

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078479.D
 Acq On : 12 Jul 2023 14:04
 Operator : JC\MD
 Sample : 03572-09 .5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 13 04:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 04:30:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	475960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	835119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	702722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	362685	56.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.680%			
35) Dibromofluoromethane	8.177	113	311181	54.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.780%			
50) Toluene-d8	10.576	98	1115894	52.106	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.220%			
62) 4-Bromofluorobenzene	12.859	95	314826	47.726	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	3211	0.550	ug/l	98
3) Chloromethane	2.371	50	3837	0.605	ug/l	88
4) Vinyl Chloride	2.524	62	5499	0.670	ug/l	96
5) Bromomethane	2.965	94	6342	1.082	ug/l #	67
6) Chloroethane	3.142	64	6330	1.141	ug/l #	61
7) Trichlorofluoromethane	3.495	101	5701	0.581	ug/l #	76
8) Diethyl Ether	3.971	74	1909	0.584	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	2754	0.530	ug/l #	84
10) Methyl Iodide	4.606	142	2494	0.350	ug/l #	74
11) Tert butyl alcohol	5.524	59	2807	2.853	ug/l #	78
12) 1,1-Dichloroethene	4.342	96	1259	0.251	ug/l #	48
13) Acrolein	4.200	56	2471	2.553	ug/l #	81
14) Allyl chloride	5.042	41	3316	0.483	ug/l #	87
15) Acrylonitrile	5.736	53	6485	2.609	ug/l #	90
16) Acetone	4.459	43	6421	3.231	ug/l #	68
17) Carbon Disulfide	4.712	76	8585	0.591	ug/l	98
18) Methyl Acetate	5.047	43	3122	0.371	ug/l #	51
19) Methyl tert-butyl Ether	5.812	73	7979	0.482	ug/l #	85
20) Methylene Chloride	5.277	84	5421m	0.845	ug/l	
21) trans-1,2-Dichloroethene	5.789	96	1451	0.256	ug/l #	32
22) Diisopropyl ether	6.683	45	6937	0.451	ug/l #	73
23) Vinyl Acetate	6.624	43	20722	2.121	ug/l #	80
24) 1,1-Dichloroethane	6.583	63	6105	0.590	ug/l #	81
25) 2-Butanone	7.506	43	9606	3.070	ug/l #	72
26) 2,2-Dichloropropane	7.494	77	4619	0.545	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	3670	0.561	ug/l	96
28) Bromochloromethane	7.818	49	1882	0.386	ug/l #	88
29) Tetrahydrofuran	7.853	42	4721	2.300	ug/l #	78
30) Chloroform	7.977	83	6317	0.586	ug/l	92
31) Cyclohexane	8.230	56	15209	1.764	ug/l #	43
32) 1,1,1-Trichloroethane	8.165	97	5003	0.518	ug/l #	44
36) 1,1-Dichloropropene	8.388	75	4375	0.534	ug/l #	79
37) Ethyl Acetate	7.577	43	3961	0.580	ug/l #	79
38) Carbon Tetrachloride	8.365	117	5229	0.588	ug/l #	78
39) Methylcyclohexane	9.606	83	3948	0.528	ug/l #	90
40) Benzene	8.618	78	11578	0.477	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	1631	0.469	ug/l #	45
42) 1,2-Dichloroethane	8.682	62	5576	0.676	ug/l	93
43) Isopropyl Acetate	8.694	43	5099	0.454	ug/l #	93
44) Trichloroethene	9.359	130	3488	0.534	ug/l	94
45) 1,2-Dichloropropane	9.629	63	3070	0.500	ug/l #	25
46) Dibromomethane	9.729	93	2113	0.489	ug/l	94
47) Bromodichloromethane	9.888	83	4438	0.512	ug/l #	91
48) Methyl methacrylate	9.694	41	2853	0.548	ug/l	88
49) 1,4-Dioxane	9.706	88	908	8.000	ug/l #	68
51) 4-Methyl-2-Pentanone	10.459	43	15316	2.292	ug/l	91
52) Toluene	10.635	92	8223	0.547	ug/l	86
53) t-1,3-Dichloropropene	10.841	75	4224	0.476	ug/l #	87
54) cis-1,3-Dichloropropene	10.318	75	4183	0.442	ug/l #	88
55) 1,1,2-Trichloroethane	11.023	97	3378	0.570	ug/l #	80
56) Ethyl methacrylate	10.876	69	3597	0.435	ug/l #	62
57) 1,3-Dichloropropane	11.171	76	4794	0.476	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.171	63	5464	1.852	ug/l	97
59) 2-Hexanone	11.206	43	10840	2.283	ug/l	100
60) Dibromochloromethane	11.365	129	3226	0.493	ug/l	99
61) 1,2-Dibromoethane	11.470	107	2817	0.462	ug/l	93
64) Tetrachloroethene	11.112	164	2894	0.548	ug/l #	71
65) Chlorobenzene	11.894	112	8810	0.561	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.970	131	2833	0.469	ug/l #	58
67) Ethyl Benzene	11.965	91	11919	0.449	ug/l #	88
68) m/p-Xylenes	12.082	106	9502	0.968	ug/l	86
69) o-Xylene	12.400	106	4867	0.491	ug/l	92
70) Styrene	12.417	104	6778	0.437	ug/l	93
71) Bromoform	12.588	173	1995	0.487	ug/l #	94
73) Isopropylbenzene	12.700	105	10079	0.509	ug/l	96
74) N-amyl acetate	12.500	43	3963	0.581	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.947	83	3855	0.576	ug/l	72
76) 1,2,3-Trichloropropane	13.000	75	3409m	0.669	ug/l	
77) Bromobenzene	12.982	156	2633	0.541	ug/l	81
78) n-propylbenzene	13.041	91	11343	0.535	ug/l	89
79) 2-Chlorotoluene	13.135	91	7498	0.540	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	7799	0.498	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.765	75	953m	0.491	ug/l	
82) 4-Chlorotoluene	13.223	91	6056	0.468	ug/l	99
83) tert-Butylbenzene	13.441	119	6977	0.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	6553	0.431	ug/l	99
85) sec-Butylbenzene	13.617	105	9104	0.542	ug/l	94
86) p-Isopropyltoluene	13.735	119	6465	0.479	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	3730	0.491	ug/l	97
88) 1,4-Dichlorobenzene	13.741	146	3730	0.487	ug/l	97
89) n-Butylbenzene	14.070	91	4440	0.460	ug/l	91
90) Hexachloroethane	14.335	117	1672	0.587	ug/l	93
91) 1,2-Dichlorobenzene	14.111	146	3902	0.516	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.735	75	757	0.687	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.394	180	769	0.318	ug/l #	77
94) Hexachlorobutadiene	15.511	225	1319	0.835	ug/l	70
95) Naphthalene	15.641	128	4006	0.485	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1805	0.650	ug/l	92

