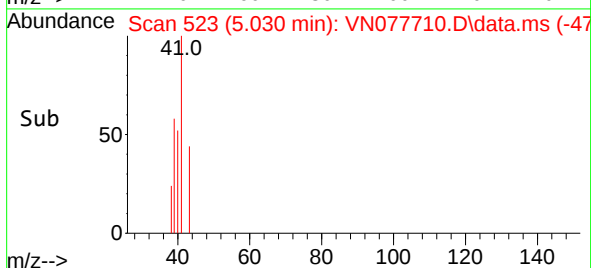
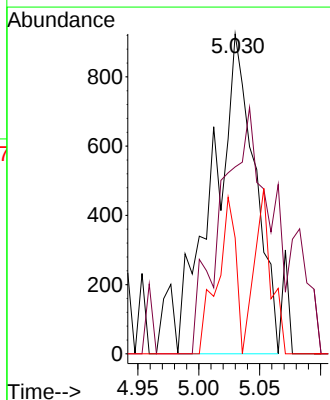
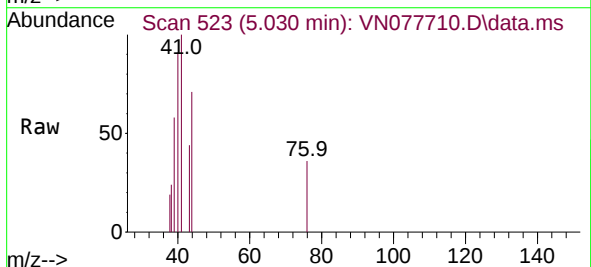
Manual Integrations
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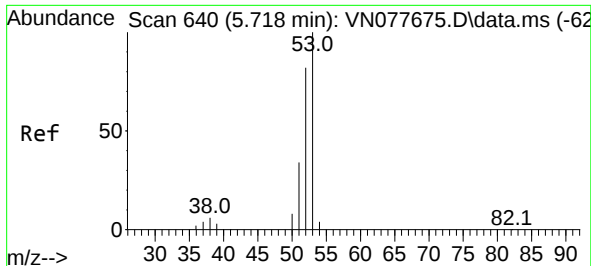
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#14
Allyl chloride
Concen: 0.384 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

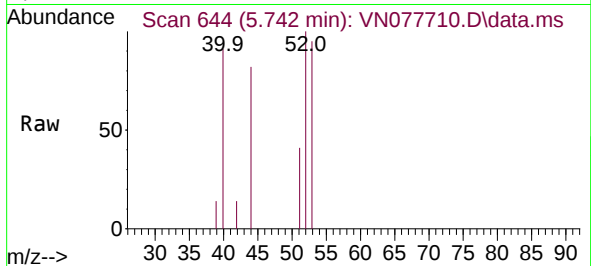
Tgt Ion: 41 Resp: 2211
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 21.8 39.1 58.7#





#15
Acrylonitrile
Concen: 1.621 ug/l m
RT: 5.742 min Scan# 640
Delta R.T. 0.024 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

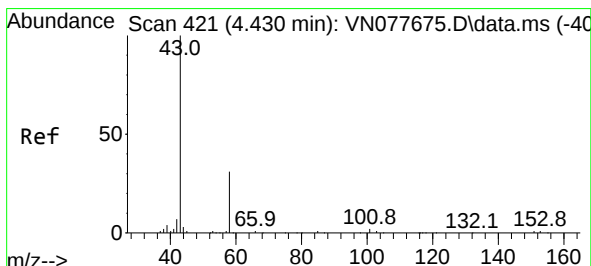
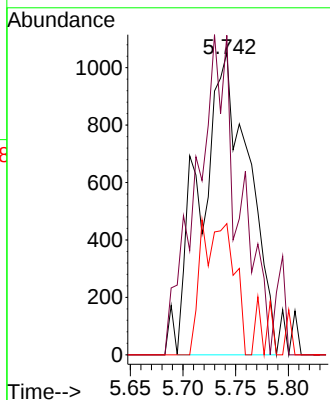
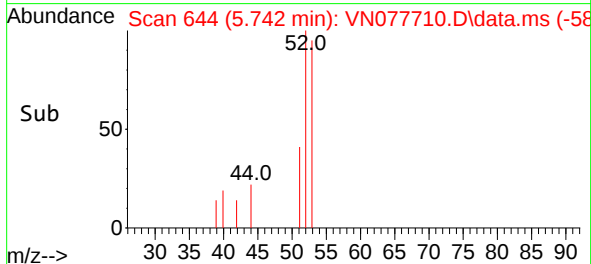
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 53 Resp: 3338
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9
51 30.0 28.9 43.3

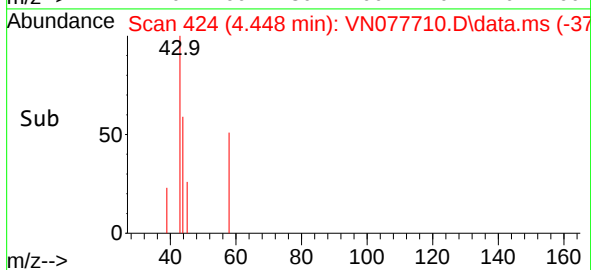
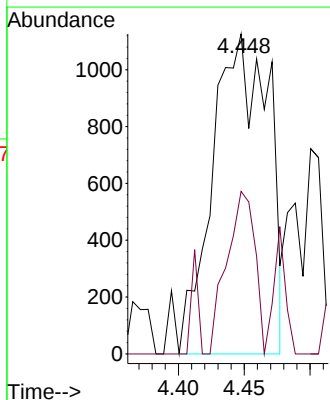
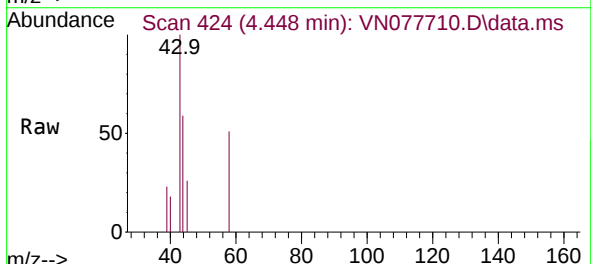
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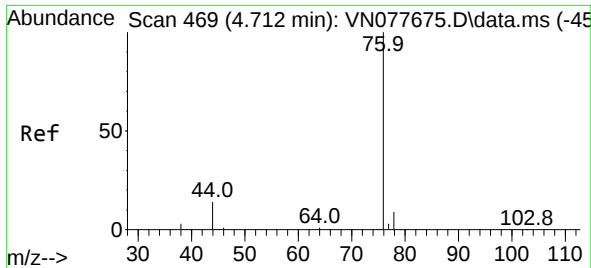
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#16
Acetone
Concen: 1.893 ug/l m
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

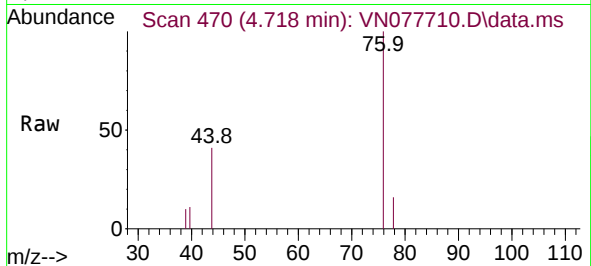
Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
58 50.8 28.0 42.0#





#17
Carbon Disulfide
Concen: 0.426 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

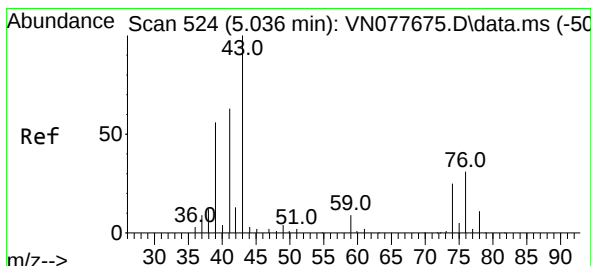
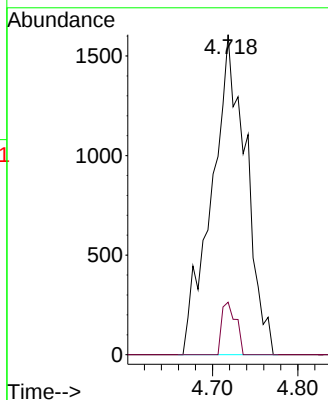
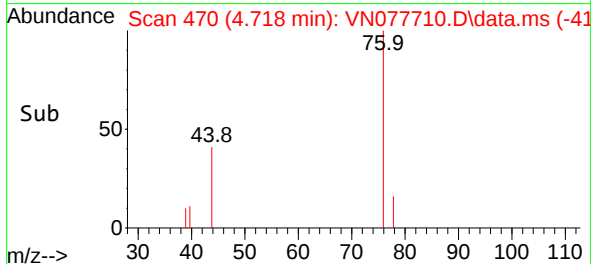
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 76 Resp: 4499
Ion Ratio Lower Upper
76 100
78 16.4 7.4 11.0

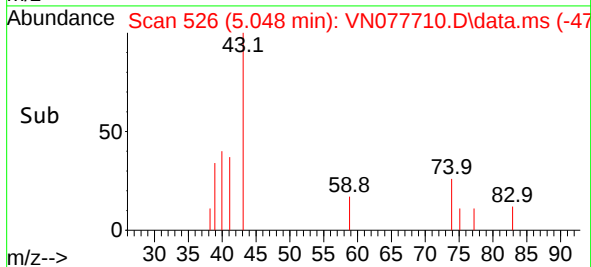
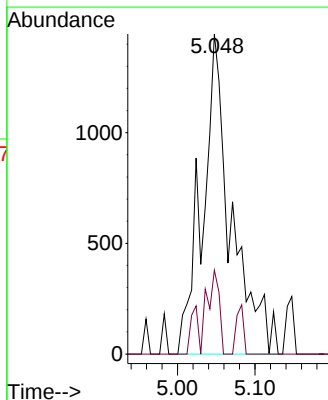
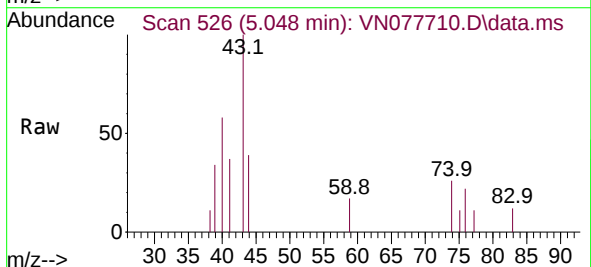
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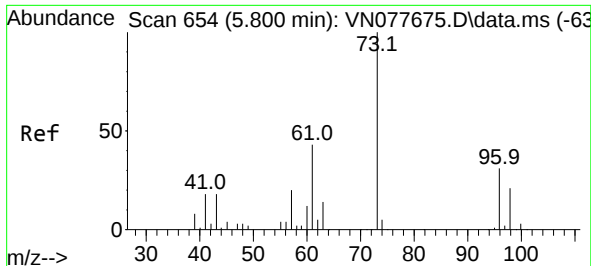
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#18
Methyl Acetate
Concen: 0.508 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion: 43 Resp: 3741
Ion Ratio Lower Upper
43 100
74 10.9 26.2 39.4





#19

Methyl tert-butyl Ether

Concen: 0.329 ug/l m

RT: 5.806 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN077710.D

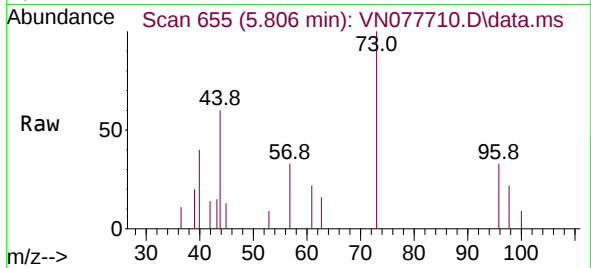
Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion: 73 Resp: 4670

Ion Ratio Lower Upper

73 100

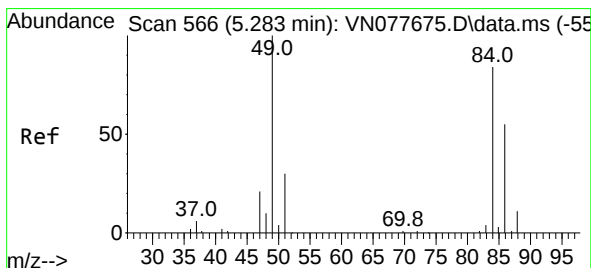
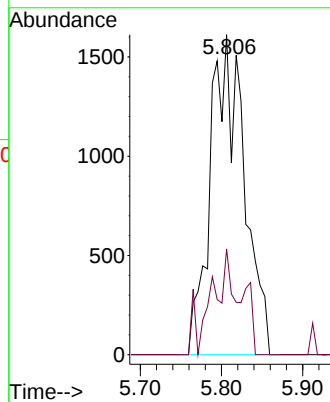
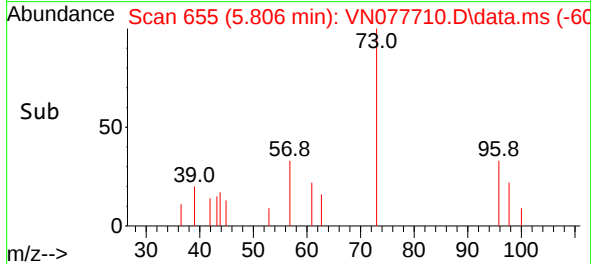
57 33.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#20

Methylene Chloride

Concen: 0.650 ug/l m

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Tgt Ion: 84 Resp: 3418

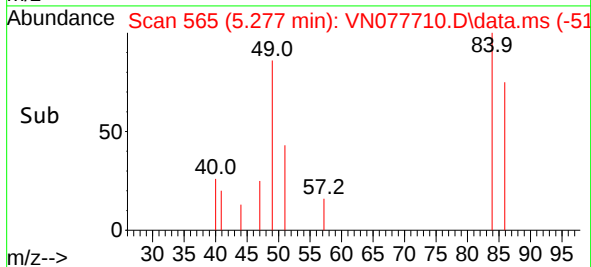
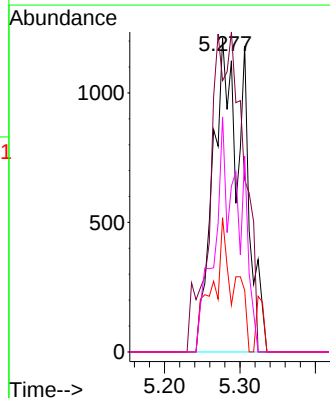
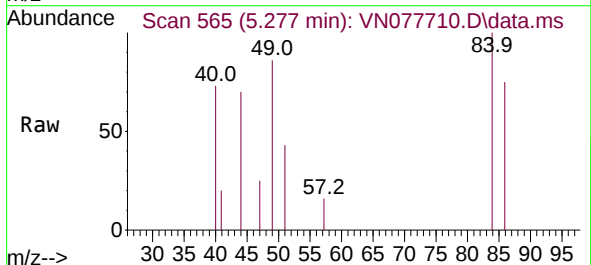
Ion Ratio Lower Upper

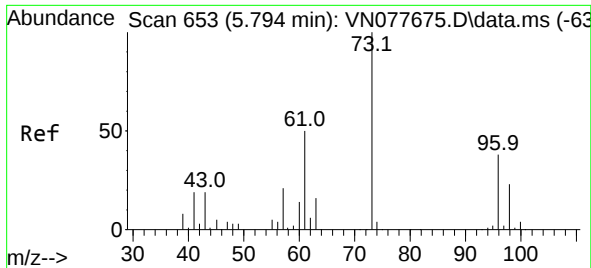
84 100

49 86.4 79.7 119.5

51 42.7 25.2 37.8

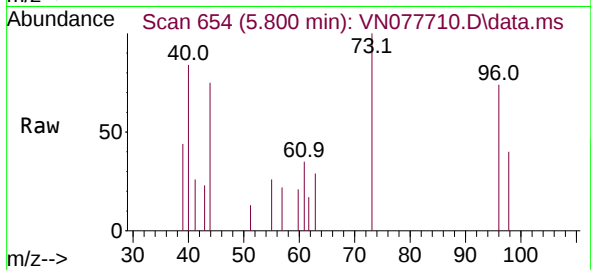
86 74.8 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 0.384 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

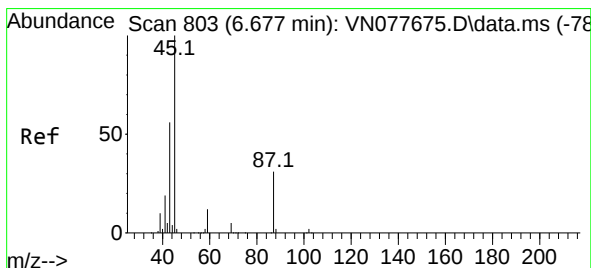
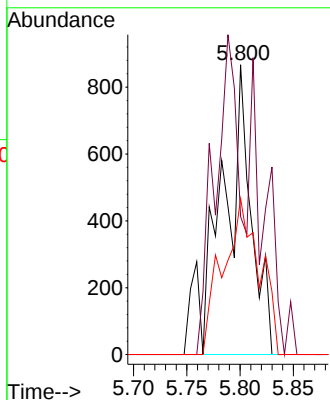
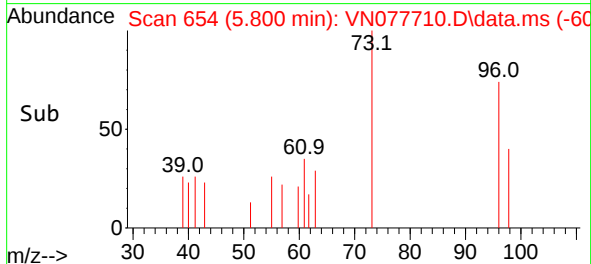
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 96 Resp: 169
Ion Ratio Lower Upper
96 100
61 47.6 90.1 135.1#
98 53.9 46.4 69.6

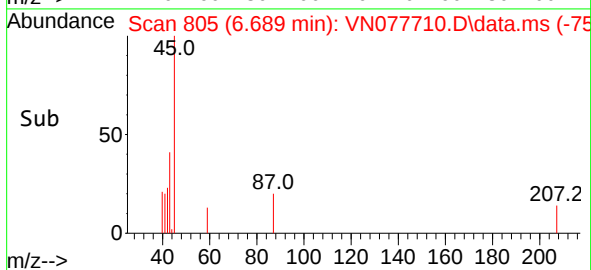
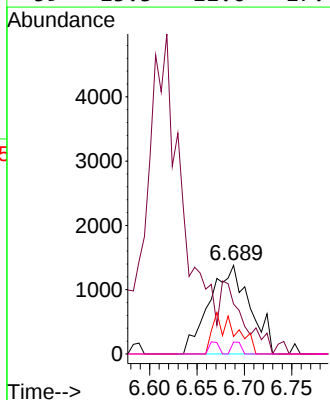
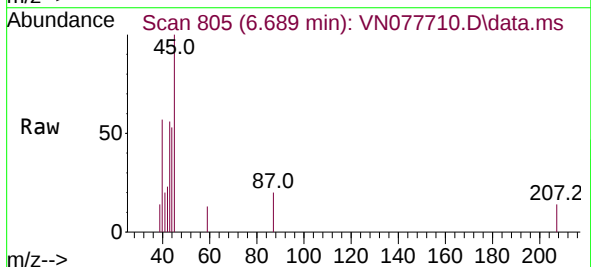
Manual Integrations
APPROVED

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



#22
Diisopropyl ether
Concen: 0.304 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.012 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

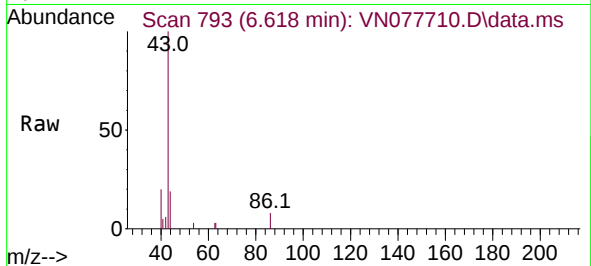
Tgt Ion: 45 Resp: 4103
Ion Ratio Lower Upper
45 100
43 45.3 45.5 68.3#
87 19.6 31.8 47.8#
59 13.3 11.6 17.4





#23
 Vinyl Acetate
 Concen: 1.582 ug/l
 RT: 6.618 min Scan# 791
 Delta R.T. 0.012 min
 Lab File: VN077710.D
 Acq: 17 May 2023 13:45

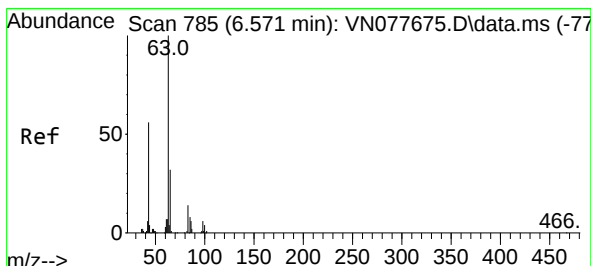
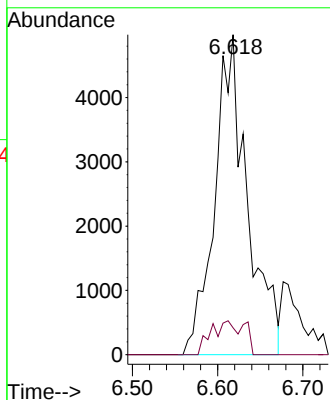
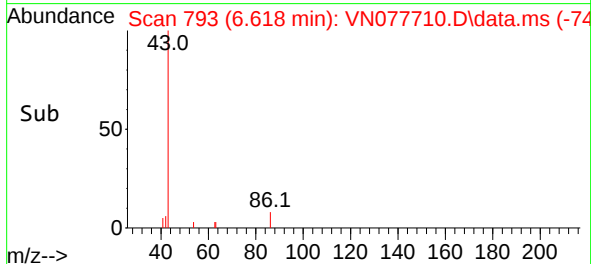
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 43 Resp: 13239
 Ion Ratio Lower Upper
 43 100
 86 8.4 13.0 19.6