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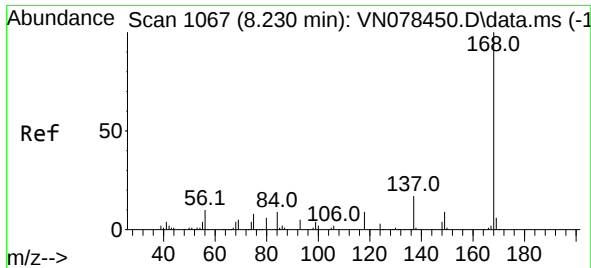
Manual Integrations
APPROVED

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 Supervised By :Mahesh Dadoda 07/13/2023

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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



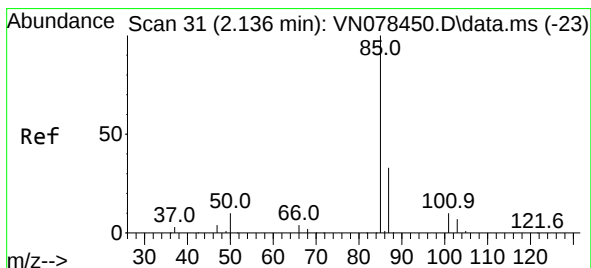
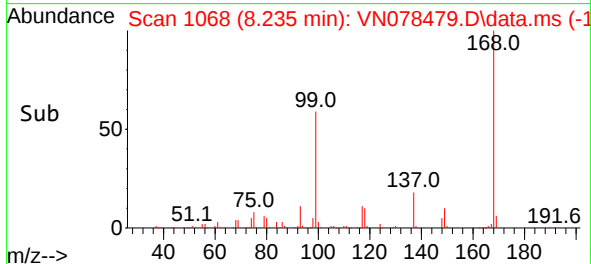
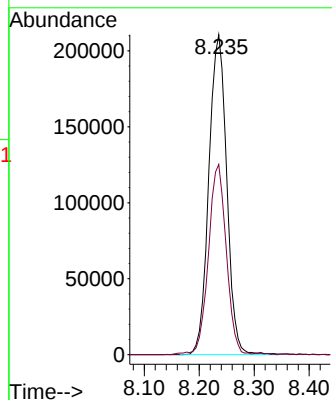
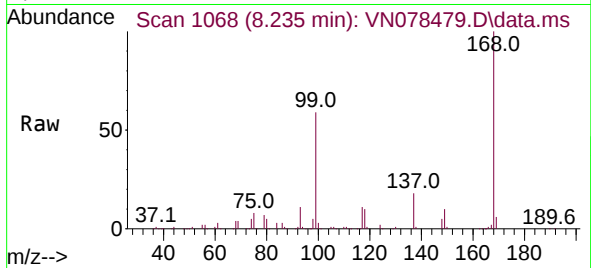
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:168 Resp: 475960
Ion Ratio Lower Upper
168 100
99 59.3 53.0 79.6