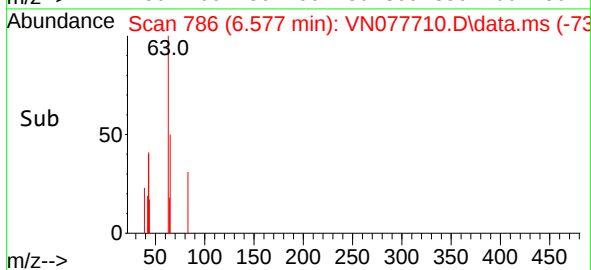
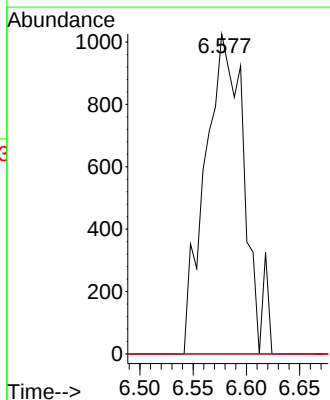
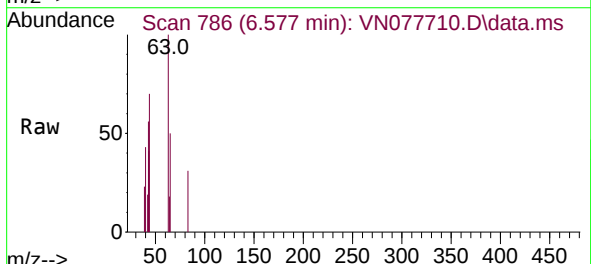
Manual Integrations
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Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#24
 1,1-Dichloroethane
 Concen: 0.317 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. 0.006 min
 Lab File: VN077710.D
 Acq: 17 May 2023 13:45

Tgt Ion: 63 Resp: 2623
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.5 7.4#





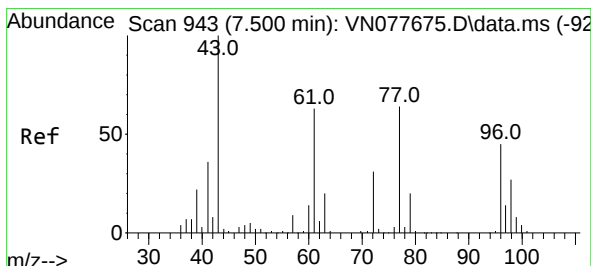
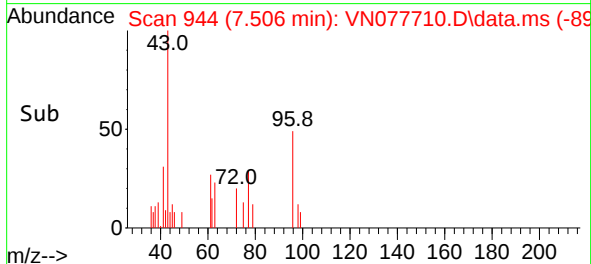
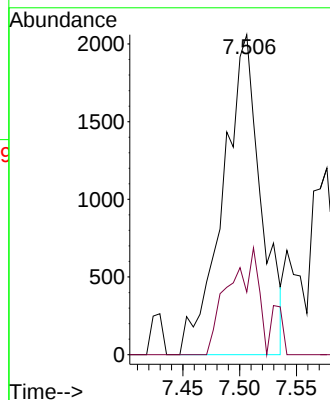
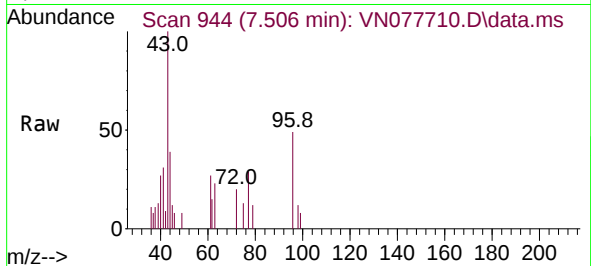
#25
2-Butanone
Concen: 1.750 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

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

Tgt Ion: 43 Resp: 4800
Ion Ratio Lower Upper
43 100
72 19.6 30.2 45.2

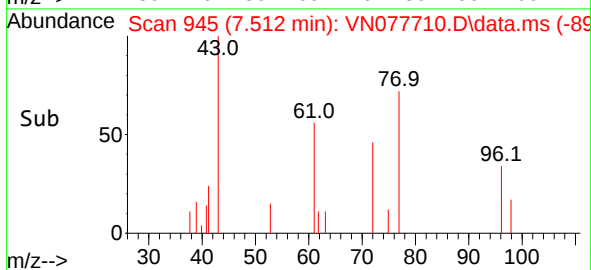
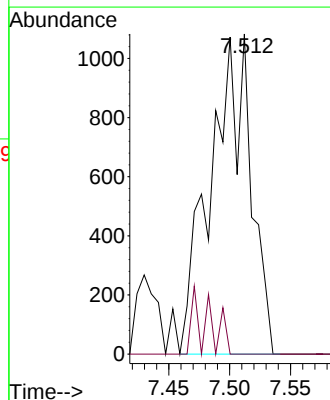
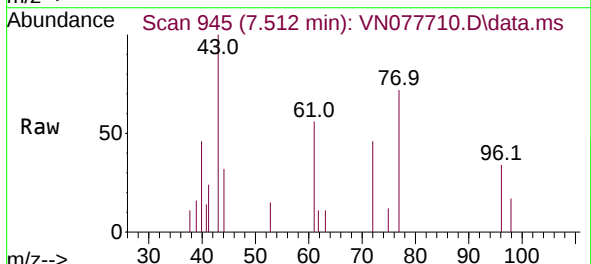
Manual Integrations
APPROVED

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



#26
2,2-Dichloropropane
Concen: 0.352 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.012 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

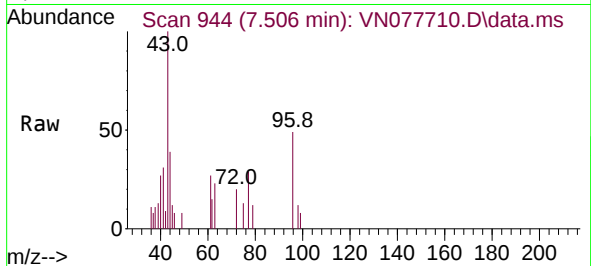
Tgt Ion: 77 Resp: 2471
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6





#27
cis-1,2-Dichloroethene
Concen: 0.396 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

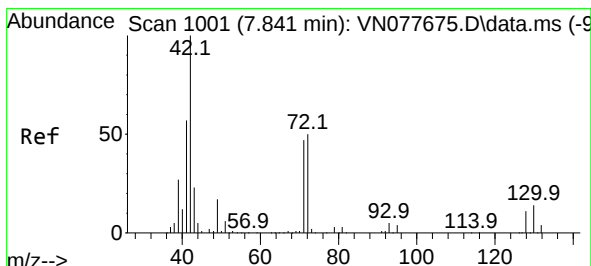
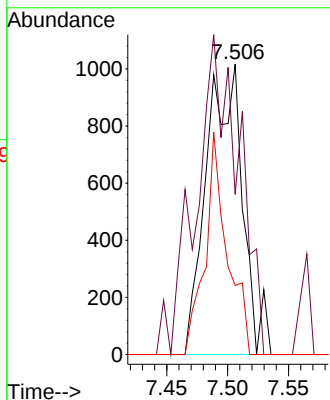
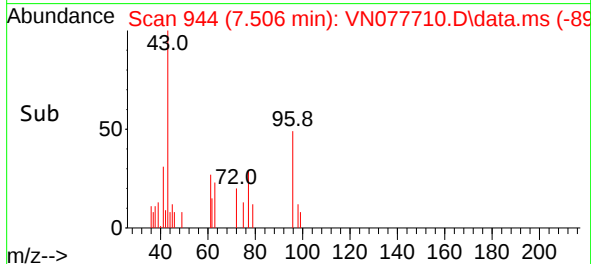
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 96 Resp: 2091
Ion Ratio Lower Upper
96 100
61 132.4 0.0 255.2
98 46.9 0.0 128.8

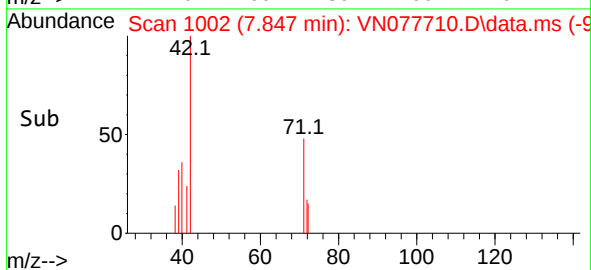
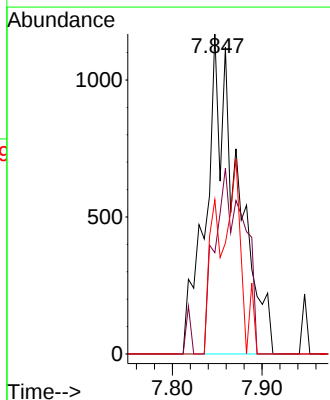
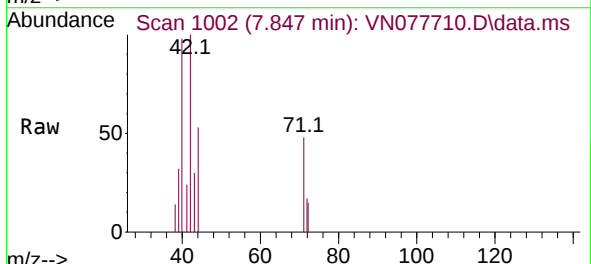
Manual Integrations
APPROVED

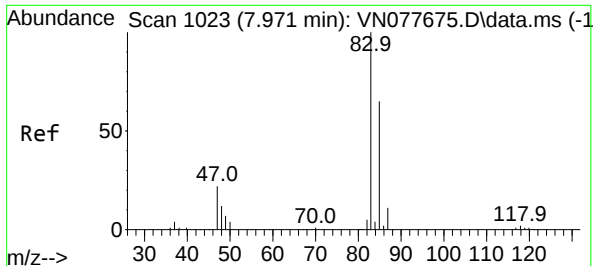
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#29
Tetrahydrofuran
Concen: 1.594 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion: 42 Resp: 2866
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 16.5 47.4 71.2#





#30

Chloroform

Concen: 0.418 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 83 Resp: 3808

Ion Ratio Lower Upper

83 100

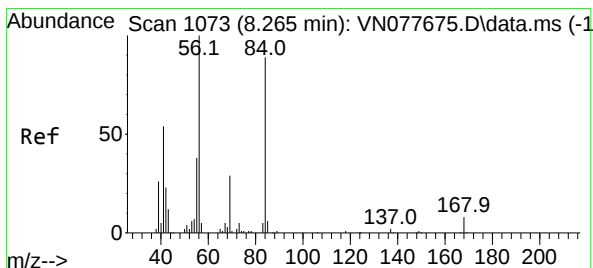
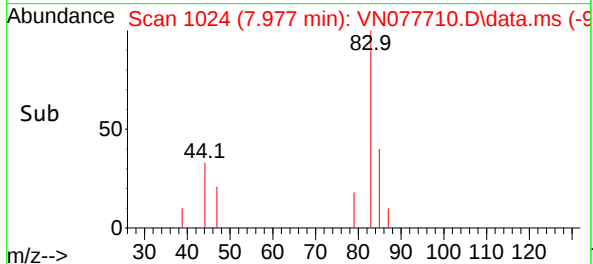
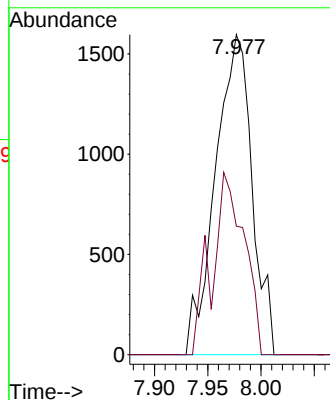
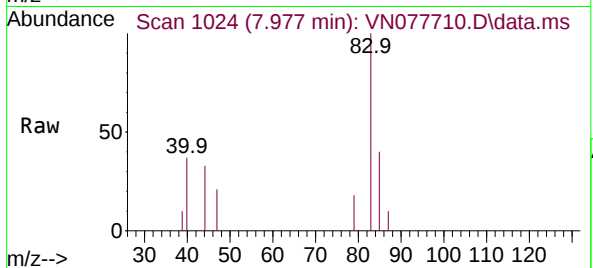
85 40.2 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#31

Cyclohexane

Concen: 1.502 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

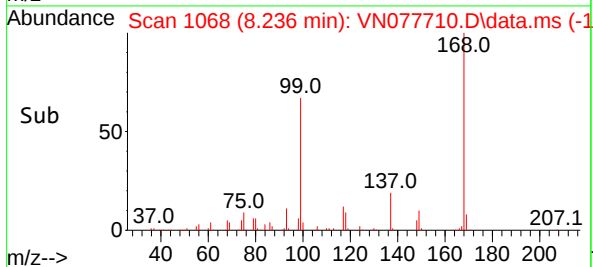
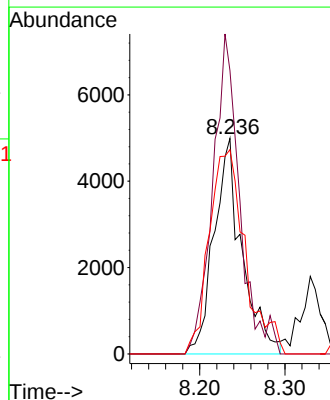
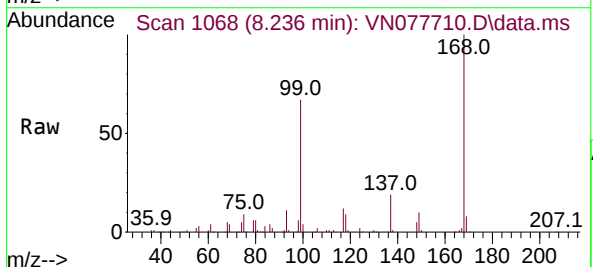
Tgt Ion: 56 Resp: 11388

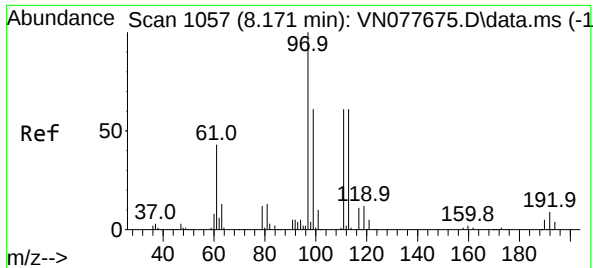
Ion Ratio Lower Upper

56 100

69 131.5 26.8 40.2#

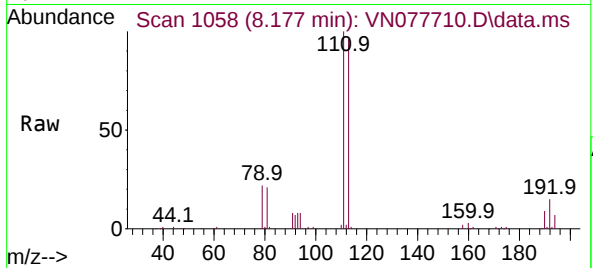
84 94.8 81.8 122.6





#32
1,1,1-Trichloroethane
Concen: 0.381 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

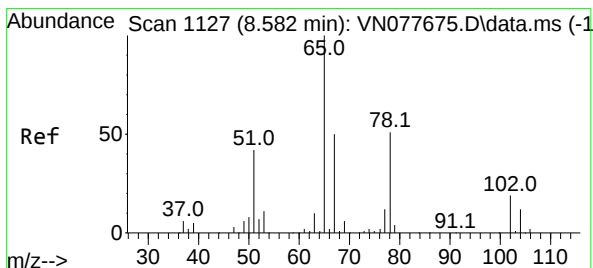
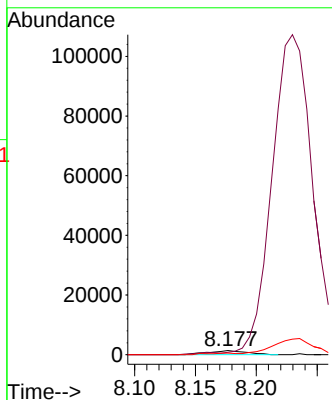
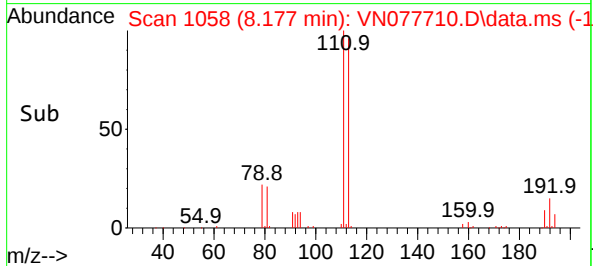
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 97 Resp: 294
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5
61 28.5 34.7 52.1

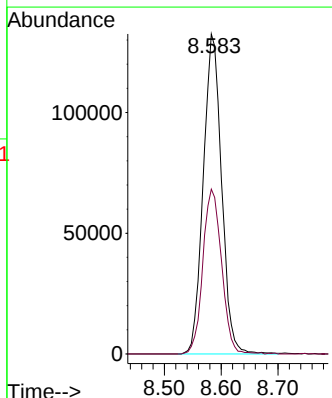
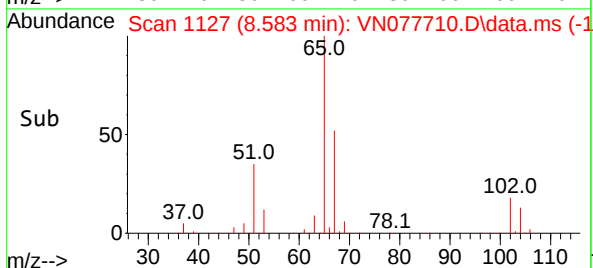
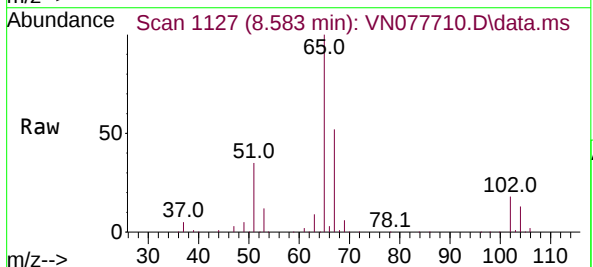
Manual Integrations
APPROVED

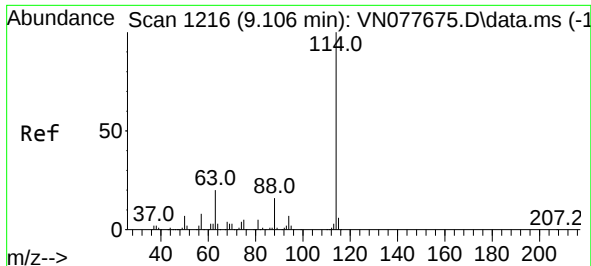
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#33
1,2-Dichloroethane-d4
Concen: 53.080 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

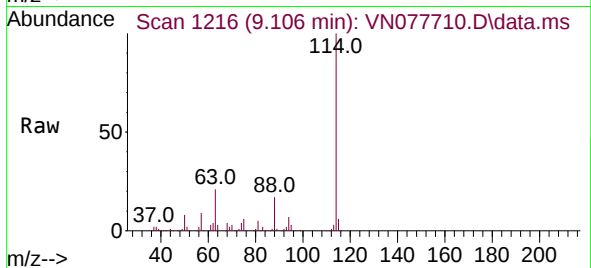
Tgt Ion: 65 Resp: 296180
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

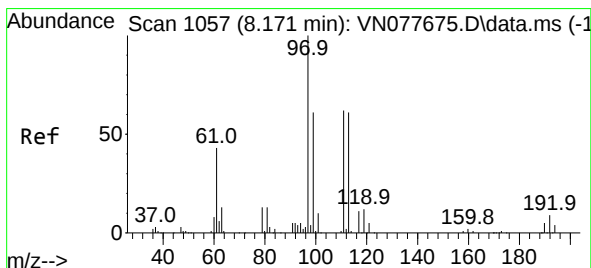
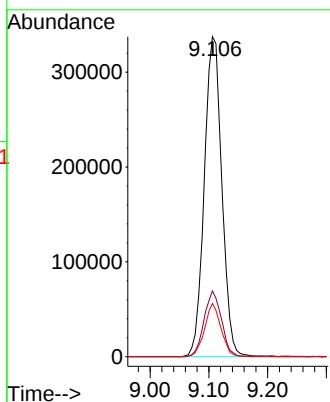
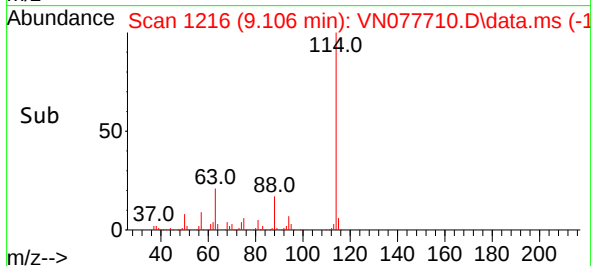
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion:114 Resp: 702108
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.4
88 16.6 0.0 30.6

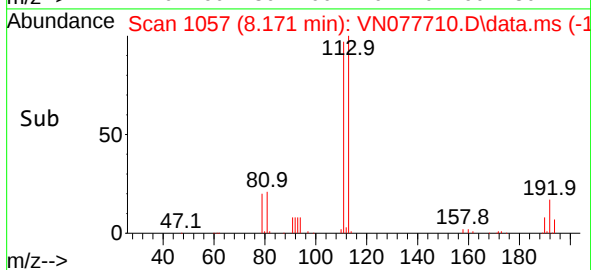
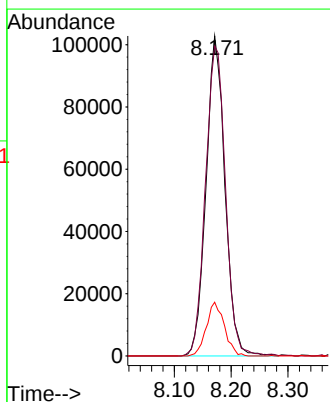
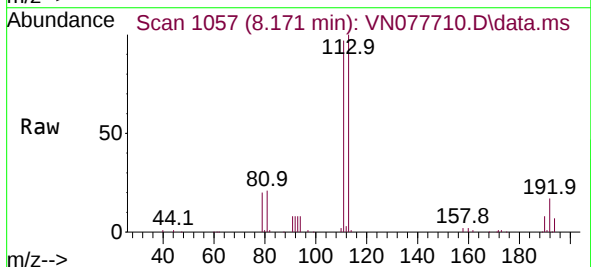
Manual Integrations
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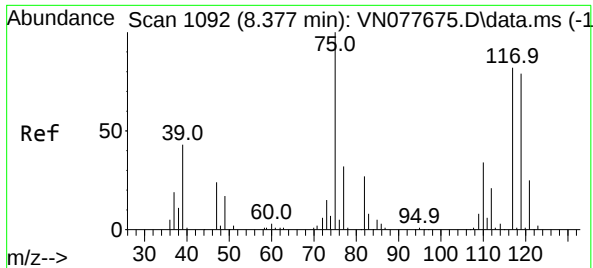
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#35
Dibromofluoromethane
Concen: 51.760 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