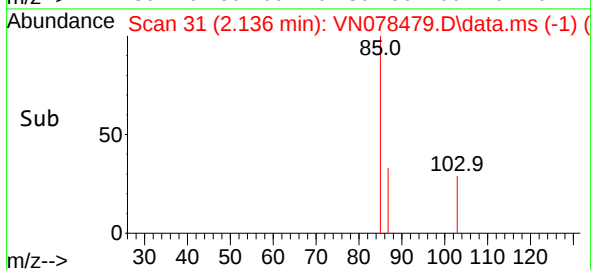
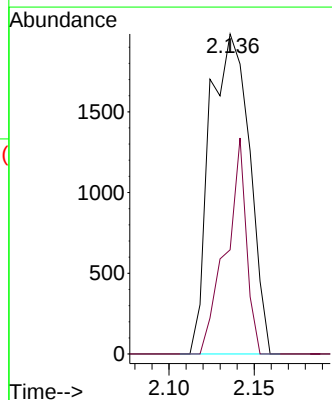
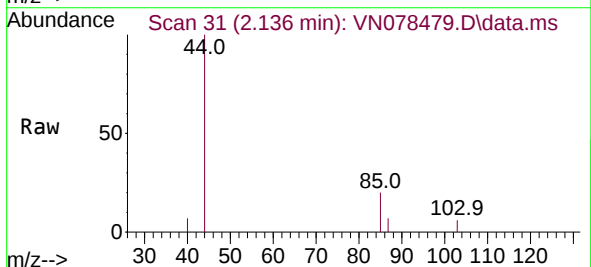
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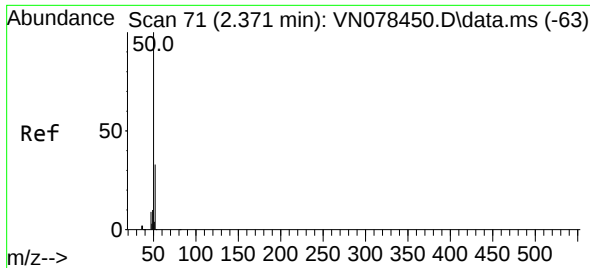
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#2
Dichlorodifluoromethane
Concen: 0.550 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

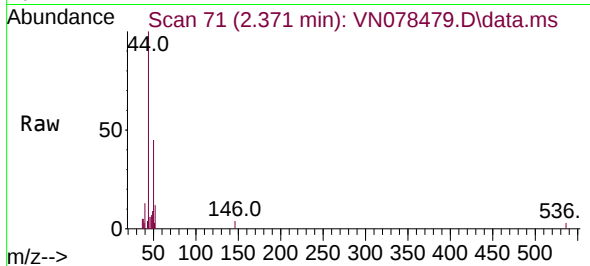
Tgt Ion: 85 Resp: 3211
Ion Ratio Lower Upper
85 100
87 32.5 15.8 47.4





#3
Chloromethane
Concen: 0.605 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

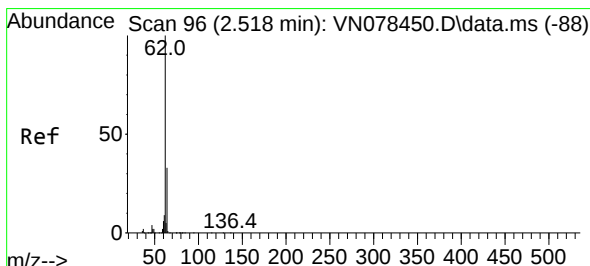
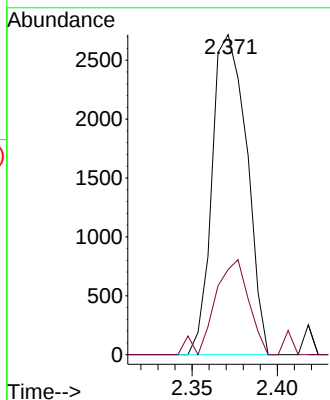
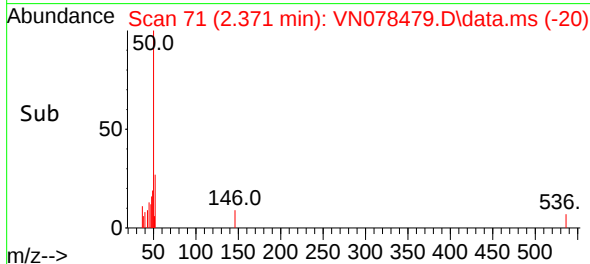
Instrument :
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MDL-WATER-03-QT3-2023



Tgt Ion: 50 Resp: 383
Ion Ratio Lower Upper
50 100
52 26.6 26.5 39.7

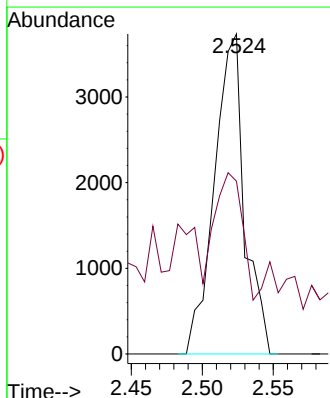
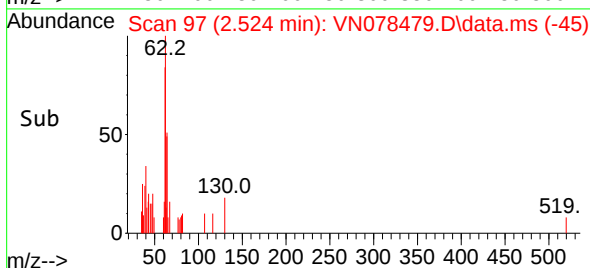
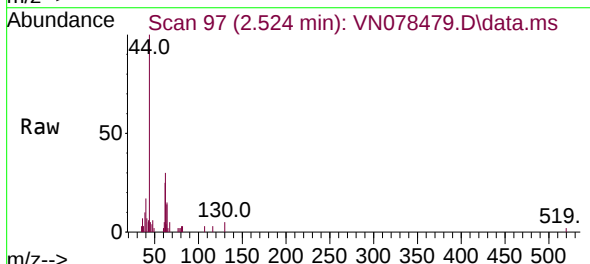
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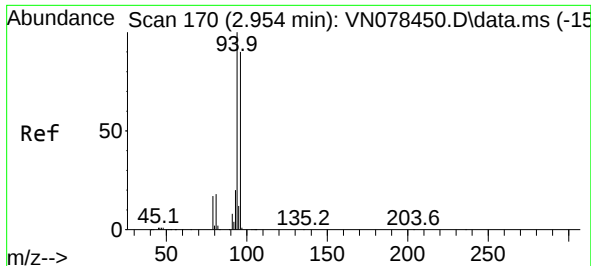
Reviewed By :John Carlone 07/13/2023
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#4
Vinyl Chloride
Concen: 0.670 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 62 Resp: 5499
Ion Ratio Lower Upper
62 100
64 34.9 26.2 39.2





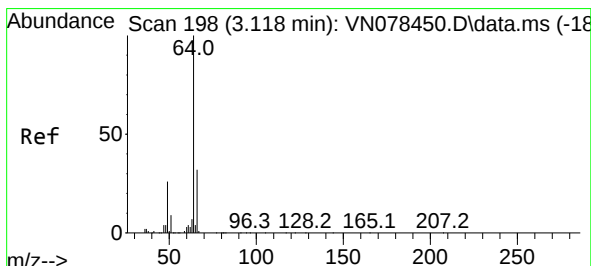
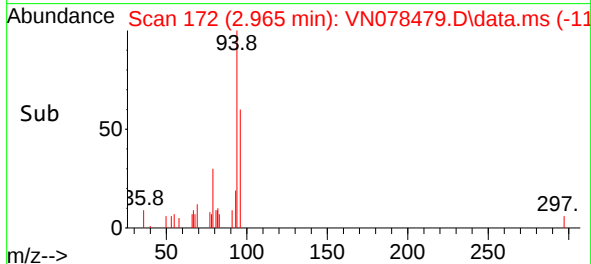
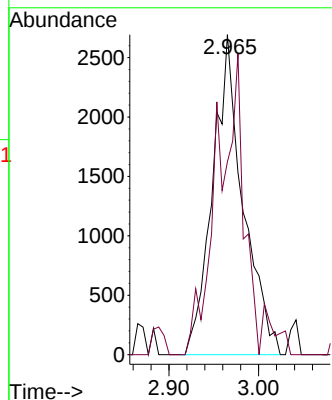
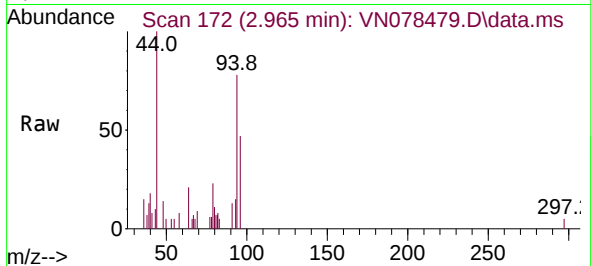
#5
Bromomethane
Concen: 1.082 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078479.D
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Tgt Ion: 94 Resp: 6342
Ion Ratio Lower Upper
94 100
96 60.2 73.1 109.7

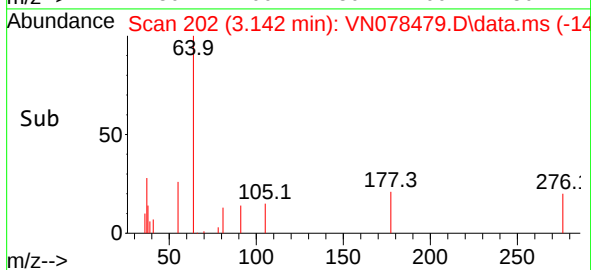
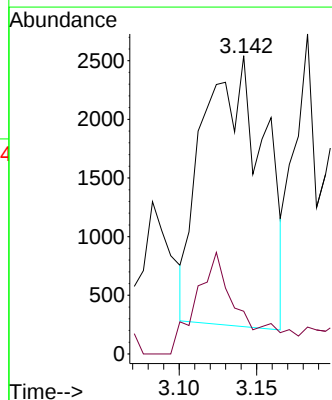
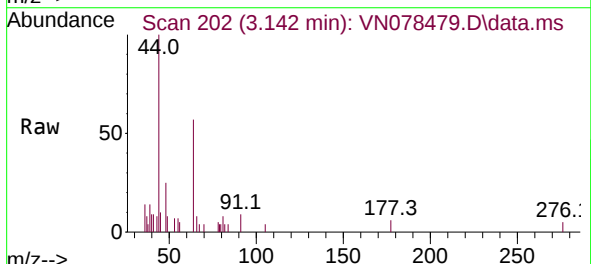
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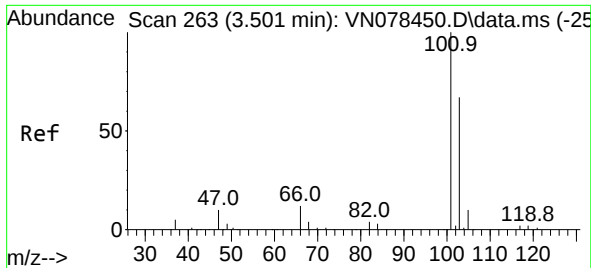
Reviewed By :John Carlone 07/13/2023
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#6
Chloroethane
Concen: 1.141 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