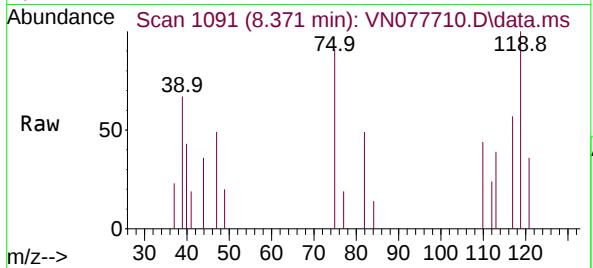
Tgt Ion:113 Resp: 236978
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 16.1 12.7 19.1





#36
1,1-Dichloropropene
Concen: 0.342 ug/l m
RT: 8.371 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

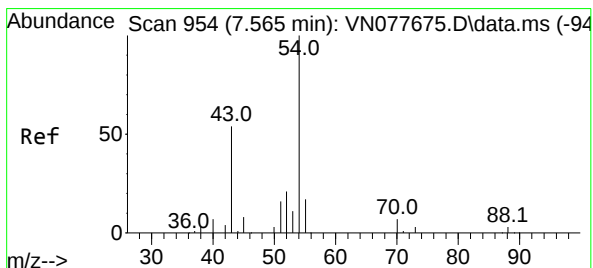
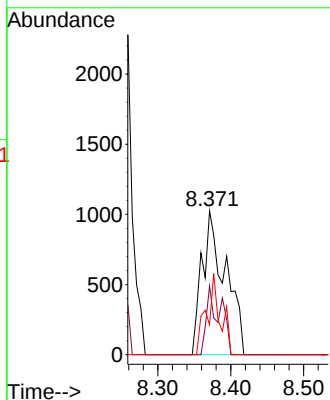
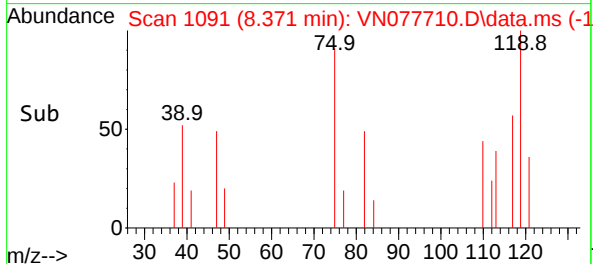
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 75 Resp: 2289
Ion Ratio Lower Upper
75 100
110 18.2 19.1 57.3#
77 33.1 25.0 37.4#

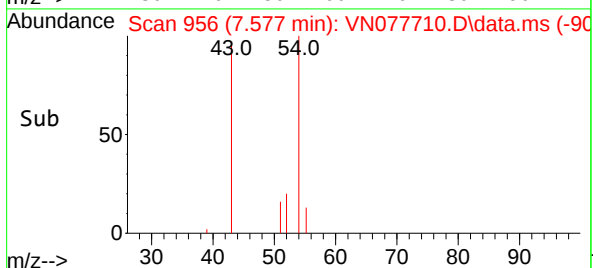
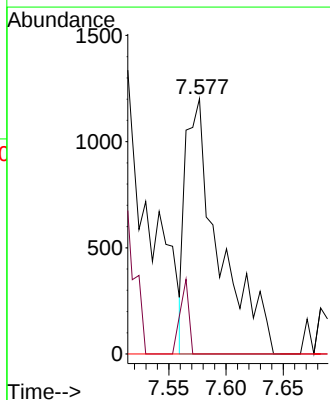
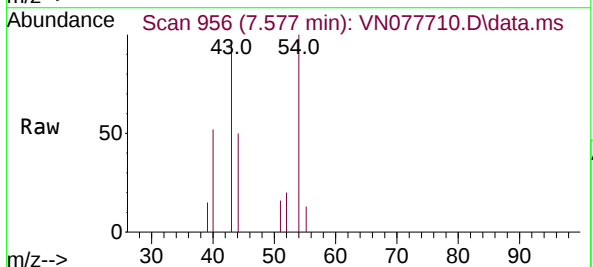
Manual Integrations
APPROVED

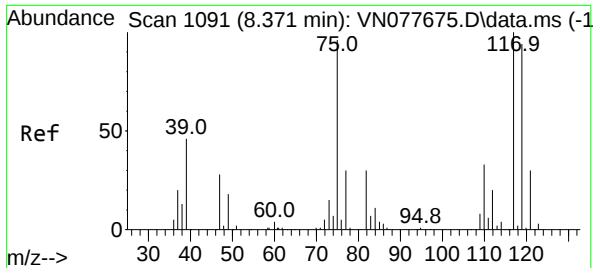
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#37
Ethyl Acetate
Concen: 0.412 ug/l m
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

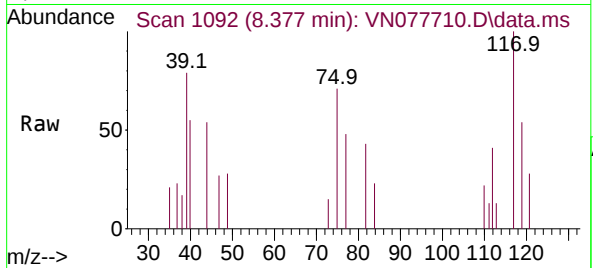
Tgt Ion: 43 Resp: 2462
Ion Ratio Lower Upper
43 100
61 7.6 13.2 19.8#
70 0.0 11.3 16.9#





#38
Carbon Tetrachloride
Concen: 0.336 ug/l
RT: 8.377 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

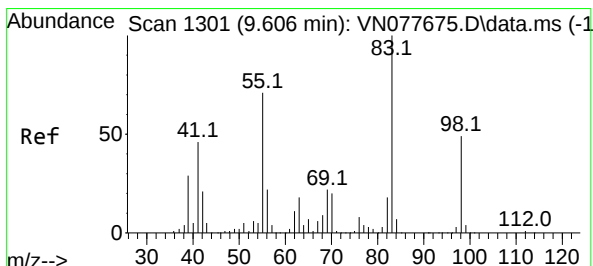
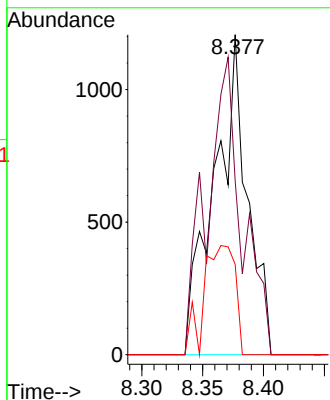
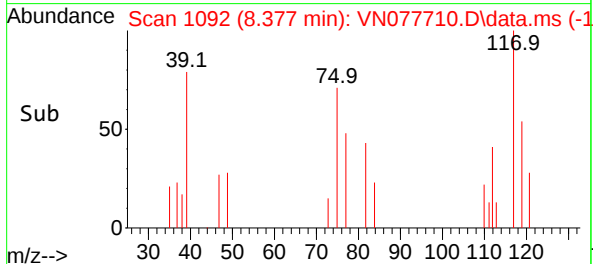
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



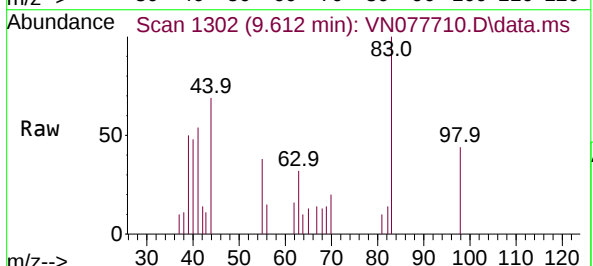
Tgt Ion: 117 Resp: 227
Ion Ratio Lower Upper
117 100
119 54.4 77.3 115.9
121 28.3 23.3 34.9

Manual Integrations
APPROVED

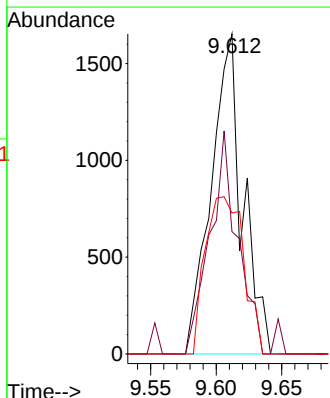
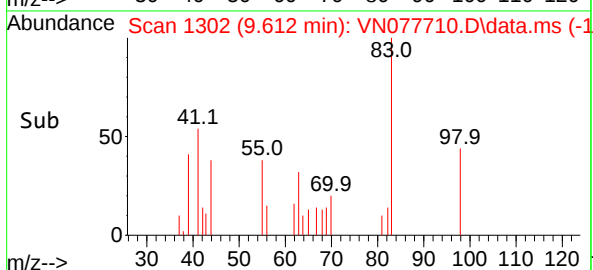
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

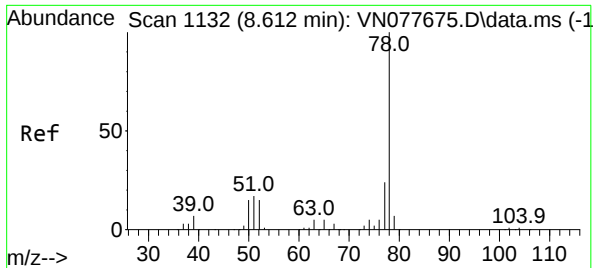


#39
Methylcyclohexane
Concen: 0.336 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



Tgt Ion: 83 Resp: 2751
Ion Ratio Lower Upper
83 100
55 38.2 49.1 73.7
98 44.0 40.6 61.0





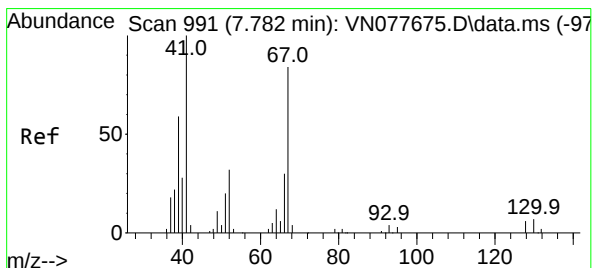
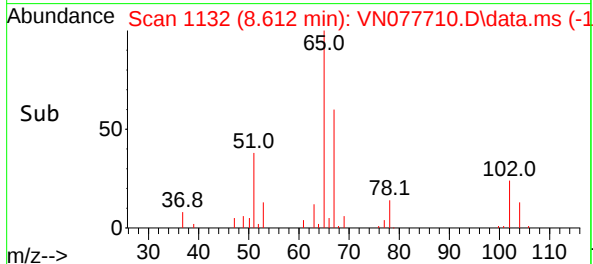
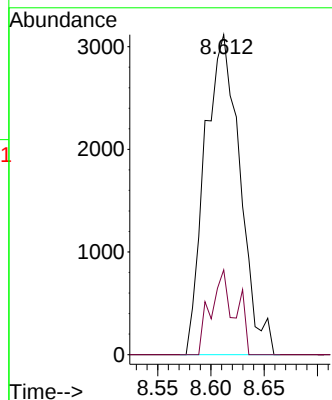
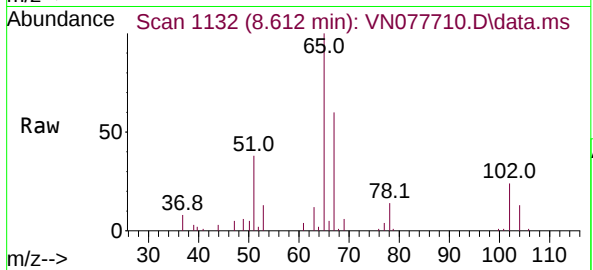
#40
Benzene
Concen: 0.362 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

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

Tgt Ion: 78 Resp: 7144
Ion Ratio Lower Upper
78 100
77 26.5 19.0 28.6

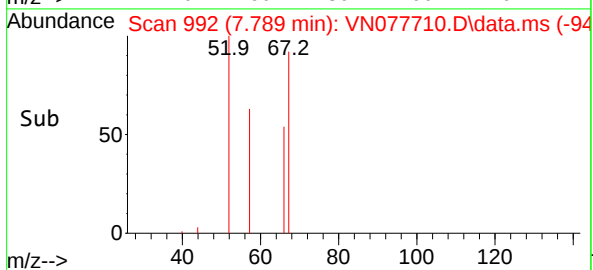
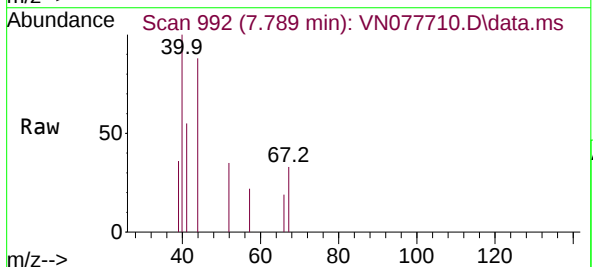
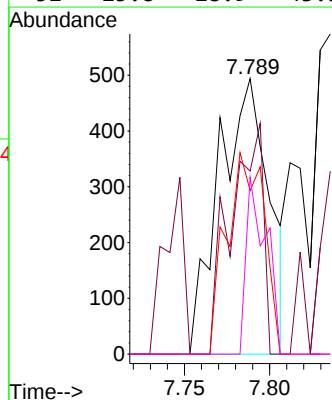
Manual Integrations
APPROVED

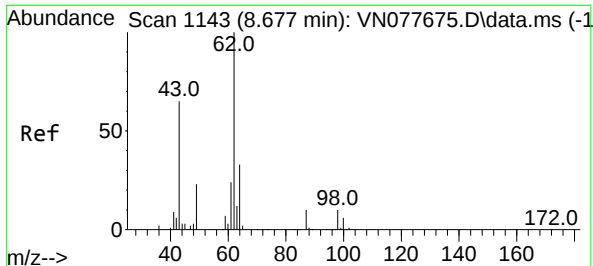
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#41
Methacrylonitrile
Concen: 0.316 ug/l
RT: 7.789 min Scan# 992
Delta R.T. 0.007 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion: 41 Resp: 1006
Ion Ratio Lower Upper
41 100
39 54.2 42.6 64.0
67 55.0 77.5 116.3#
52 25.8 28.9 43.3#





#42

1,2-Dichloroethane

Concen: 0.415 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

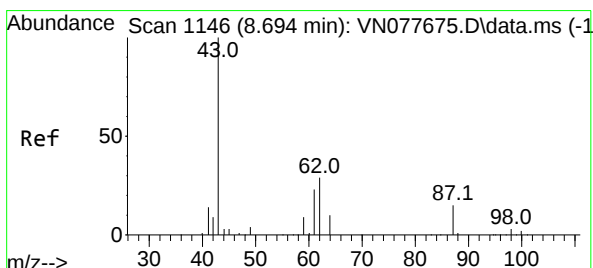
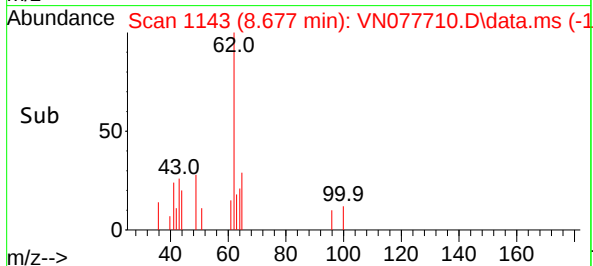
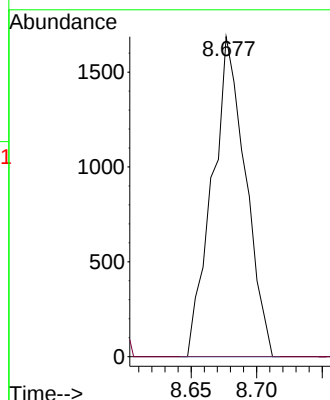
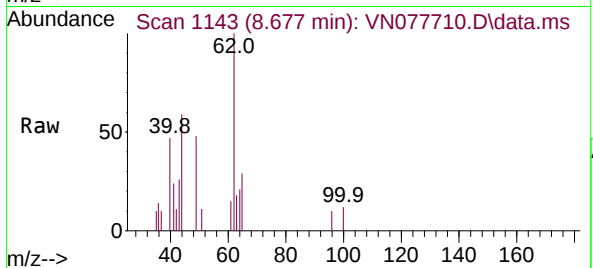
Tgt Ion: 62 Resp: 2979
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 19.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#43

Isopropyl Acetate

Concen: 0.275 ug/l

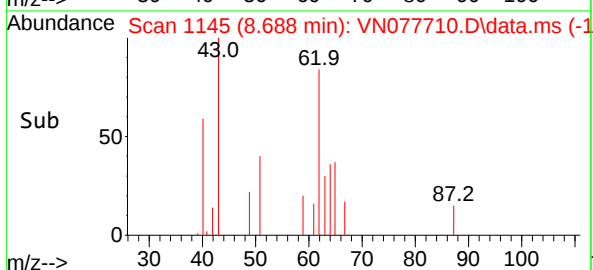
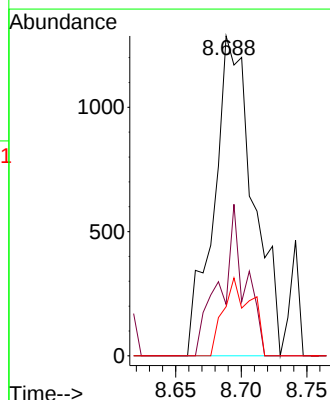
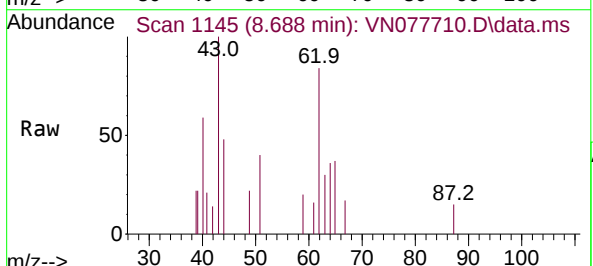
RT: 8.688 min Scan# 1145

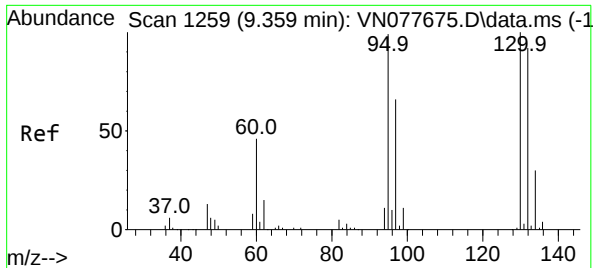
Delta R.T. -0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

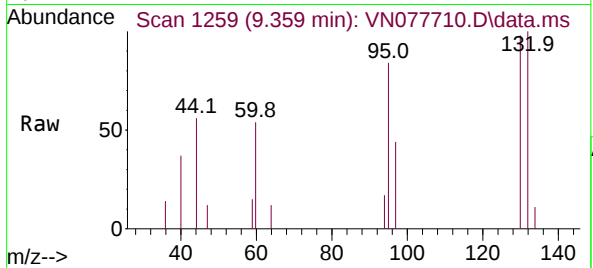
Tgt Ion: 43 Resp: 2684
 Ion Ratio Lower Upper
 43 100
 61 30.1 24.7 37.1
 87 17.3 14.6 21.8





#44
Trichloroethene
Concen: 0.434 ug/l
RT: 9.359 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

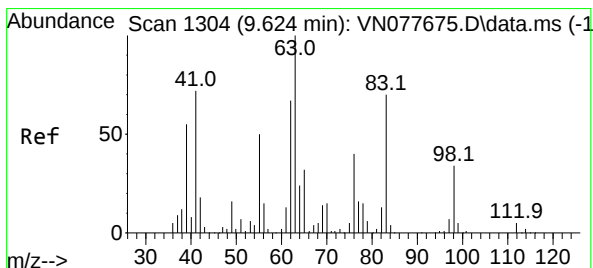
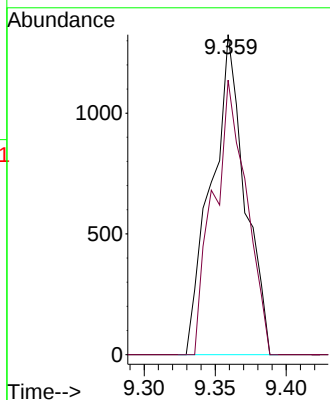
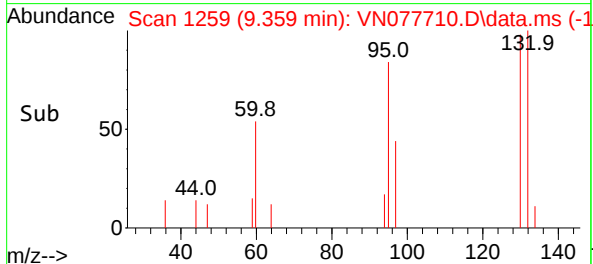
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



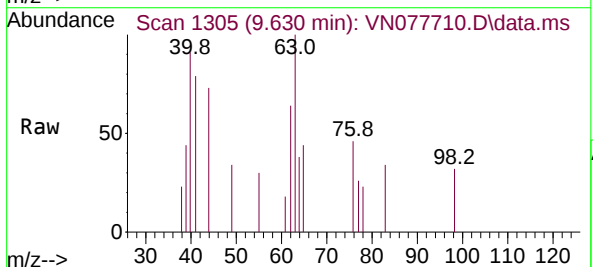
Tgt Ion:130 Resp: 217
Ion Ratio Lower Upper
130 100
95 85.8 0.0 204.6

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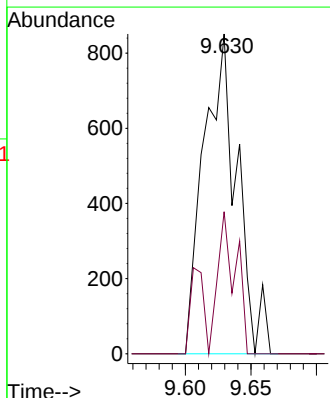
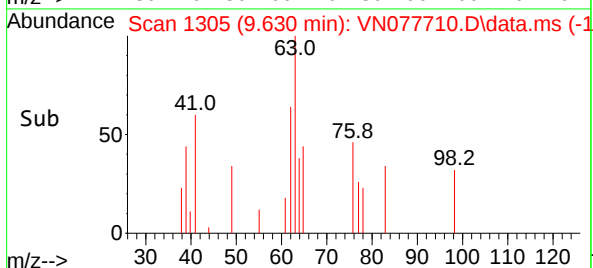
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

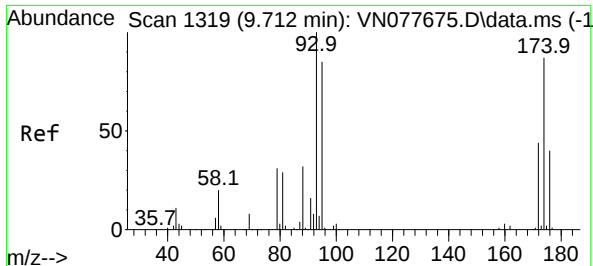


#45
1,2-Dichloropropane
Concen: 0.298 ug/l
RT: 9.630 min Scan# 1305
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



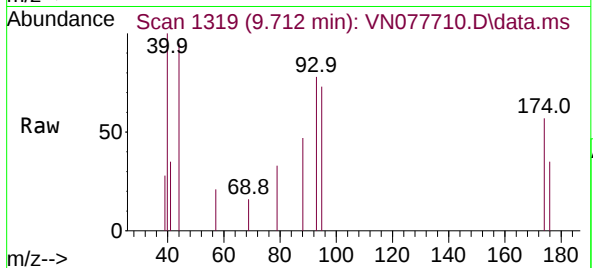
Tgt Ion: 63 Resp: 1503
Ion Ratio Lower Upper
63 100
65 44.4 23.9 35.9#





#46
Dibromomethane
Concen: 0.379 ug/l
RT: 9.712 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

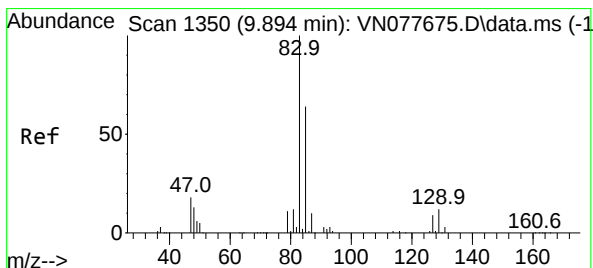
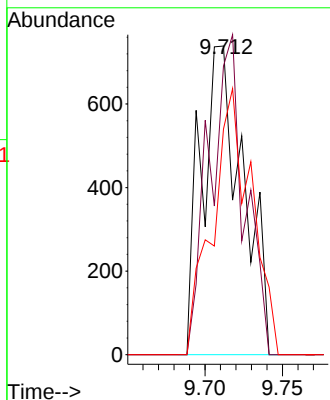
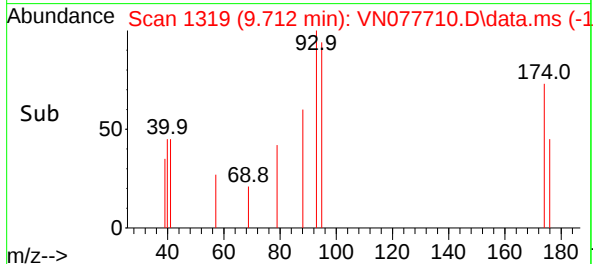
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



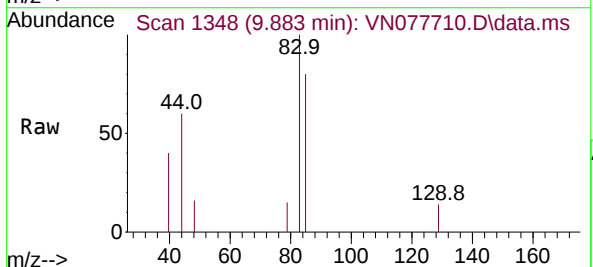
Tgt Ion: 93 Resp: 1360
Ion Ratio Lower Upper
93 100
95 88.6 63.8 95.8
174 81.0 65.6 98.4

Manual Integrations
APPROVED

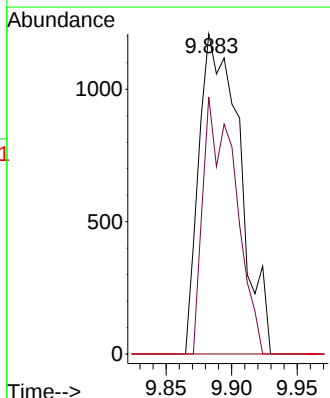
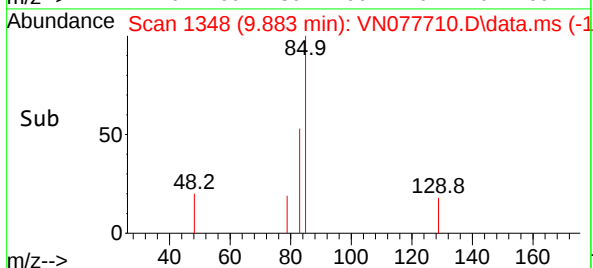
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

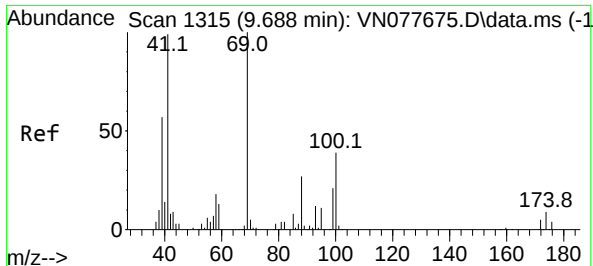


#47
Bromodichloromethane
Concen: 0.377 ug/l
RT: 9.883 min Scan# 1348
Delta R.T. -0.011 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



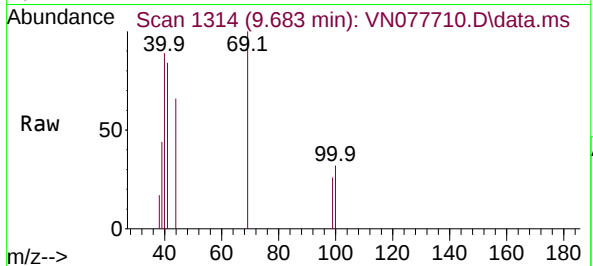
Tgt Ion: 83 Resp: 2605
Ion Ratio Lower Upper
83 100
85 80.3 49.6 74.4#
127 0.0 7.0 10.6#





#48
Methyl methacrylate
Concen: 0.391 ug/l
RT: 9.683 min Scan# 1315
Delta R.T. -0.005 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

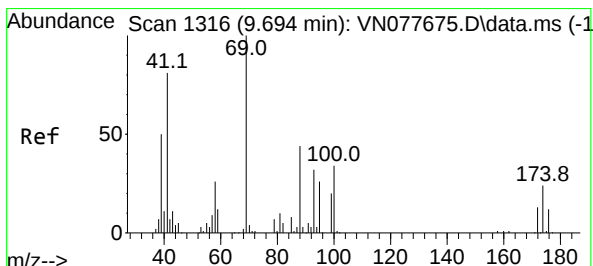
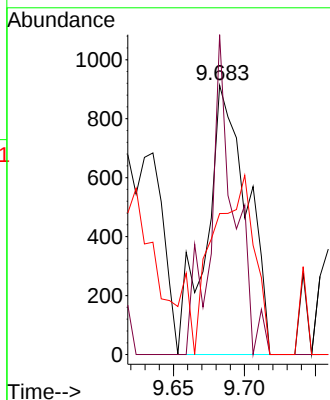
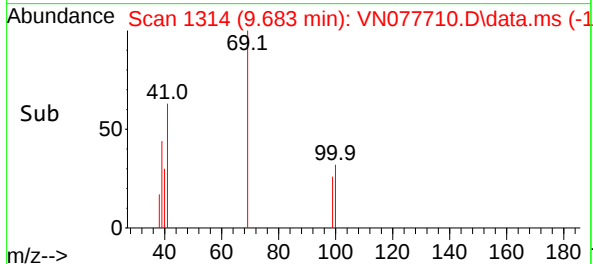
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



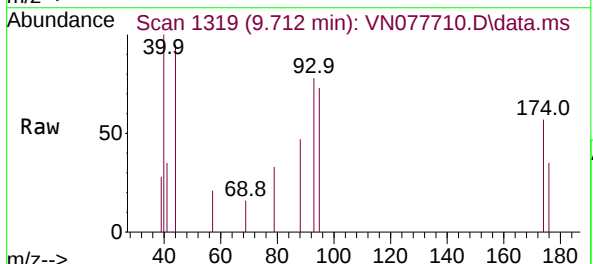
Tgt Ion: 41 Resp: 1808
Ion Ratio Lower Upper
41 100
69 70.0 90.4 135.6#
39 66.5 54.6 81.8

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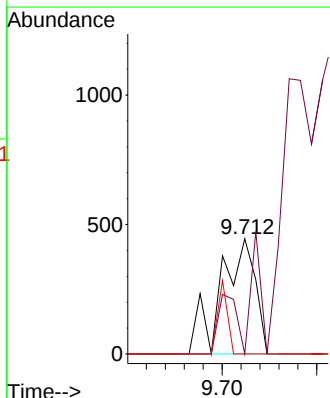
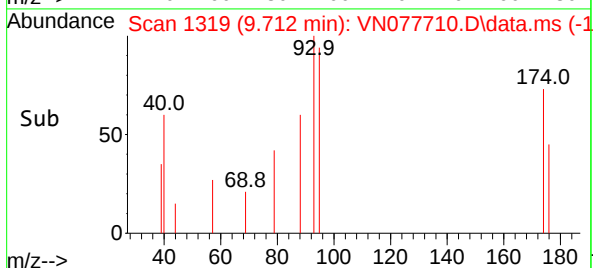
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

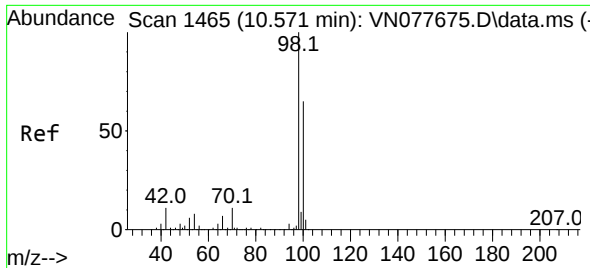


#49
1,4-Dioxane
Concen: 6.506 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.018 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



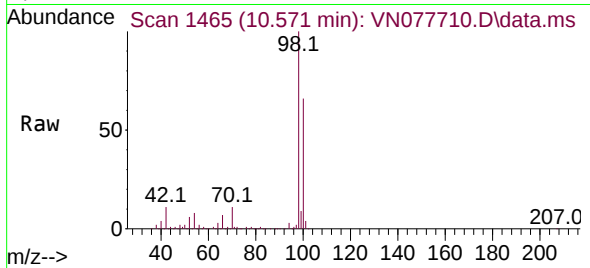
Tgt Ion: 88 Resp: 568
Ion Ratio Lower Upper
88 100
43 27.5 17.0 25.6#
58 17.6 47.0 70.4#





#50
Toluene-d8
Concen: 50.107 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

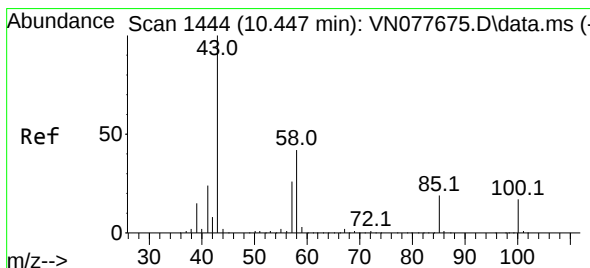
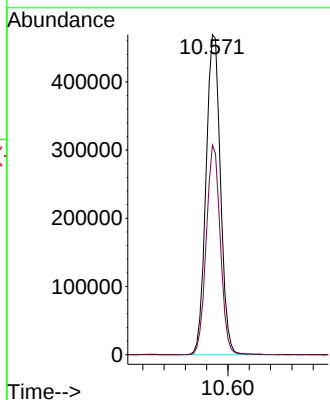
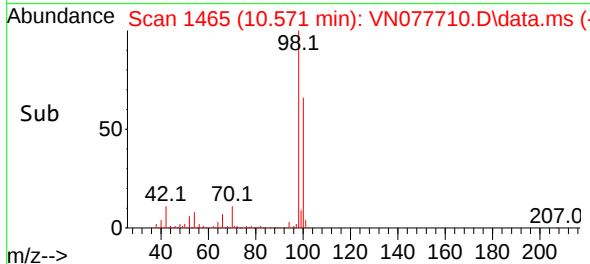
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



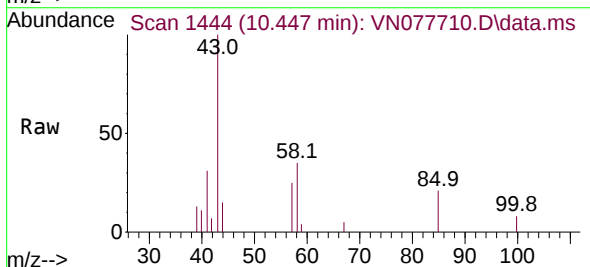
Tgt Ion: 98 Resp: 883000
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

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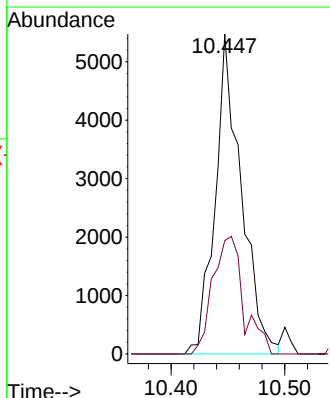
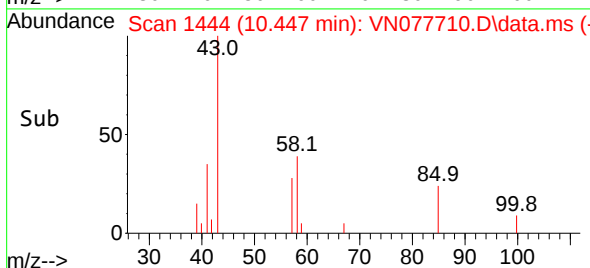
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

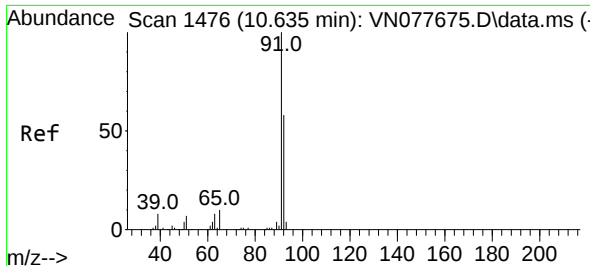


#51
4-Methyl-2-Pentanone
Concen: 1.511 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



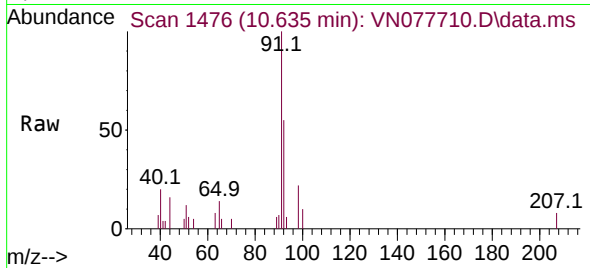
Tgt Ion: 43 Resp: 8754
Ion Ratio Lower Upper
43 100
58 43.2 36.6 54.8





#52
Toluene
Concen: 0.363 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

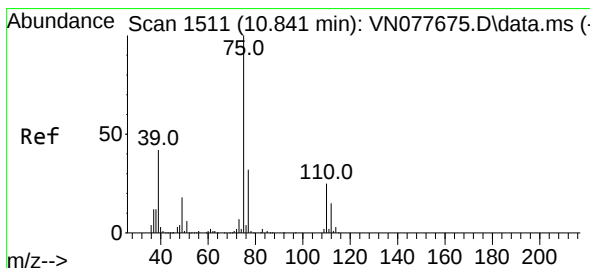
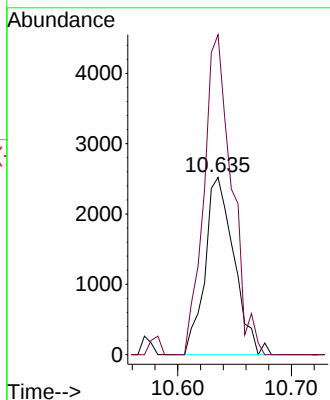
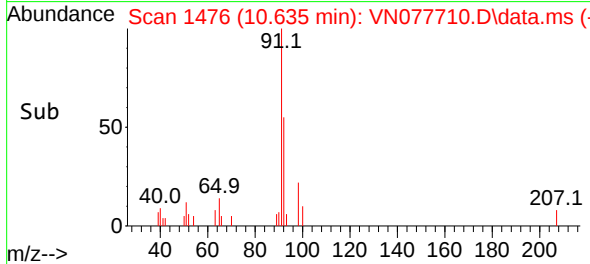
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 92 Resp: 446
Ion Ratio Lower Upper
92 100
91 174.6 137.4 206.0

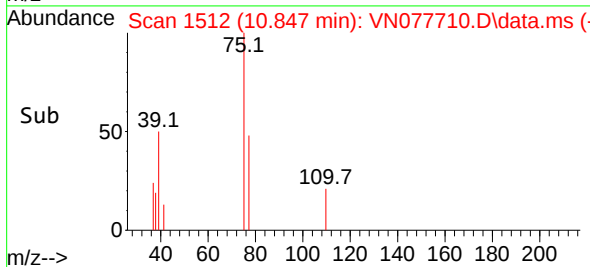
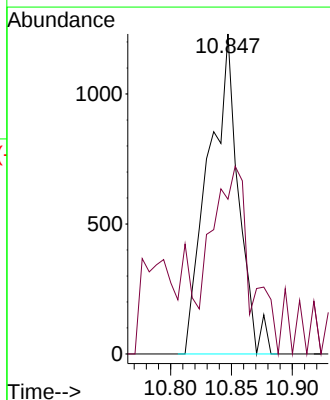
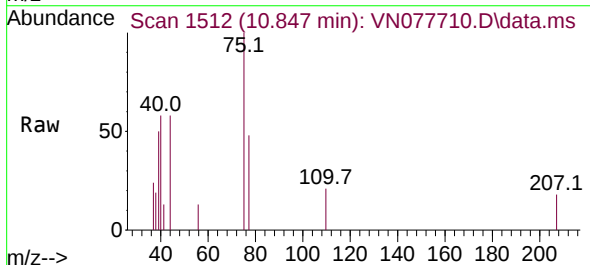
Manual Integrations
APPROVED

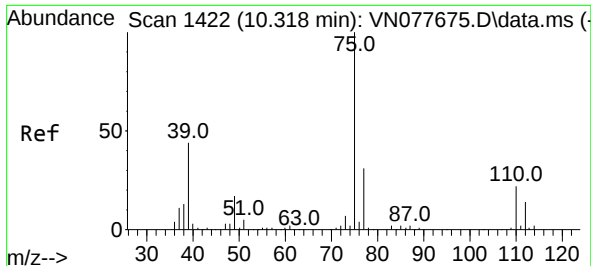
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#53
t-1,3-Dichloropropene
Concen: 0.289 ug/l
RT: 10.847 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

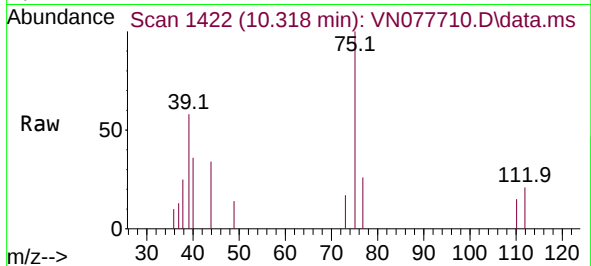
Tgt Ion: 75 Resp: 2115
Ion Ratio Lower Upper
75 100
77 48.3 25.4 38.0#





#54
 cis-1,3-Dichloropropene
 Concen: 0.285 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN077710.D
 Acq: 17 May 2023 13:45

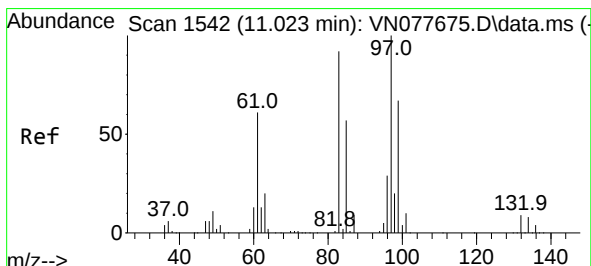
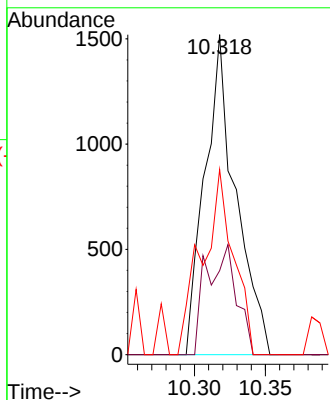
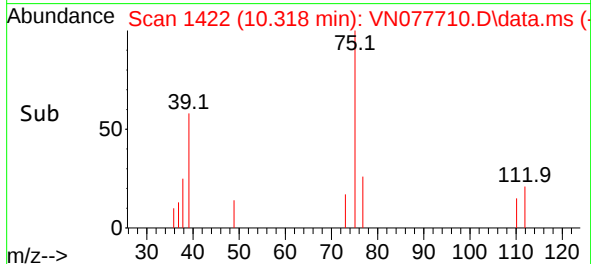
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2023



Tgt Ion: 75 Resp: 229
 Ion Ratio Lower Upper
 75 100
 77 26.3 26.1 39.1
 39 57.8 31.6 47.4

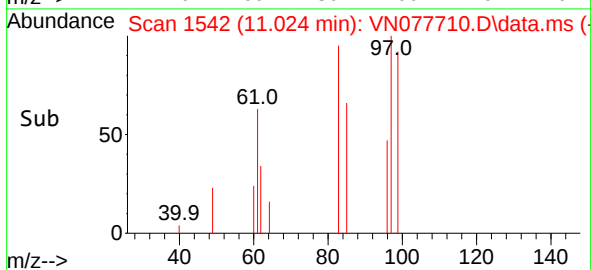
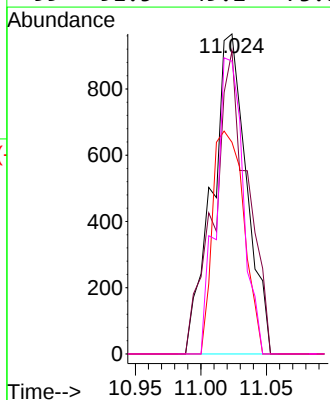
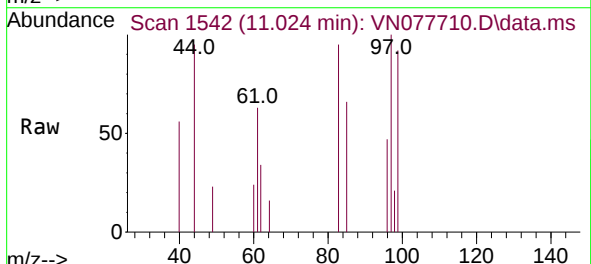
Manual Integrations
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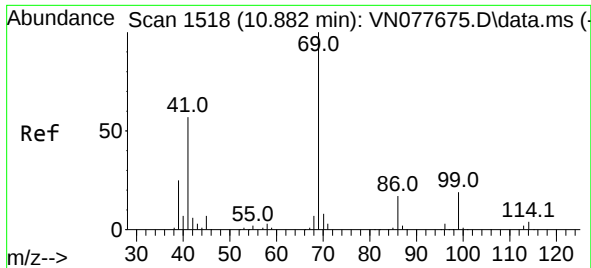
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#55
 1,1,2-Trichloroethane
 Concen: 0.363 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. 0.001 min
 Lab File: VN077710.D
 Acq: 17 May 2023 13:45