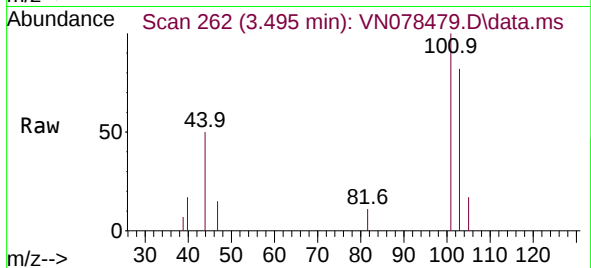
Tgt Ion: 64 Resp: 6330
Ion Ratio Lower Upper
64 100
66 10.2 25.4 38.2





#7
Trichlorofluoromethane
Concen: 0.581 ug/l
RT: 3.495 min Scan# 262
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

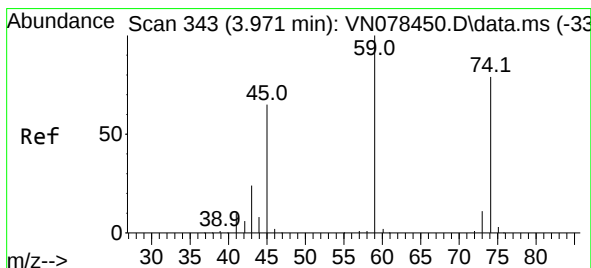
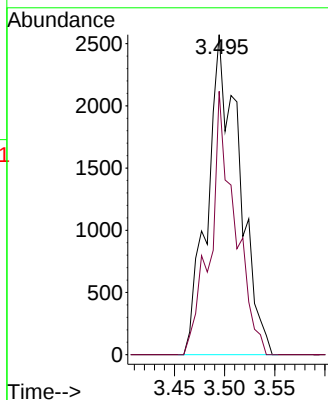
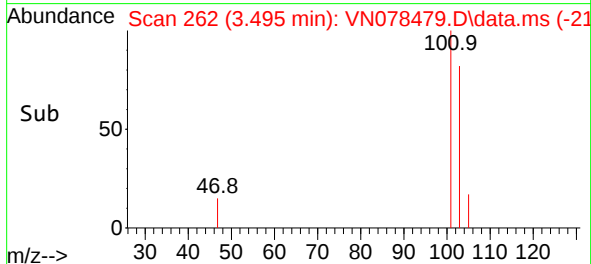
Instrument :
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MDL-WATER-03-QT3-2023



Tgt Ion:101 Resp: 570
Ion Ratio Lower Upper
101 100
103 82.3 50.7 76.1

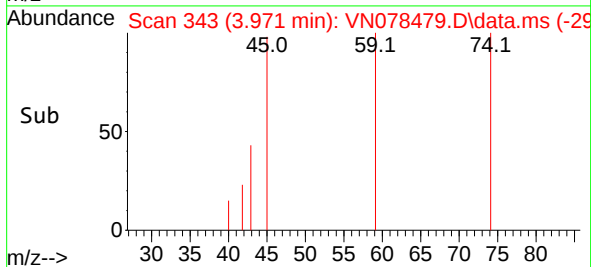
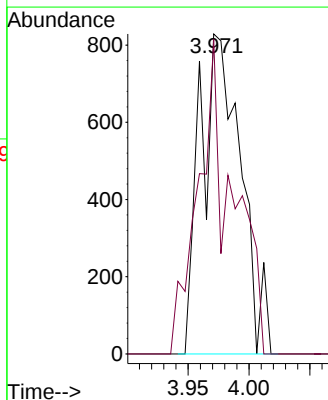
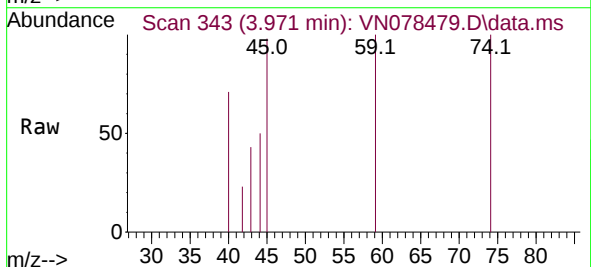
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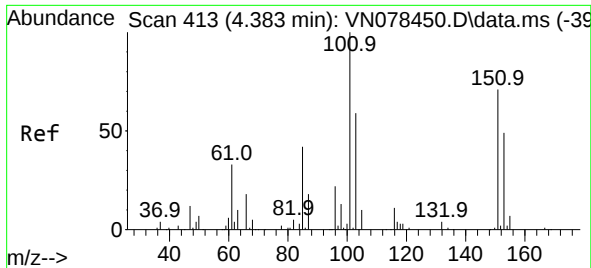
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#8
Diethyl Ether
Concen: 0.584 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 74 Resp: 1909
Ion Ratio Lower Upper
74 100
45 65.5 34.4 103.3