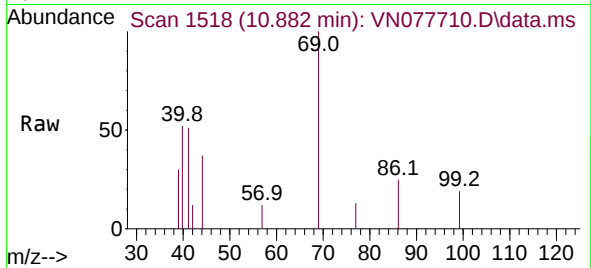
Tgt Ion: 97 Resp: 1771
 Ion Ratio Lower Upper
 97 100
 83 94.7 65.1 97.7
 85 66.1 43.4 65.2#
 99 91.5 49.2 73.8#





#56
Ethyl methacrylate
Concen: 0.350 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

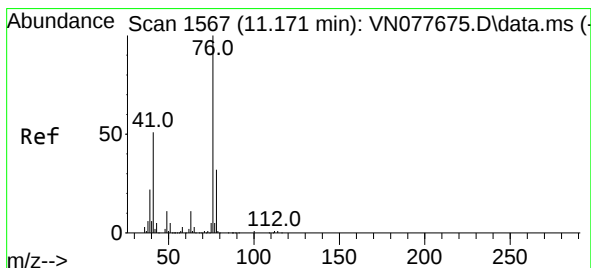
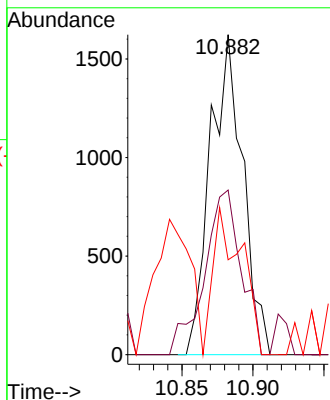
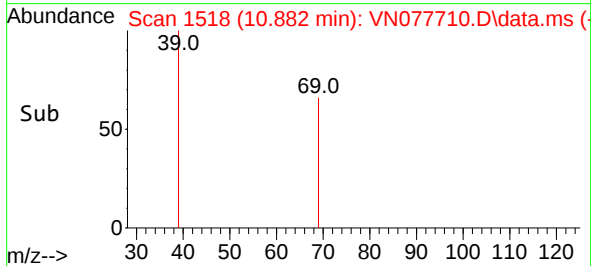
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion: 69 Resp: 2585
Ion Ratio Lower Upper
69 100
41 58.3 39.6 59.4
39 40.5 28.6 43.0

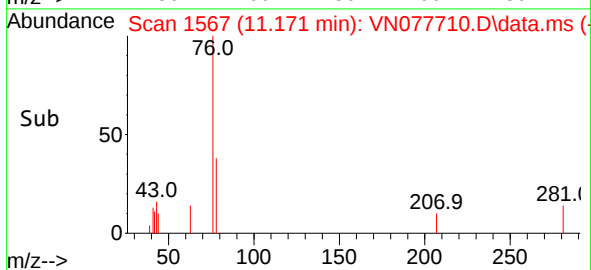
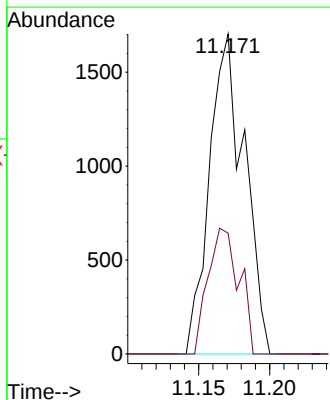
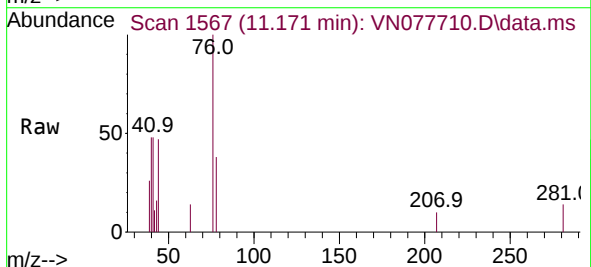
Manual Integrations
APPROVED

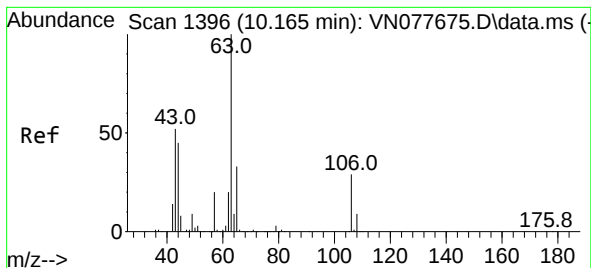
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#57
1,3-Dichloropropane
Concen: 0.348 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion: 76 Resp: 2917
Ion Ratio Lower Upper
76 100
78 35.0 26.1 39.1





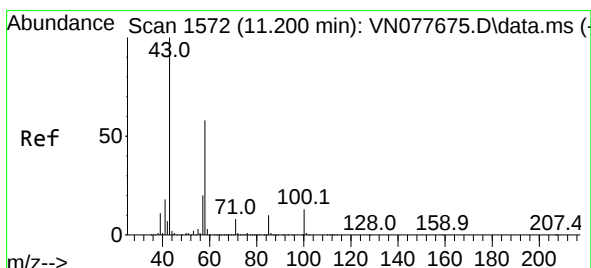
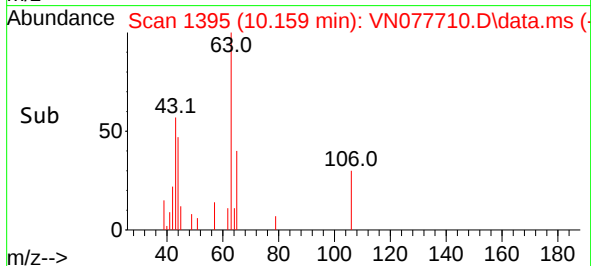
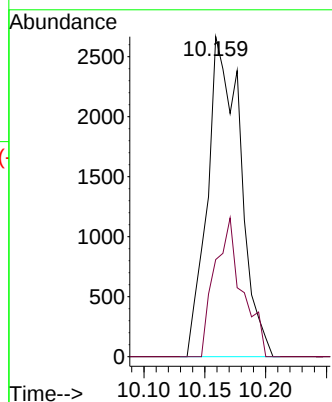
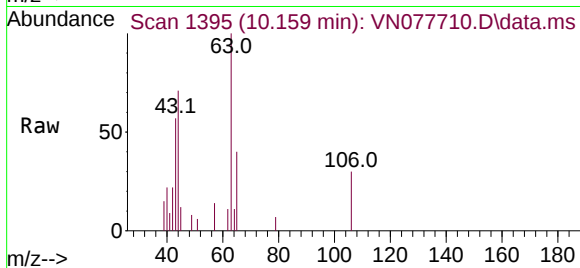
#58
2-Chloroethyl Vinyl ether
Concen: 1.388 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

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

Tgt Ion: 63 Resp: 504
Ion Ratio Lower Upper
63 100
106 36.1 26.2 39.4

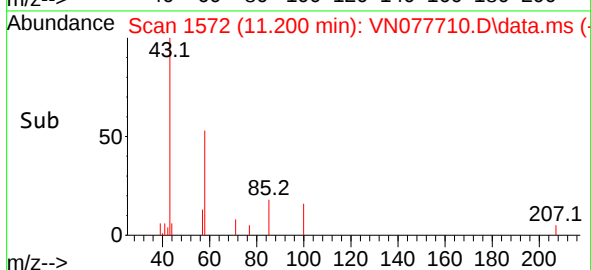
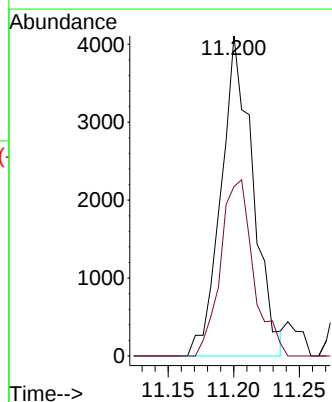
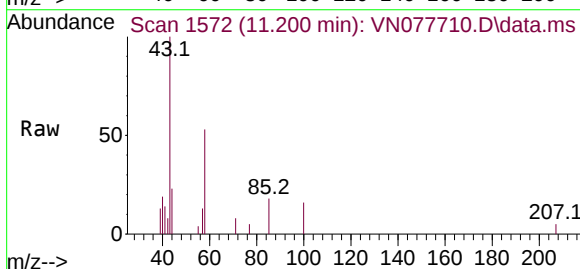
Manual Integrations
APPROVED

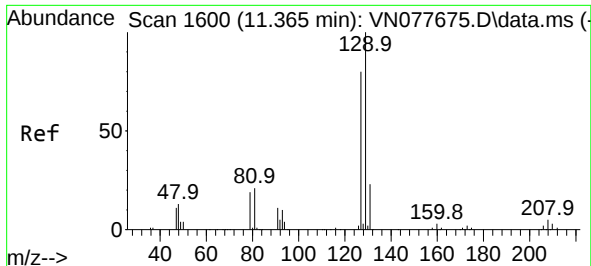
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#59
2-Hexanone
Concen: 1.618 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

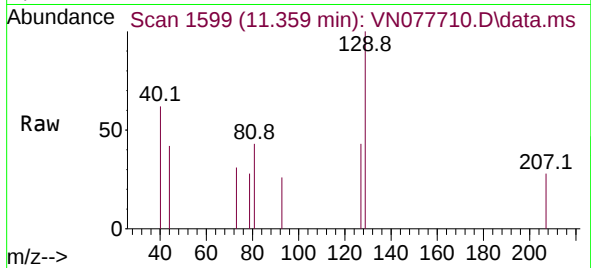
Tgt Ion: 43 Resp: 6937
Ion Ratio Lower Upper
43 100
58 56.9 31.7 95.1





#60
Dibromochloromethane
Concen: 0.333 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

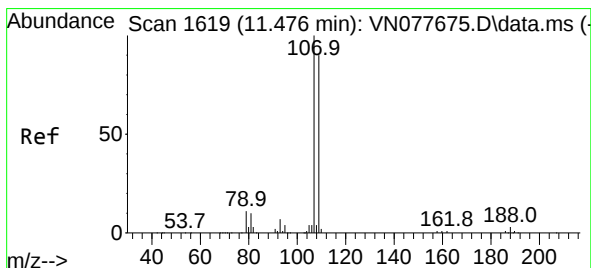
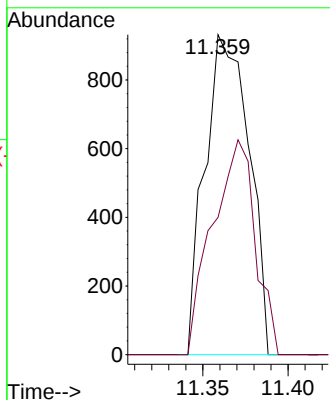
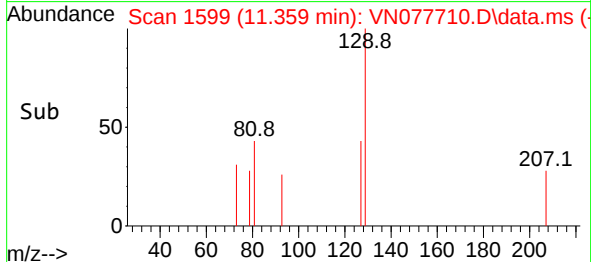
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



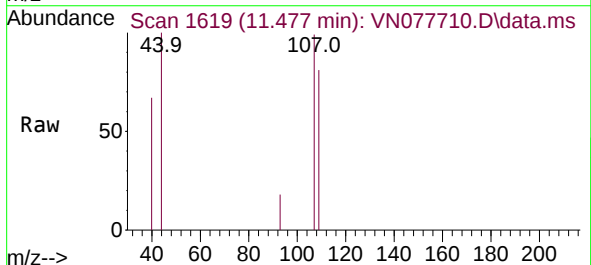
Tgt Ion:129 Resp: 1679
Ion Ratio Lower Upper
129 100
127 65.2 38.6 116.0

Manual Integrations
APPROVED

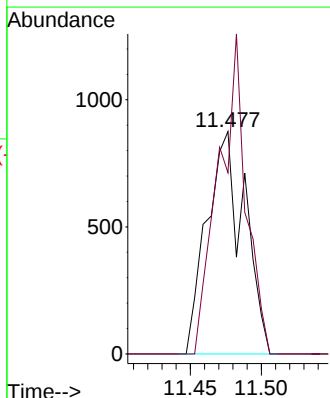
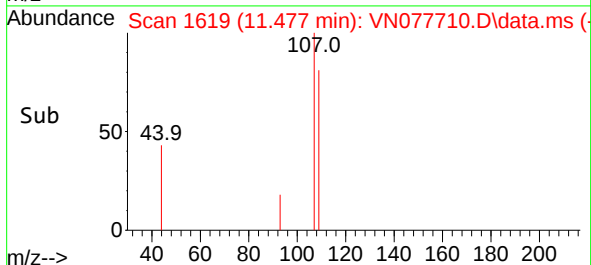
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

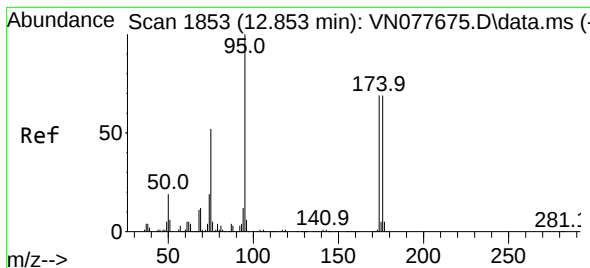


#61
1,2-Dibromoethane
Concen: 0.330 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



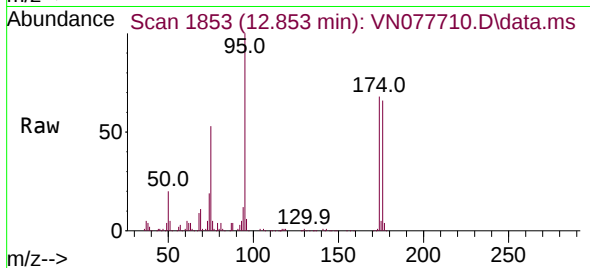
Tgt Ion:107 Resp: 1609
Ion Ratio Lower Upper
107 100
109 104.8 76.6 114.8





#62
4-Bromofluorobenzene
Concen: 45.000 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

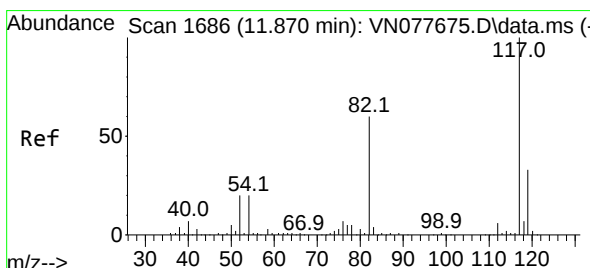
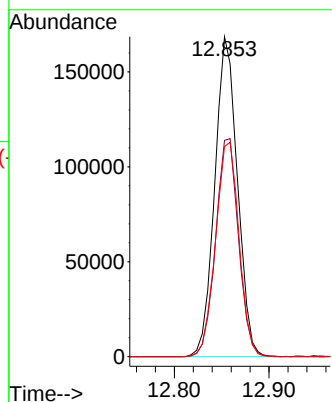
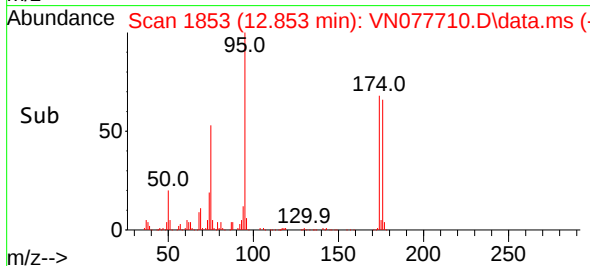
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



Tgt Ion: 95 Resp: 280078
Ion Ratio Lower Upper
95 100
174 68.9 0.0 143.8
176 69.3 0.0 135.8

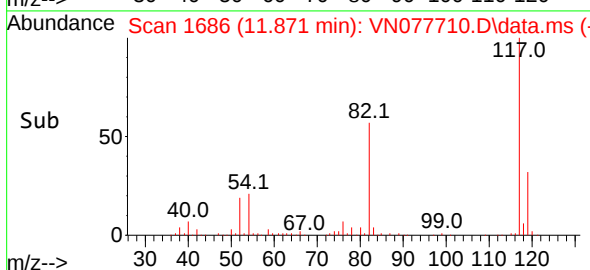
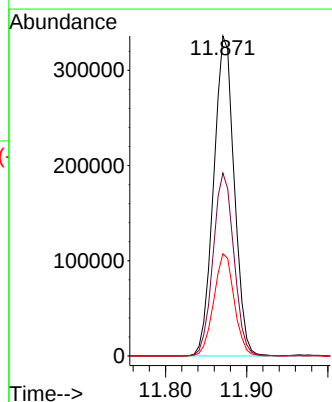
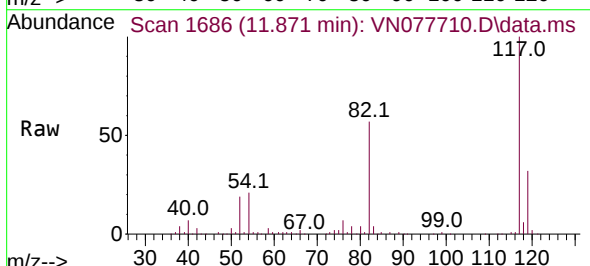
Manual Integrations
APPROVED

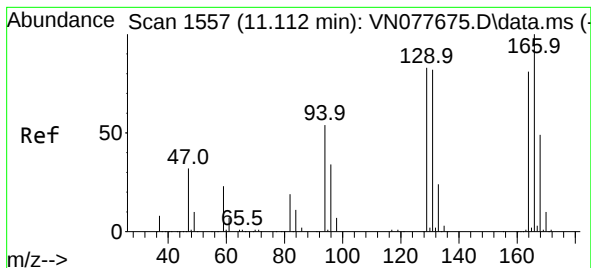
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion:117 Resp: 593331
Ion Ratio Lower Upper
117 100
82 57.2 44.0 66.0
119 32.0 25.6 38.4





#64

Tetrachloroethene

Concen: 0.404 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.006 min

Lab File: VN077710.D

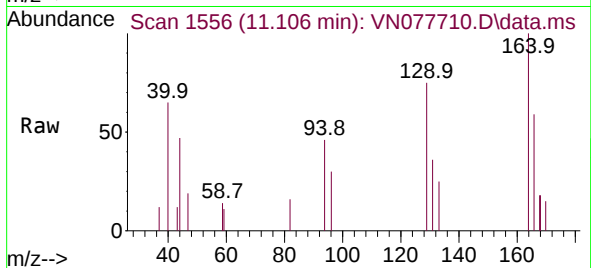
Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion:164 Resp: 1670

Ion Ratio Lower Upper

164 100

166 58.6 101.4 152.0

129 74.6 82.4 123.6

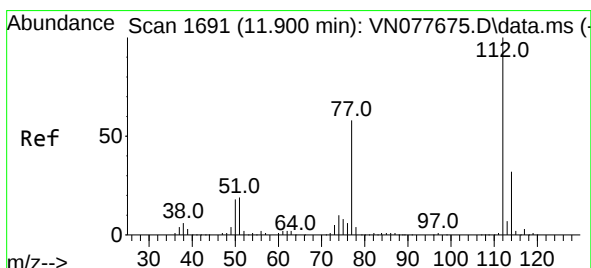
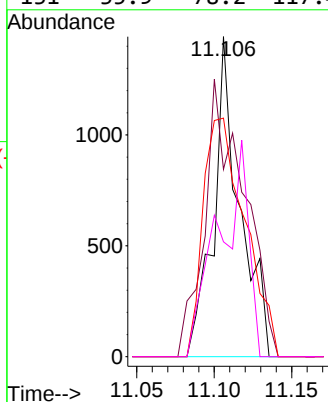
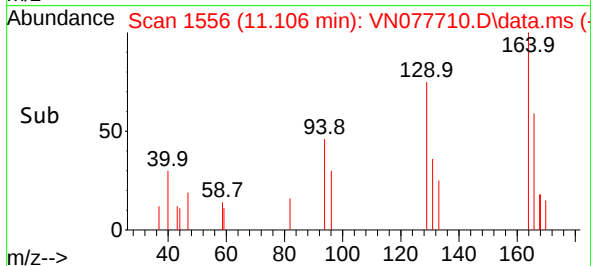
131 35.9 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#65

Chlorobenzene

Concen: 0.367 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.006 min

Lab File: VN077710.D

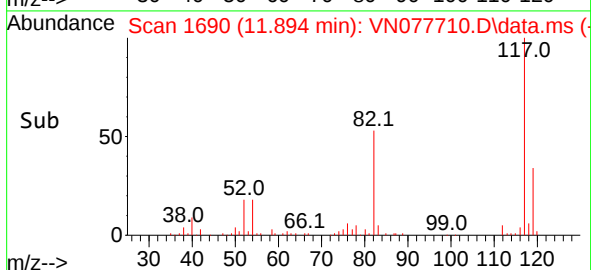
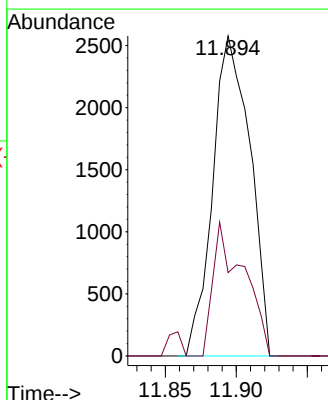
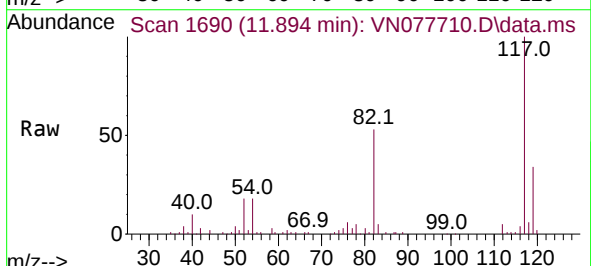
Acq: 17 May 2023 13:45

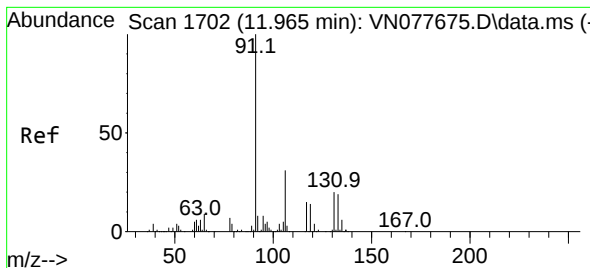
Tgt Ion:112 Resp: 4720

Ion Ratio Lower Upper

112 100

114 26.1 25.0 37.4





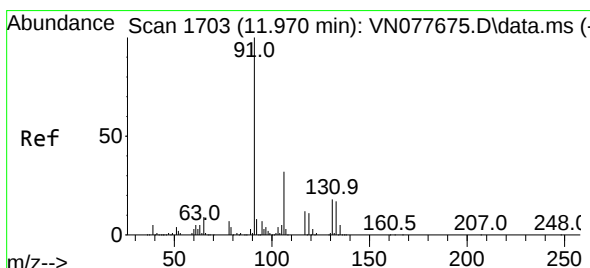
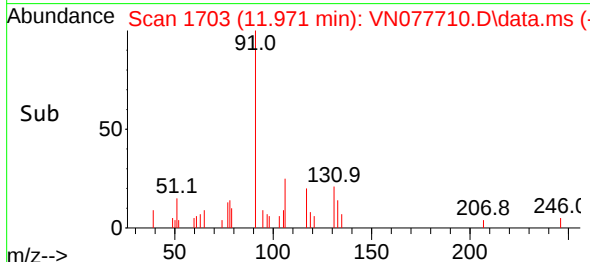
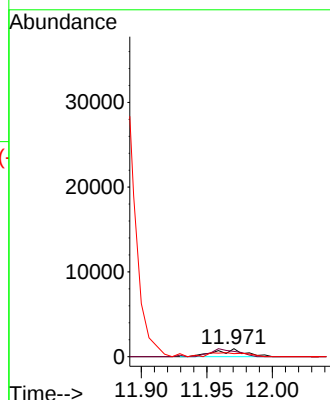
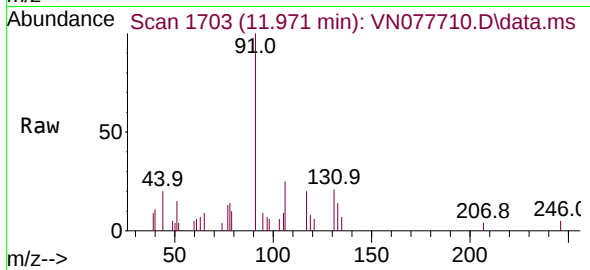
#66
1,1,1,2-Tetrachloroethane
Concen: 0.325 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

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

Tgt Ion:131 Resp: 1440
Ion Ratio Lower Upper
131 100
133 90.7 46.4 139.1
119 0.0 34.1 102.2

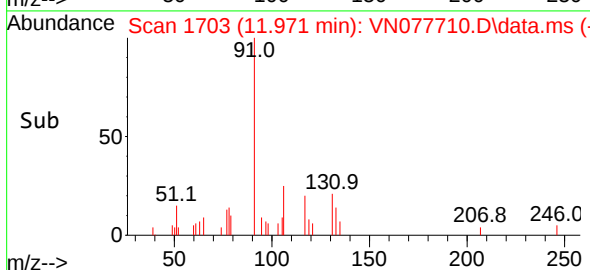
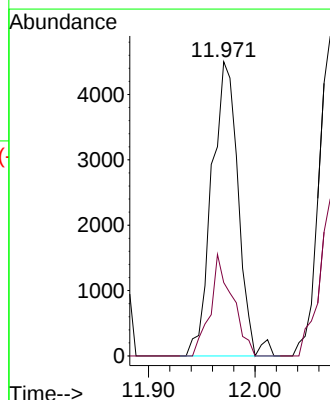
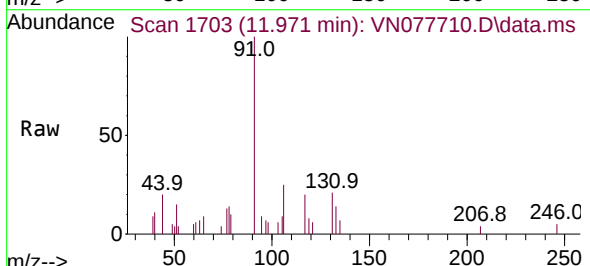
Manual Integrations
APPROVED

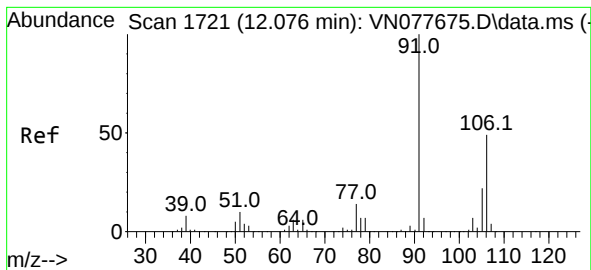
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#67
Ethyl Benzene
Concen: 0.336 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion: 91 Resp: 7753
Ion Ratio Lower Upper
91 100
106 24.9 25.6 38.4#





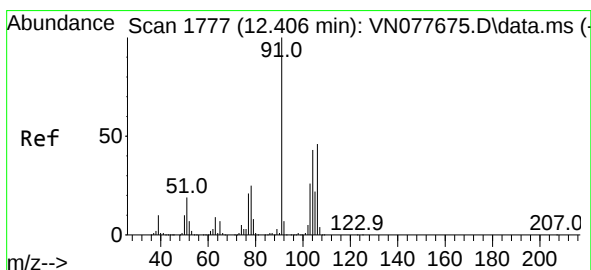
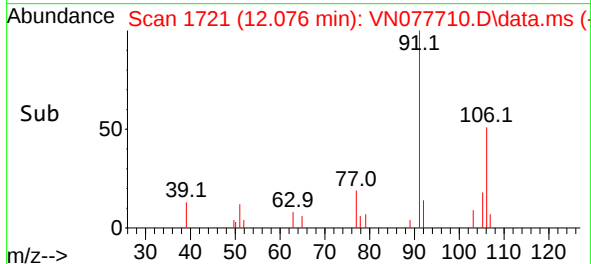
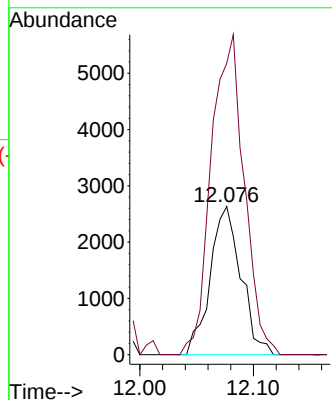
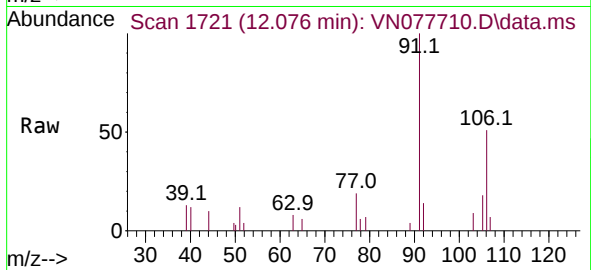
#68
m/p-Xylenes
Concen: 0.569 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

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

Tgt Ion:106 Resp: 4960
Ion Ratio Lower Upper
106 100
91 230.6 159.6 239.4

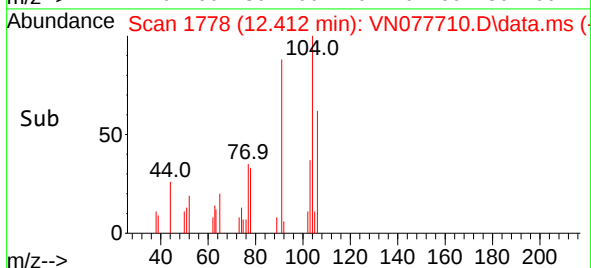
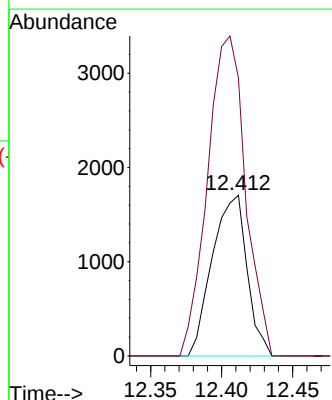
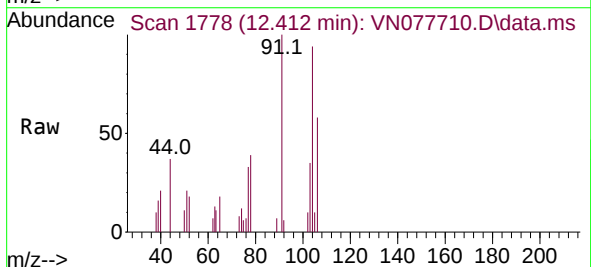
Manual Integrations
APPROVED

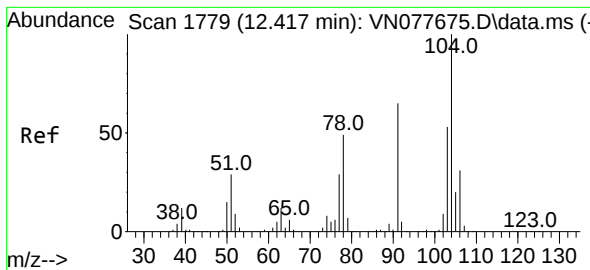
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#69
o-Xylene
Concen: 0.338 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

Tgt Ion:106 Resp: 2899
Ion Ratio Lower Upper
106 100
91 218.0 105.2 315.5





#70

Styrene

Concen: 0.341 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

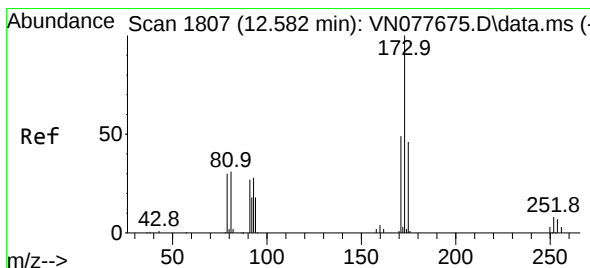
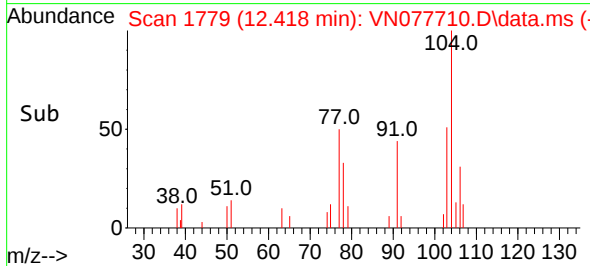
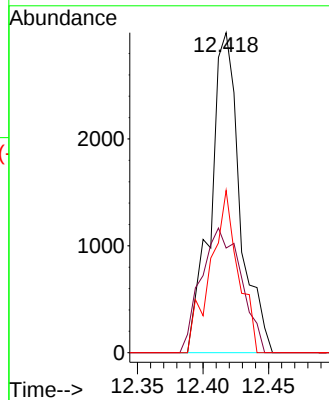
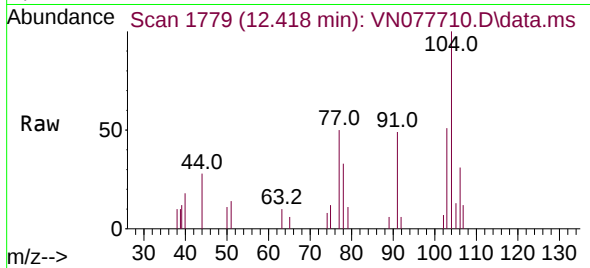
Tgt Ion:104	Resp:	4649
Ion Ratio	Lower	Upper
104	100	
78	53.4	39.5 59.3
103	48.0	43.2 64.8

Manual Integrations

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Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#71

Bromoform

Concen: 0.218 ug/l

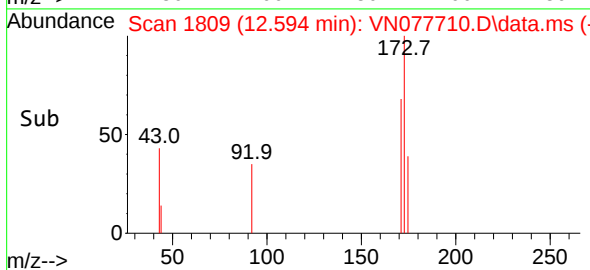
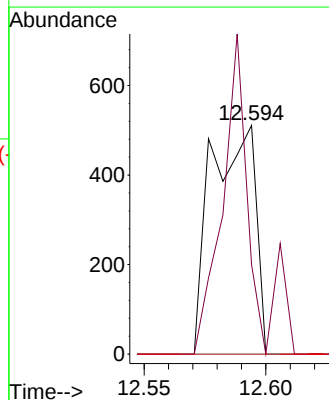
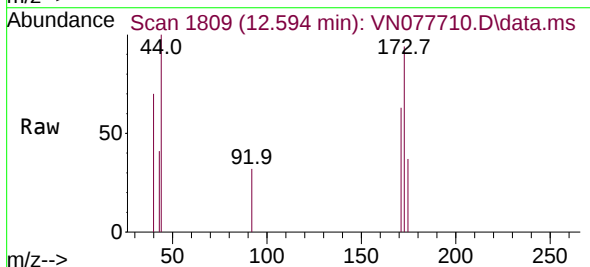
RT: 12.594 min Scan# 1809

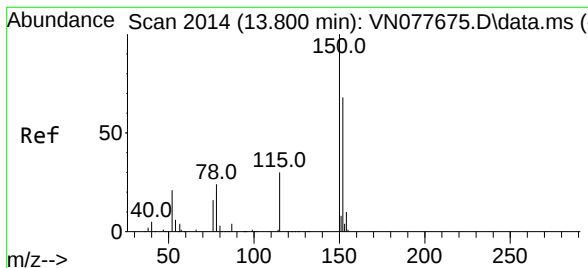
Delta R.T. 0.012 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

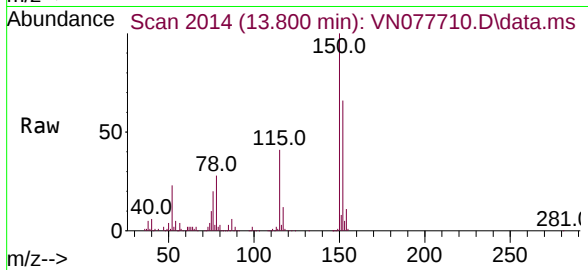
Tgt Ion:173	Resp:	644
Ion Ratio	Lower	Upper
173	100	
175	76.6	24.3 73.0#
254	0.0	0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

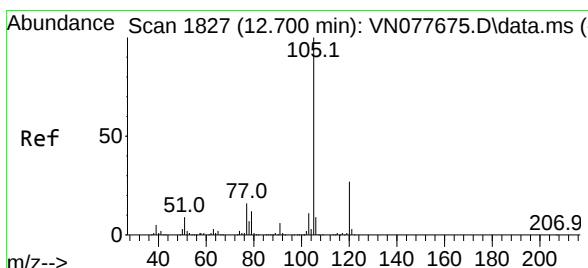
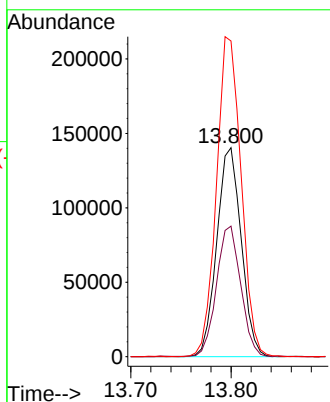
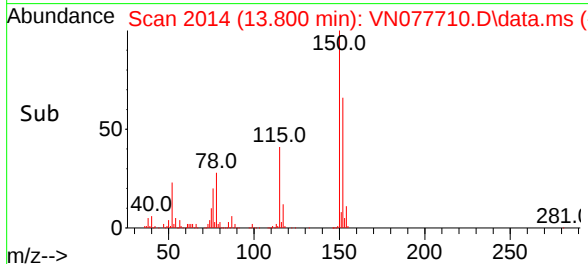
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



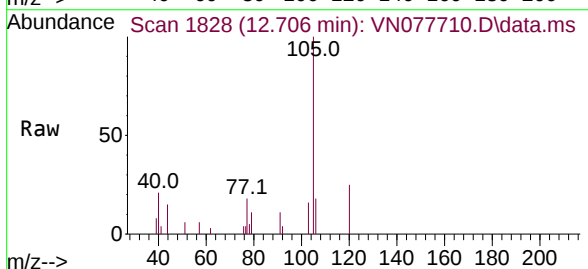
Tgt Ion:152 Resp: 23706
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 154.6 0.0 355.8

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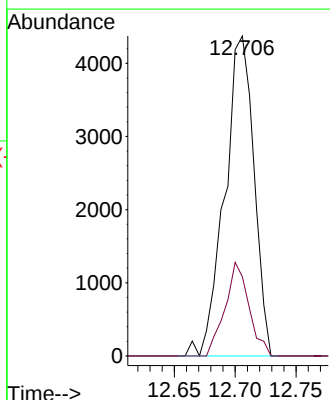
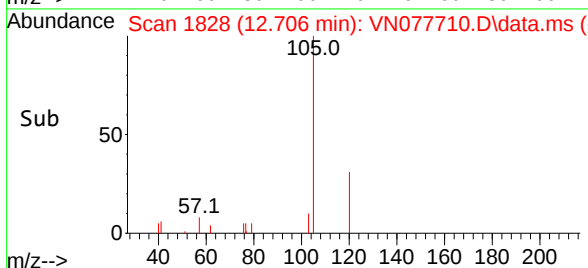
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

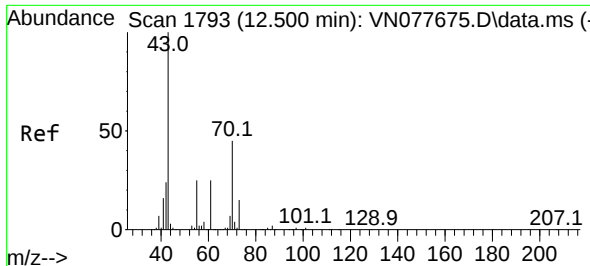


#73
Isopropylbenzene
Concen: 0.357 ug/l
RT: 12.706 min Scan# 1828
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



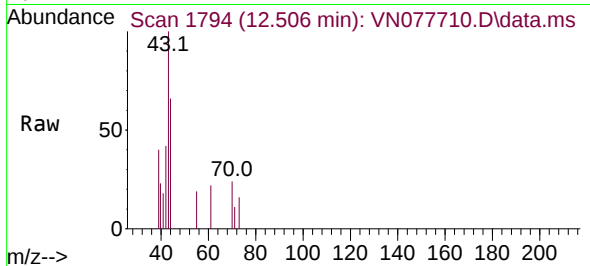
Tgt Ion:105 Resp: 7292
Ion Ratio Lower Upper
105 100
120 24.0 13.1 39.1





#74
N-amy1 acetate
Concen: 0.369 ug/l
RT: 12.506 min Scan# 1793
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

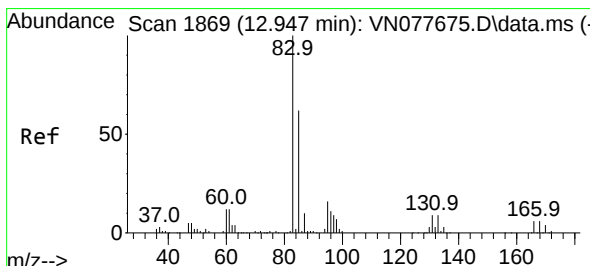
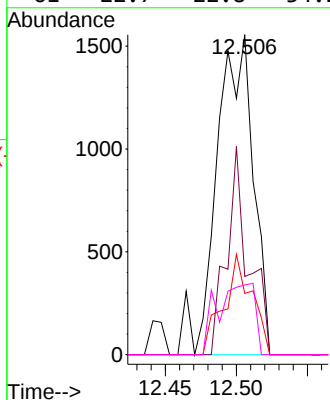
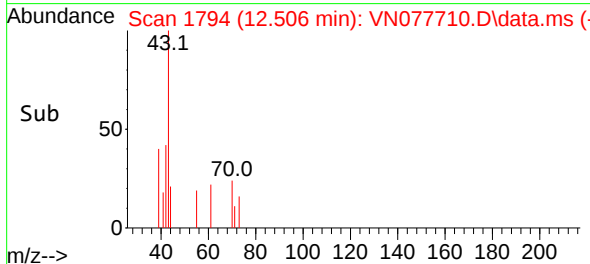
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:	43	Resp:	2790
Ion Ratio	100	Lower	Upper
43	100		
70	38.6	43.4	65.2
55	24.1	21.4	32.0
61	22.7	22.8	34.2

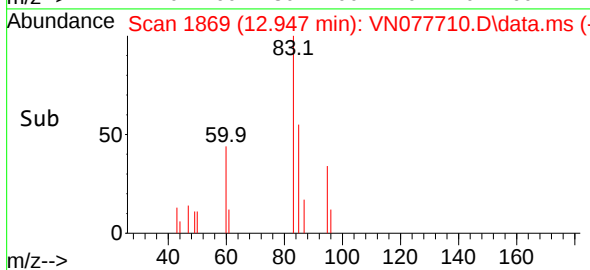
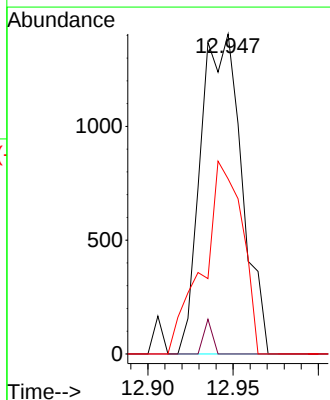
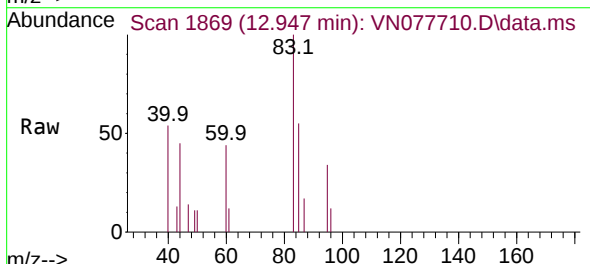
Manual Integrations
APPROVED