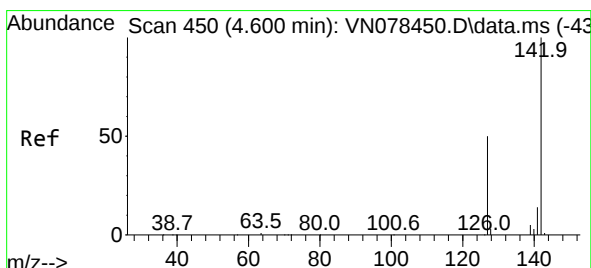
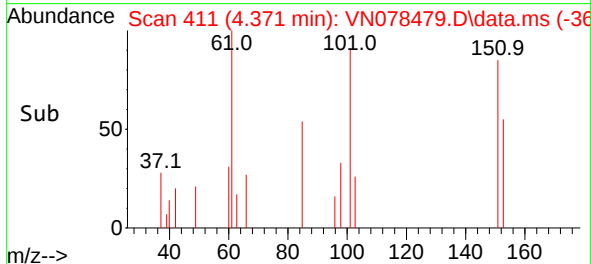
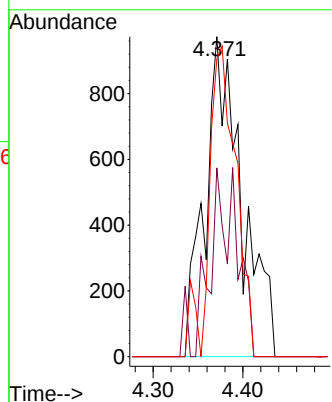
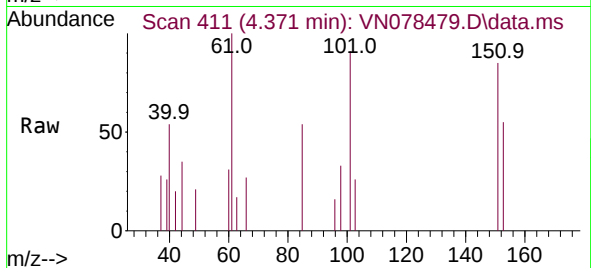
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.530 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:101 Resp: 2754
Ion Ratio Lower Upper
101 100
85 25.1 36.6 55.0
151 66.6 57.6 86.4

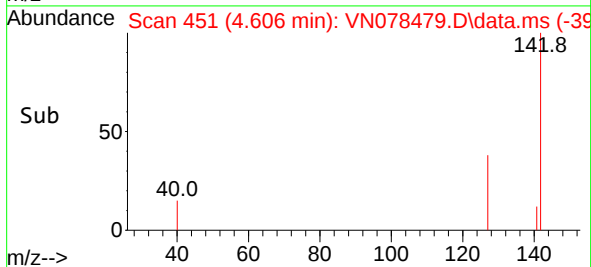
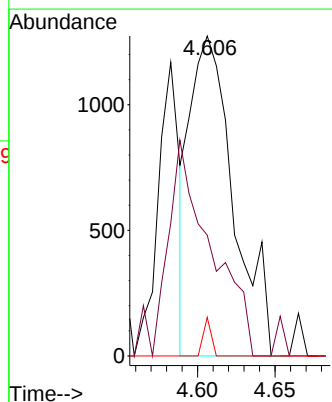
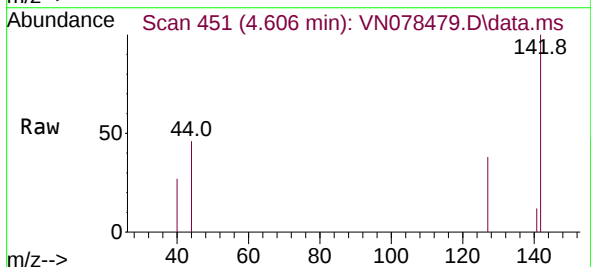
Manual Integrations
APPROVED

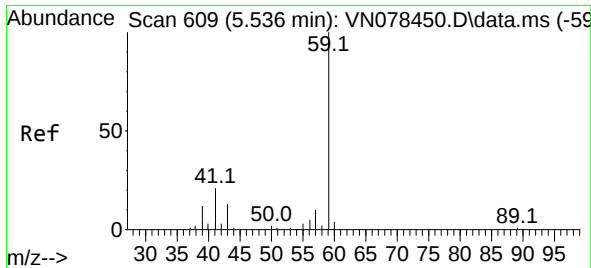
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#10
Methyl Iodide
Concen: 0.350 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

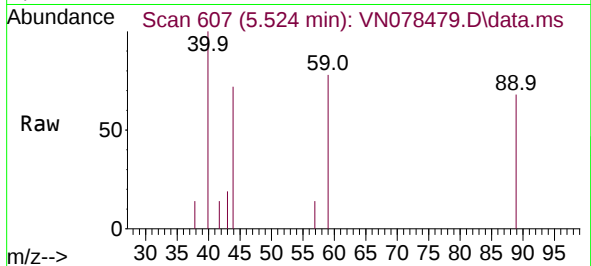
Tgt Ion:142 Resp: 2494
Ion Ratio Lower Upper
142 100
127 25.4 37.6 56.4
141 12.1 11.4 17.0





#11
Tert butyl alcohol
Concen: 2.853 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

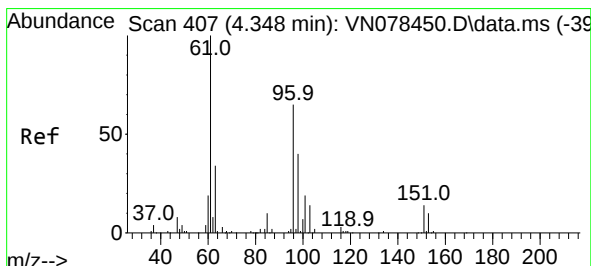
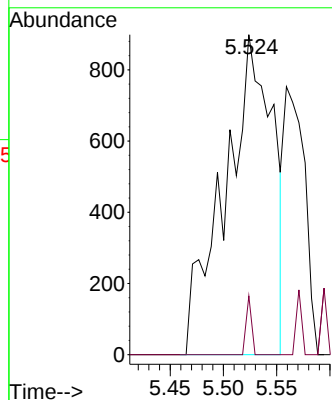
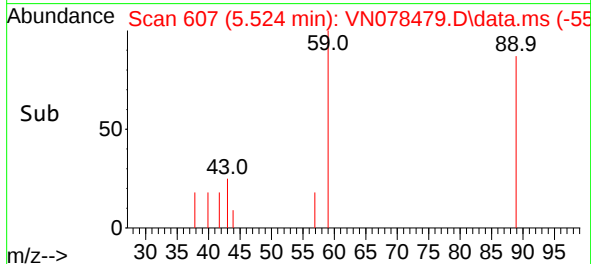
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



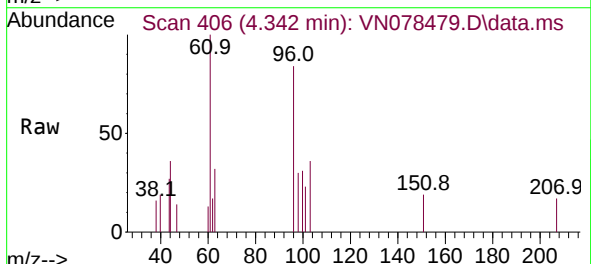
Tgt Ion: 59 Resp: 280
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.4

Manual Integrations
APPROVED

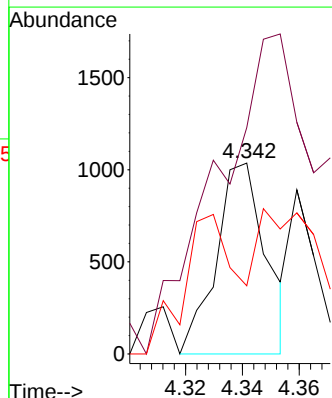
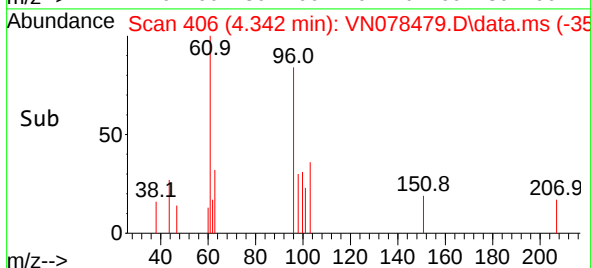
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

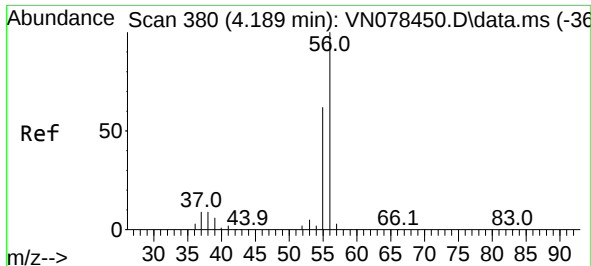


#12
1,1-Dichloroethene
Concen: 0.251 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



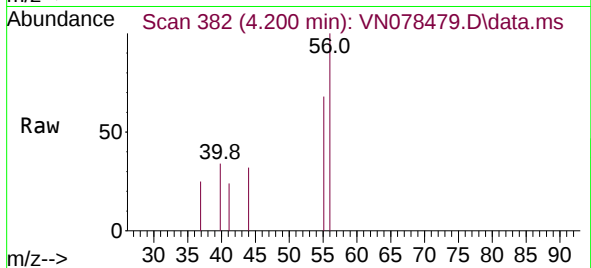
Tgt Ion: 96 Resp: 1259
Ion Ratio Lower Upper
96 100
61 80.2 112.7 169.1#
98 20.5 51.2 76.8#





#13
Acrolein
Concen: 2.553 ug/l
RT: 4.200 min Scan# 380
Delta R.T. 0.011 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