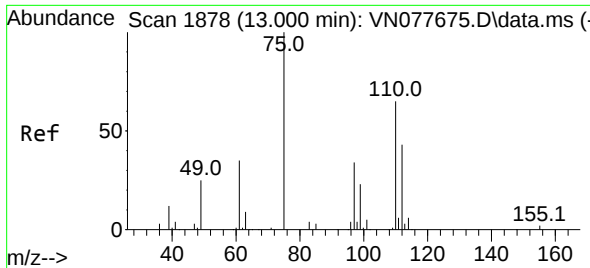
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#75
1,1,2,2-Tetrachloroethane
Concen: 0.375 ug/l
RT: 12.947 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

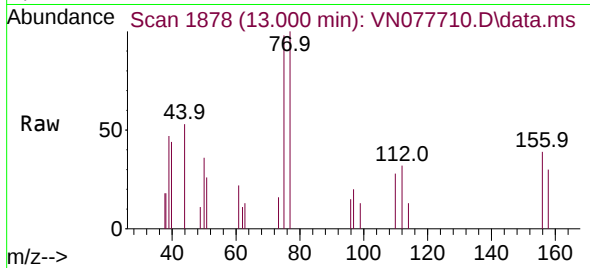
Tgt Ion:	83	Resp:	2358
Ion Ratio	100	Lower	Upper
83	100		
131	2.3	5.0	15.0
85	57.5	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 0.436 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

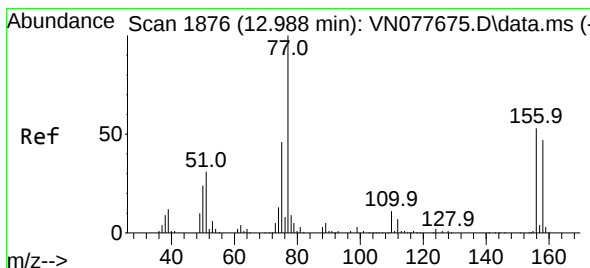
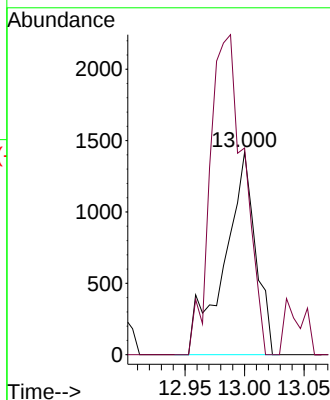
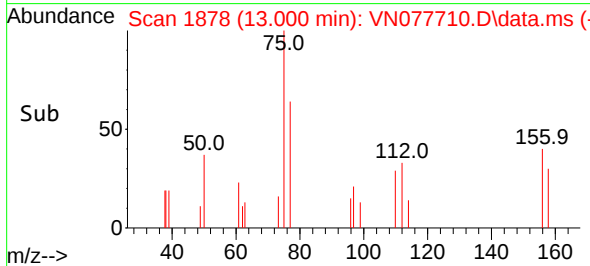
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



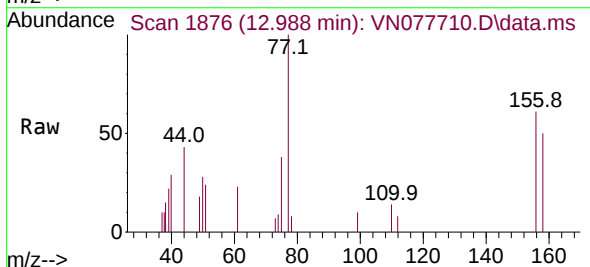
Tgt Ion: 75 Resp: 2580
Ion Ratio Lower Upper
75 100
77 60.5 84.5 253.5

Manual Integrations
APPROVED

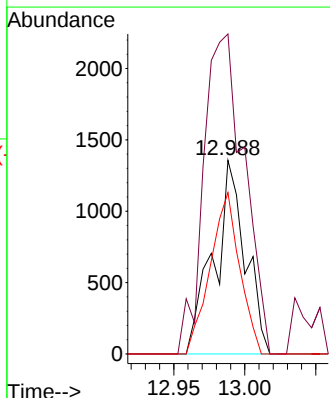
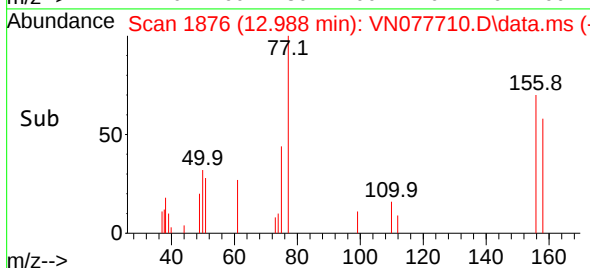
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

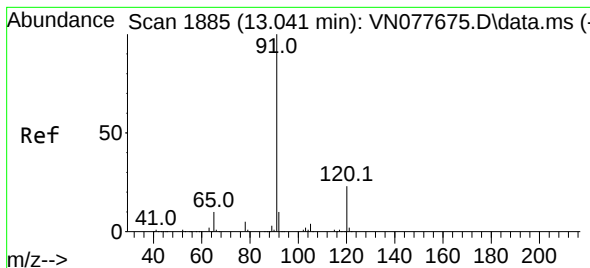


#77
Bromobenzene
Concen: 0.449 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



Tgt Ion:156 Resp: 2092
Ion Ratio Lower Upper
156 100
77 212.4 107.7 323.3
158 77.9 48.4 145.3





#78

n-propylbenzene

Concen: 0.344 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 91 Resp: 8280

Ion Ratio Lower Upper

91 100

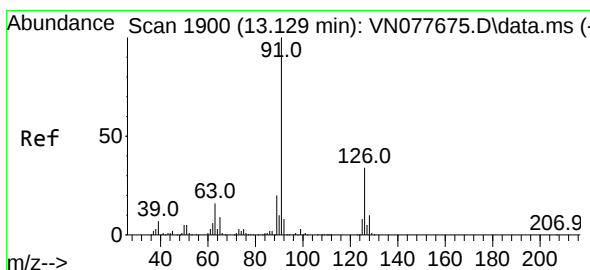
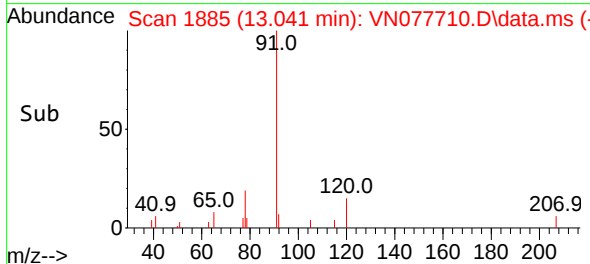
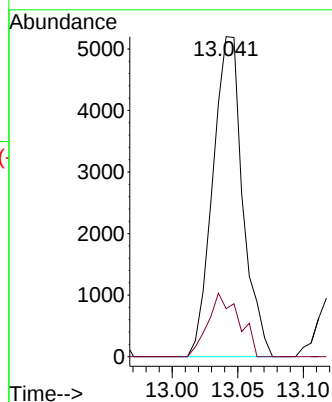
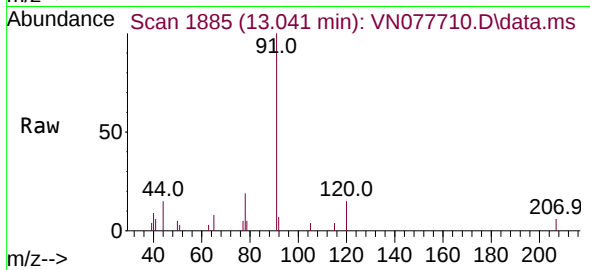
120 20.5 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#79

2-Chlorotoluene

Concen: 0.370 ug/l

RT: 13.135 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VN077710.D

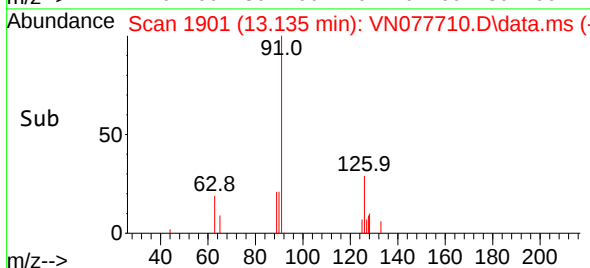
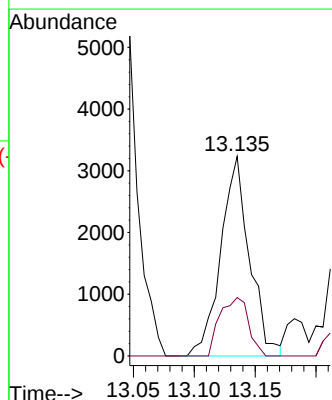
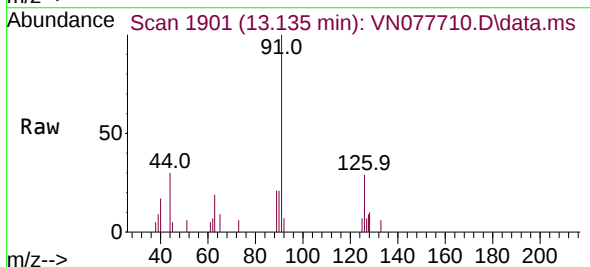
Acq: 17 May 2023 13:45

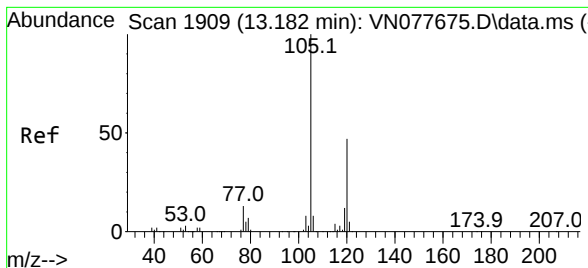
Tgt Ion: 91 Resp: 5326

Ion Ratio Lower Upper

91 100

126 29.0 16.3 48.8





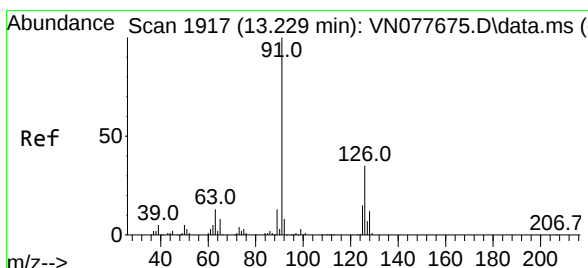
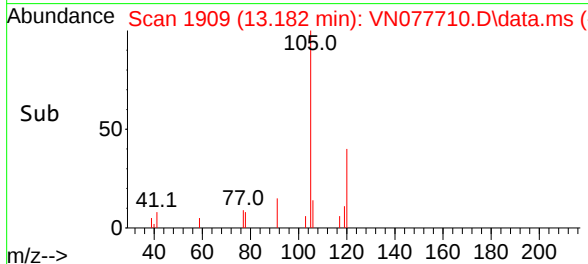
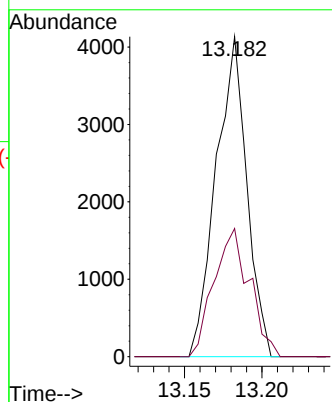
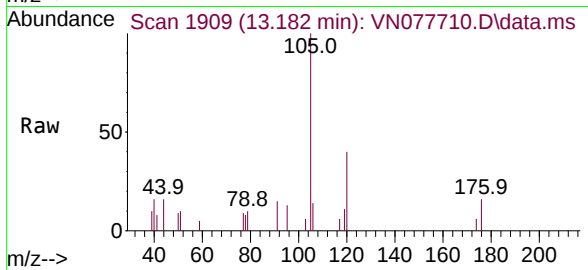
#80
1,3,5-Trimethylbenzene
Concen: 0.332 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

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

Tgt Ion:105 Resp: 569
Ion Ratio Lower Upper
105 100
120 46.4 24.1 72.3

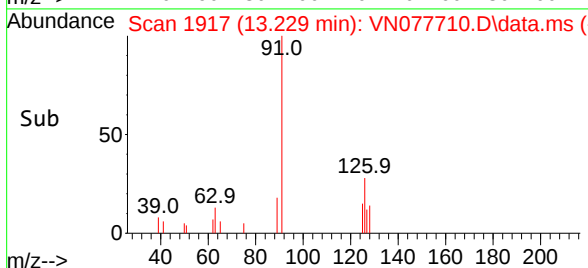
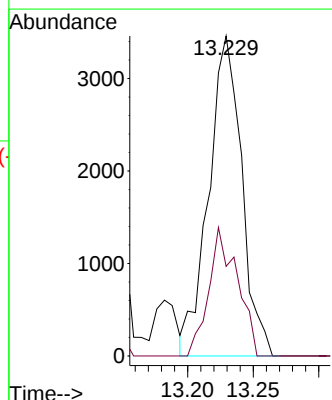
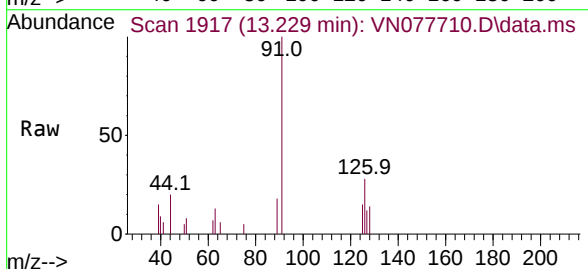
Manual Integrations
APPROVED

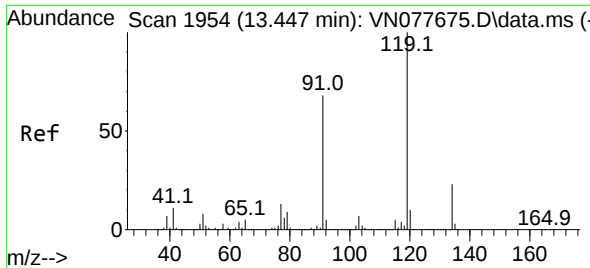
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#82
4-Chlorotoluene
Concen: 0.423 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

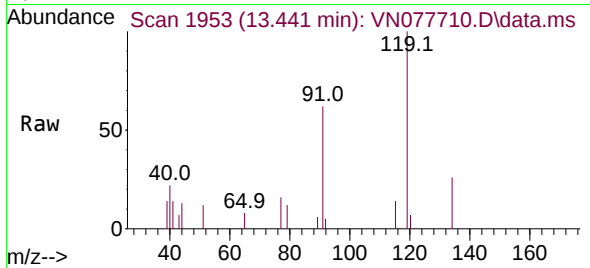
Tgt Ion: 91 Resp: 6049
Ion Ratio Lower Upper
91 100
126 34.8 16.7 50.0





#83
tert-Butylbenzene
Concen: 0.351 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

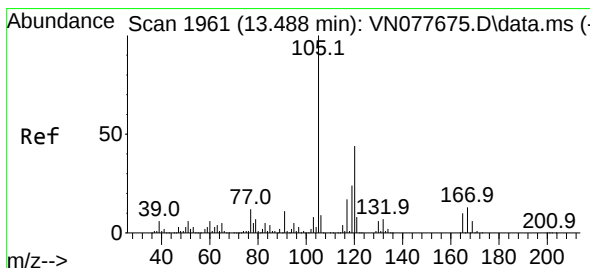
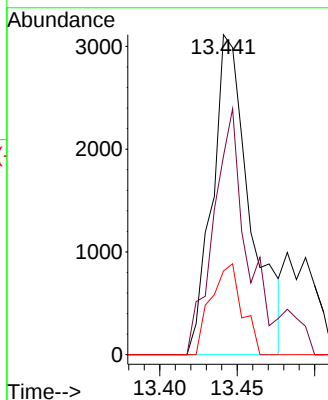
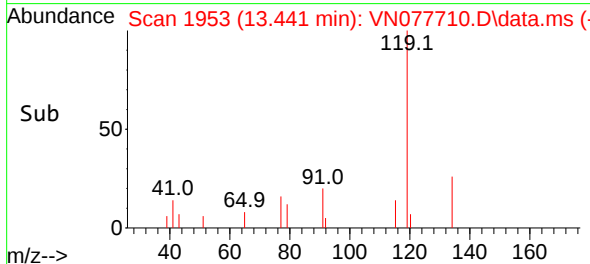
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



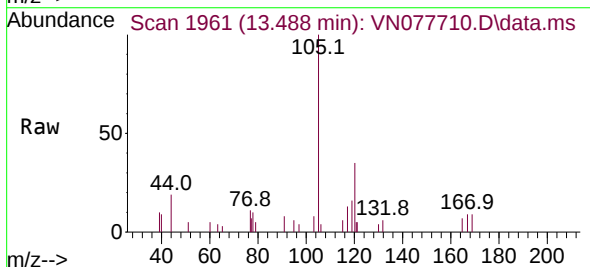
Tgt Ion:119 Resp: 526
Ion Ratio Lower Upper
119 100
91 69.1 33.9 101.7
134 23.5 13.2 39.6

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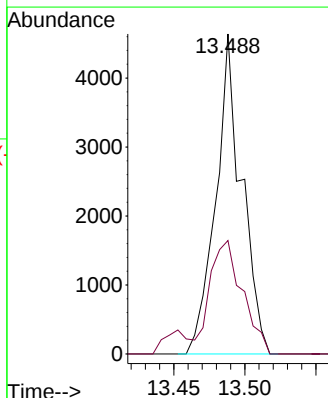
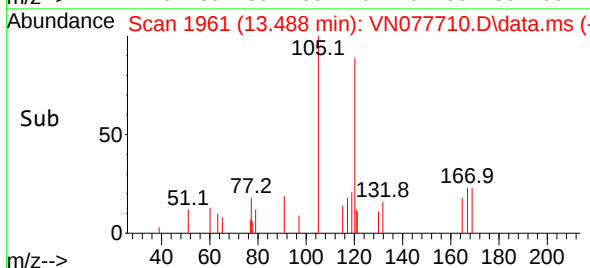
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023

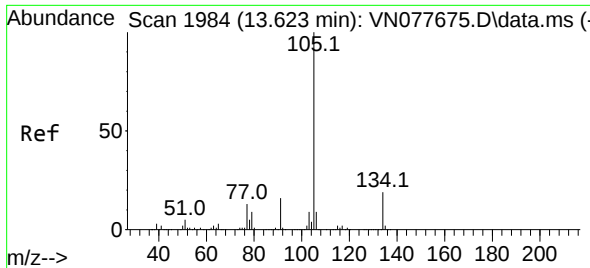


#84
1,2,4-Trimethylbenzene
Concen: 0.348 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



Tgt Ion:105 Resp: 5873
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0





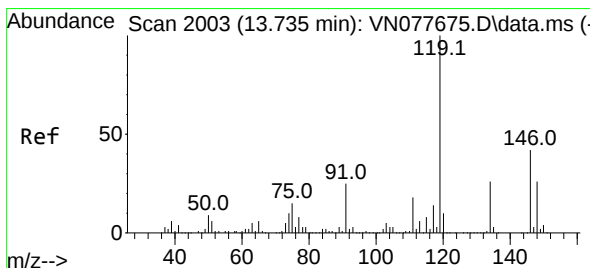
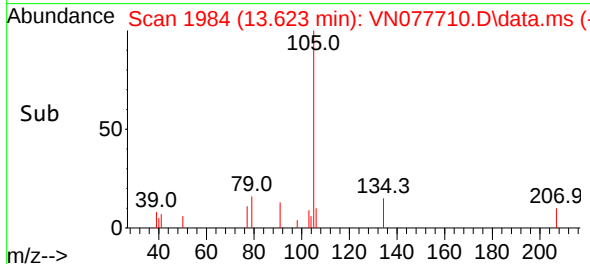
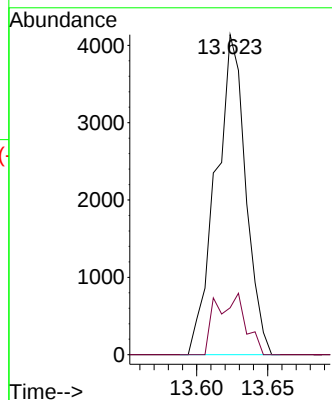
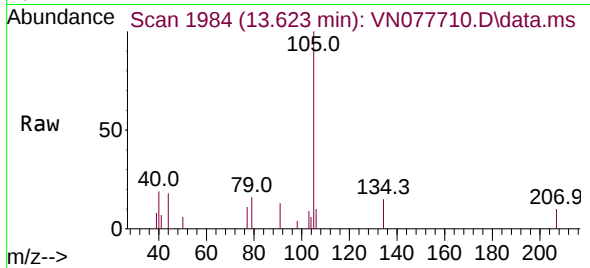
#85
 sec-Butylbenzene
 Concen: 0.284 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077710.D
 Acq: 17 May 2023 13:45

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

Tgt Ion:105 Resp: 6049
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.8 29.3

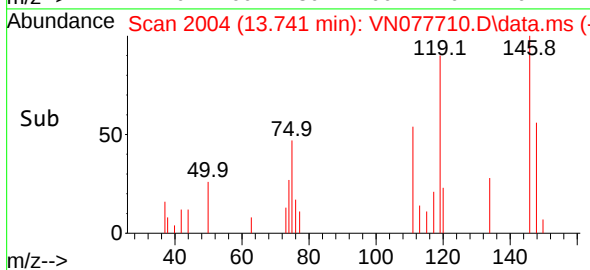
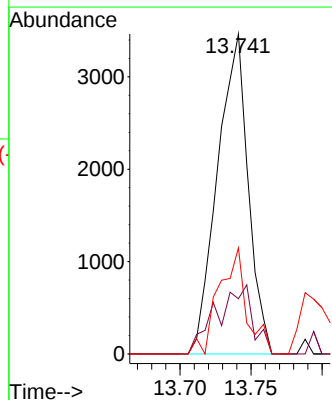
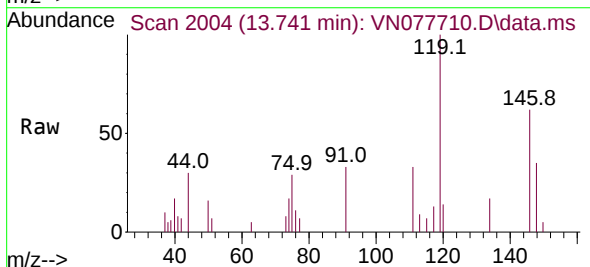
Manual Integrations
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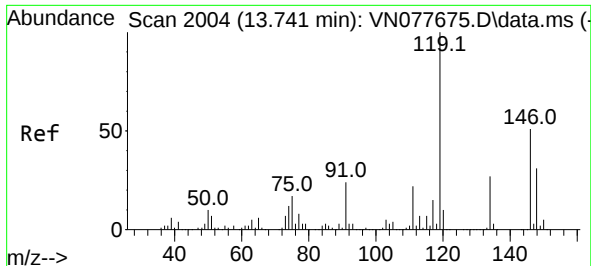
Reviewed By :John Carlone 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023



#86
 p-Isopropyltoluene
 Concen: 0.306 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: VN077710.D
 Acq: 17 May 2023 13:45

Tgt Ion:119 Resp: 5201
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 29.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.433 ug/l

RT: 13.735 min Scan# 2004

Delta R.T. -0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

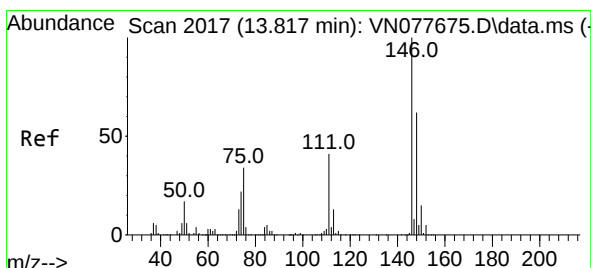
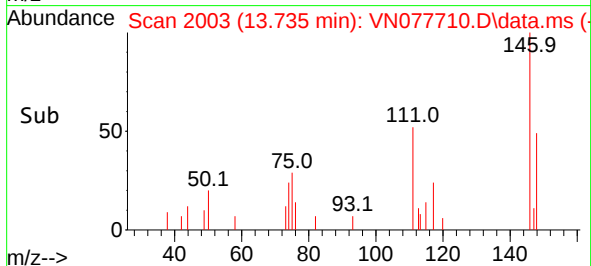
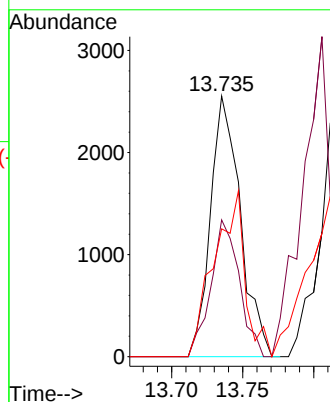
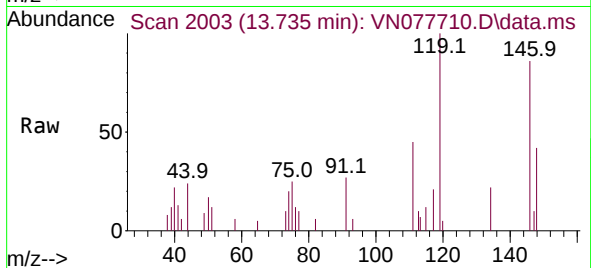
Tgt Ion:146	Resp:	373
Ion Ratio	Lower	Upper
146	100	
111	50.0	22.1 66.3
148	65.7	32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#88

1,4-Dichlorobenzene

Concen: 0.423 ug/l m

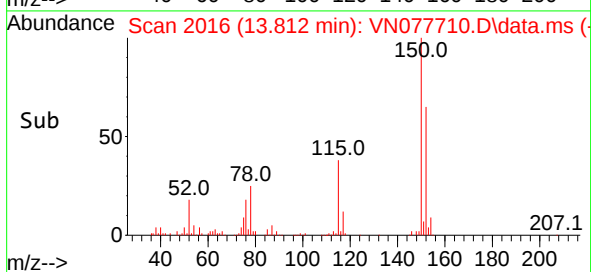
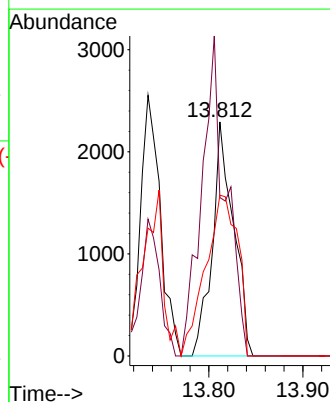
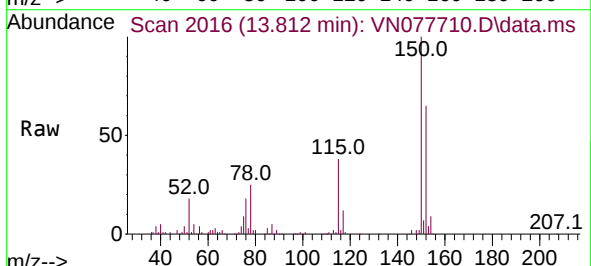
RT: 13.812 min Scan# 2016

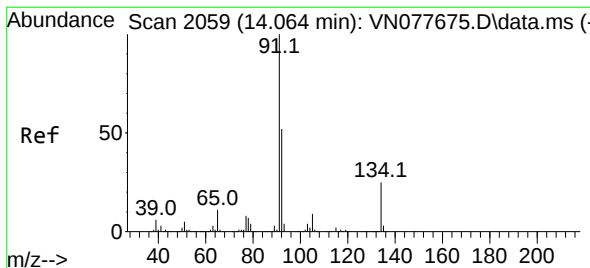
Delta R.T. -0.005 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Tgt Ion:146	Resp:	3622
Ion Ratio	Lower	Upper
146	100	
111	51.5	20.6 61.8
148	67.6	31.6 94.8





#89

n-Butylbenzene

Concen: 0.363 ug/l

RT: 14.065 min Scan# 2059

Delta R.T. 0.001 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

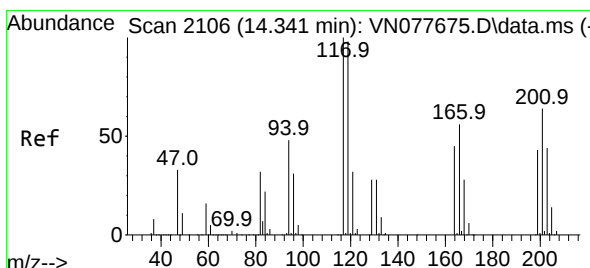
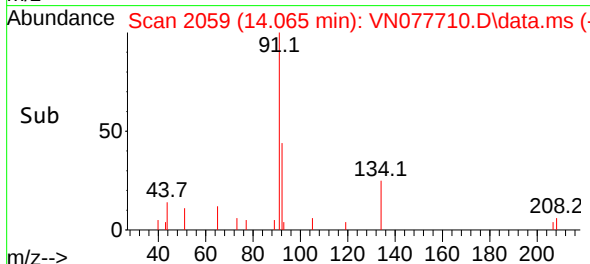
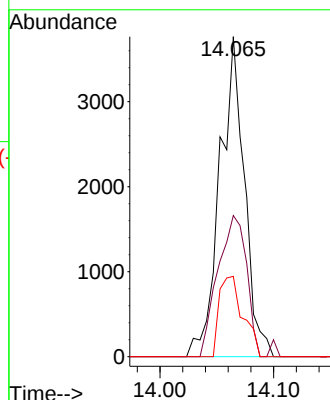
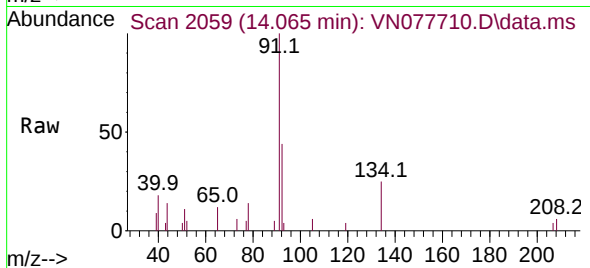
Tgt Ion:	91	Resp:	5678
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.4	79.0
134	24.2	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#90

Hexachloroethane

Concen: 0.262 ug/l

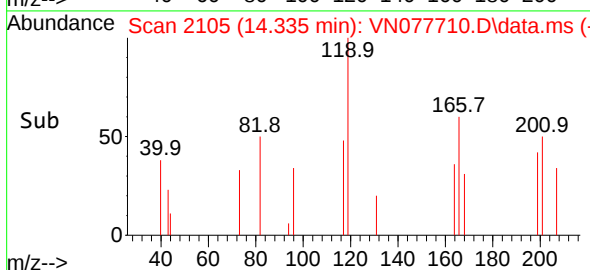
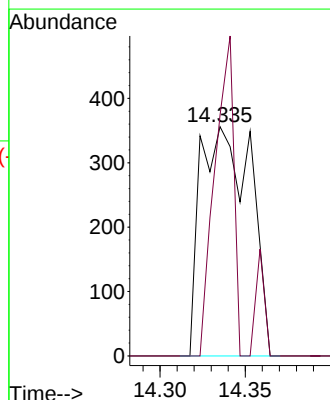
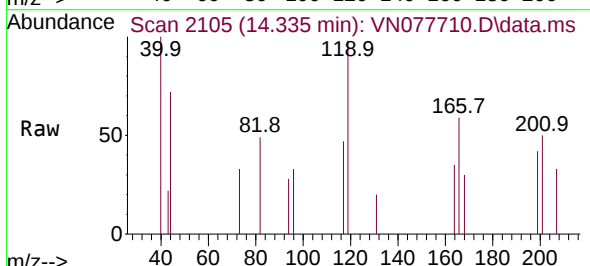
RT: 14.335 min Scan# 2105

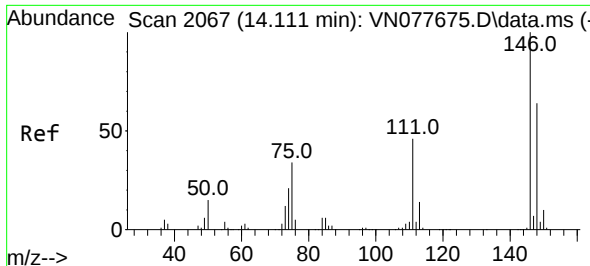
Delta R.T. -0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Tgt Ion:	117	Resp:	730
Ion Ratio	Lower	Upper	
117	100		
201	52.5	29.3	88.0





#91

1,2-Dichlorobenzene

Concen: 0.408 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.005 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

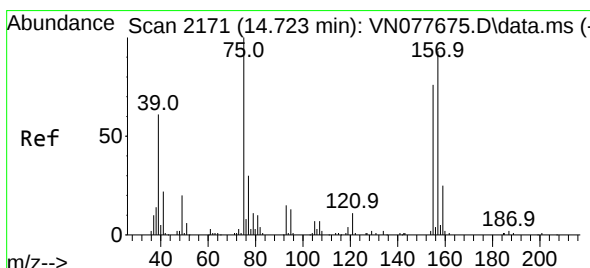
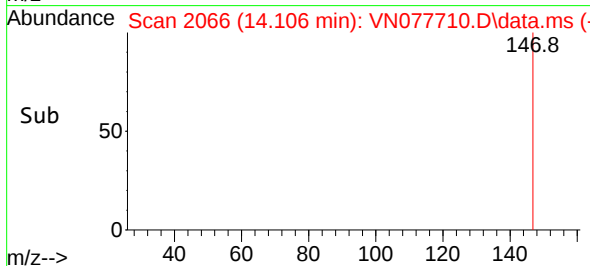
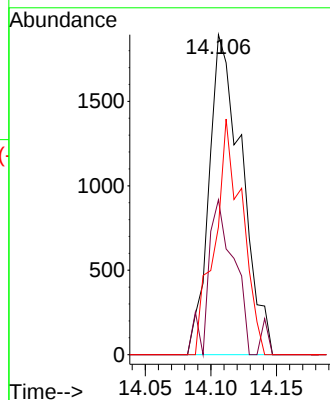
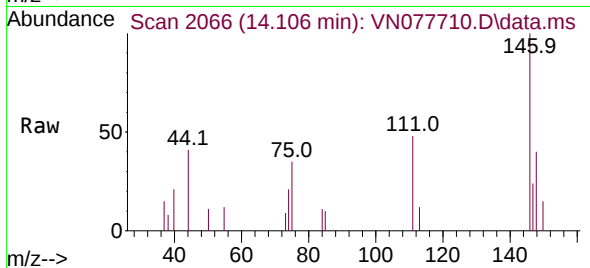
Tgt Ion:	146	Resp:	328
Ion Ratio	Lower	Upper	
146	100		
111	38.3	22.0	66.0
148	61.4	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/18/2023

Supervised By :Mahesh Dadoda 05/18/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.502 ug/l

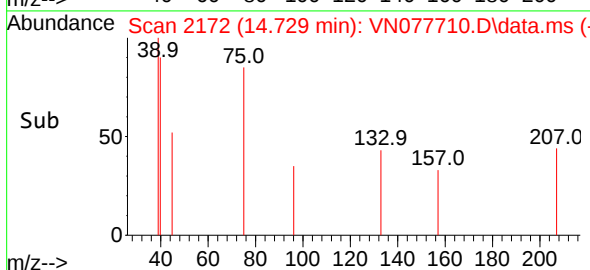
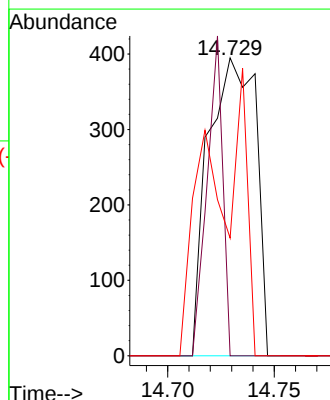
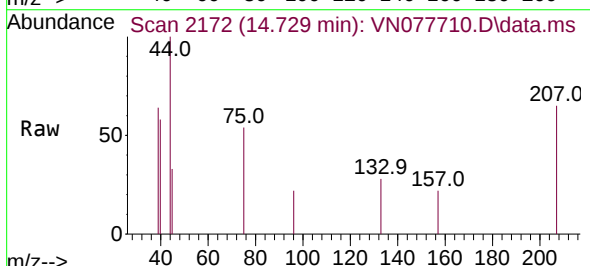
RT: 14.729 min Scan# 2172

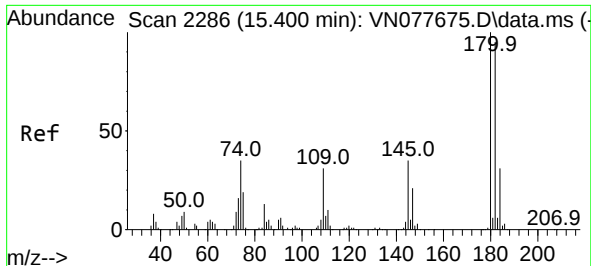
Delta R.T. 0.006 min

Lab File: VN077710.D

Acq: 17 May 2023 13:45

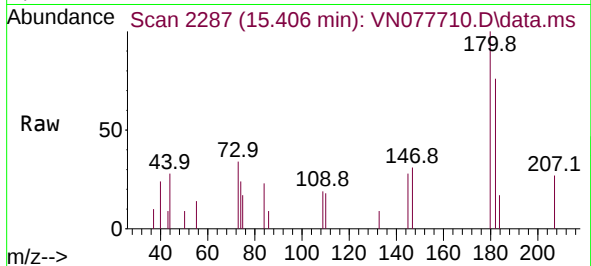
Tgt Ion:	75	Resp:	611
Ion Ratio	Lower	Upper	
75	100		
155	35.5	39.1	117.2#
157	72.3	50.3	150.9





#93
1,2,4-Trichlorobenzene
Concen: 0.560 ug/l
RT: 15.406 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

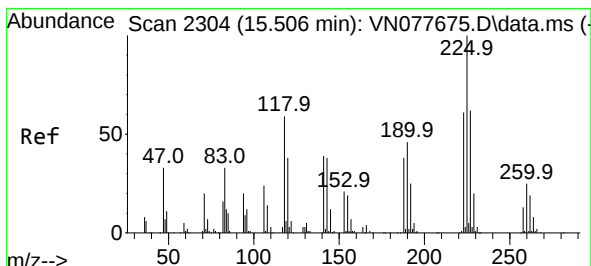
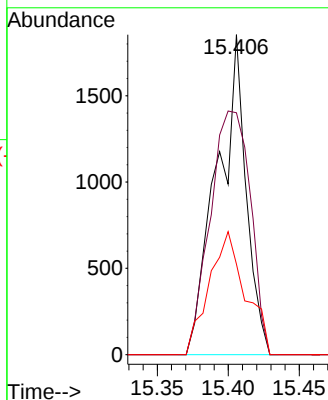
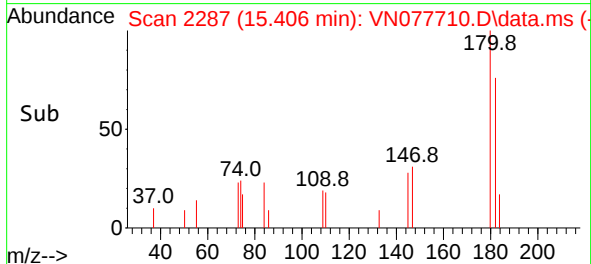
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2023



Tgt Ion:180 Resp: 263
Ion Ratio Lower Upper
180 100
182 105.2 46.1 138.2
145 48.1 16.6 49.8

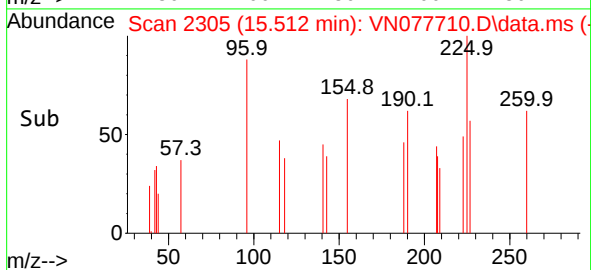
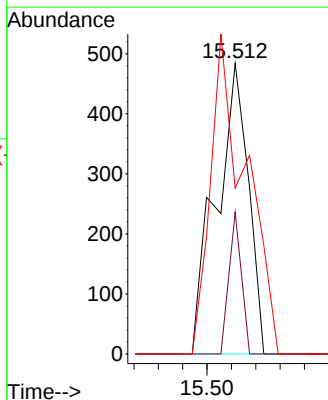
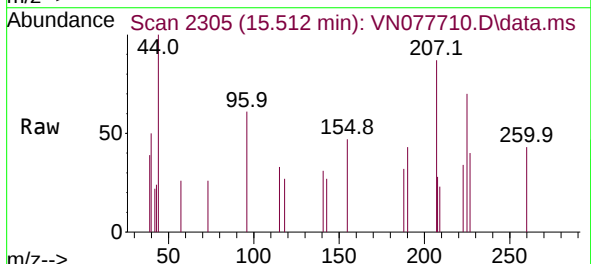
Manual Integrations
APPROVED

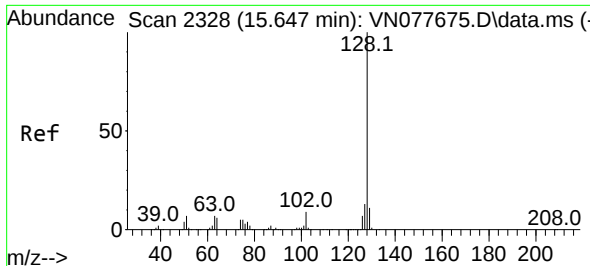
Reviewed By :John Carlone 05/18/2023
Supervised By :Mahesh Dadoda 05/18/2023



#94
Hexachlorobutadiene
Concen: 0.227 ug/l
RT: 15.512 min Scan# 2305
Delta R.T. 0.006 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

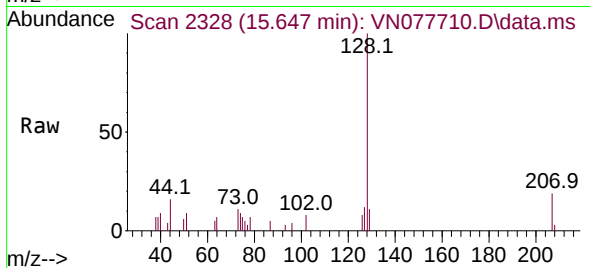
Tgt Ion:225 Resp: 444
Ion Ratio Lower Upper
225 100
223 18.7 31.3 93.8#
227 120.5 31.9 95.9#





#95
Naphthalene
Concen: 0.560 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45

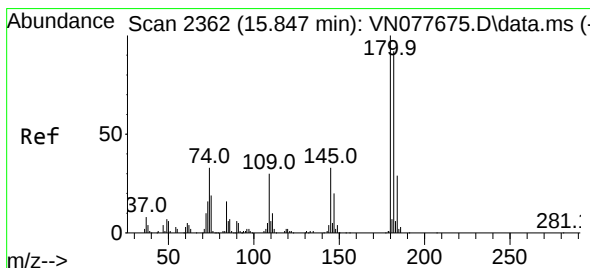
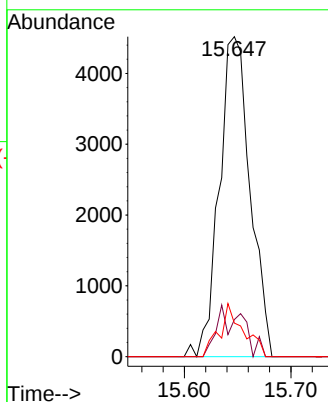
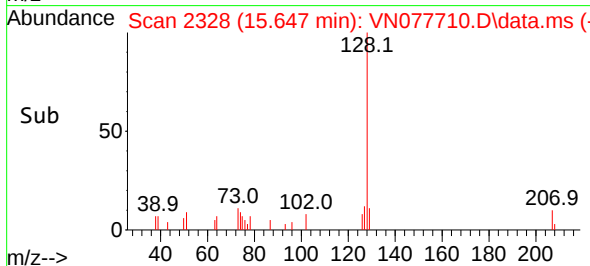
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2023



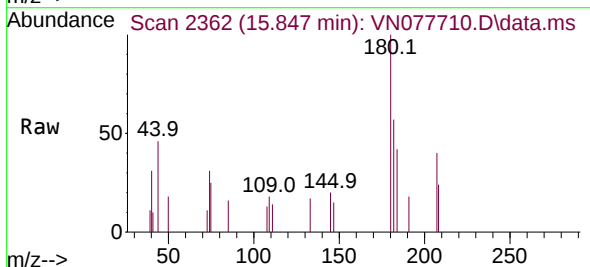
Tgt Ion:128 Resp: 908
Ion Ratio Lower Upper
128 100
127 6.0 10.0 15.0
129 12.8 8.7 13.1

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 0.552 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN077710.D
Acq: 17 May 2023 13:45



Tgt Ion:180 Resp: 2546
Ion Ratio Lower Upper
180 100
182 94.5 46.2 138.6
145 24.7 17.5 52.6