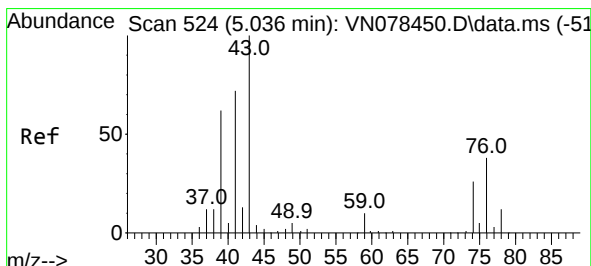
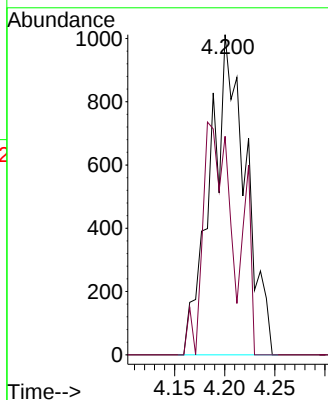
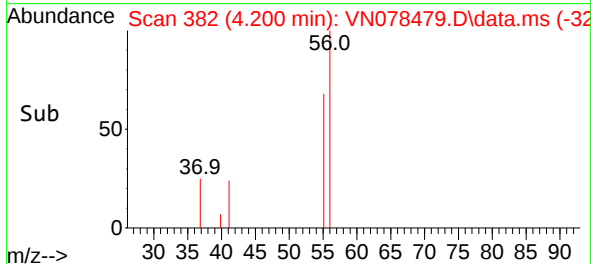
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 53.0 54.5 81.7

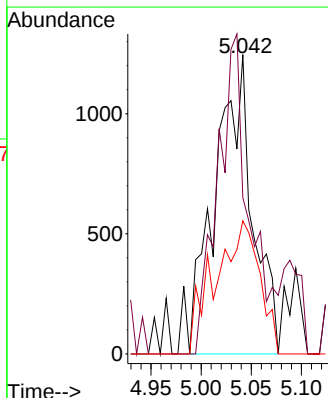
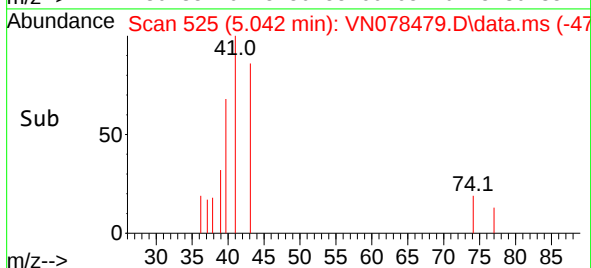
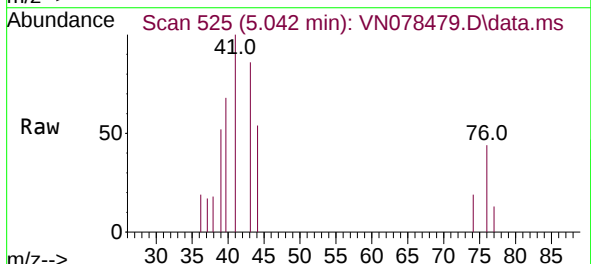
Manual Integrations
APPROVED

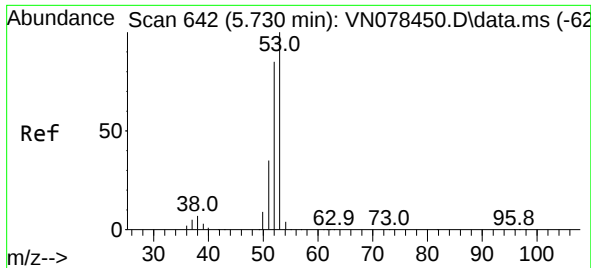
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#14
Allyl chloride
Concen: 0.483 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

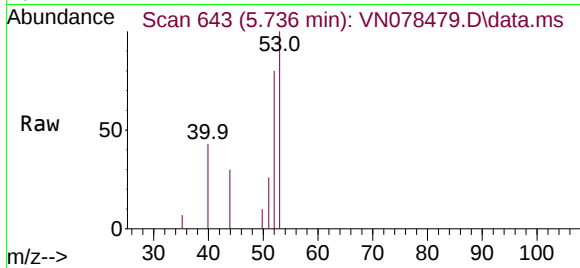
Tgt Ion: 41 Resp: 3316
Ion Ratio Lower Upper
41 100
39 89.4 58.8 88.2#
76 51.3 39.1 58.7





#15
Acrylonitrile
Concen: 2.609 ug/l
RT: 5.736 min Scan# 642
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

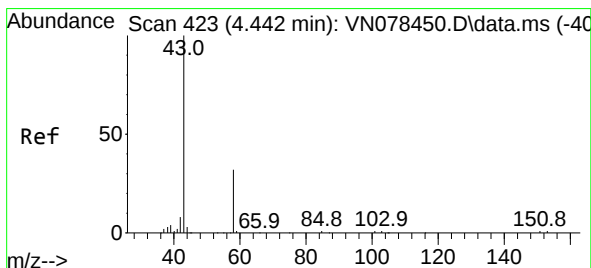
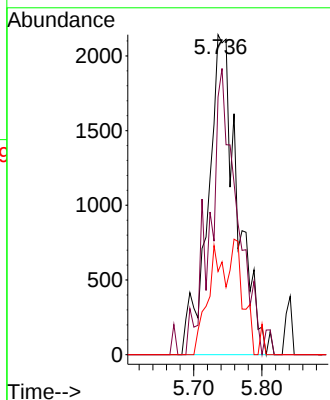
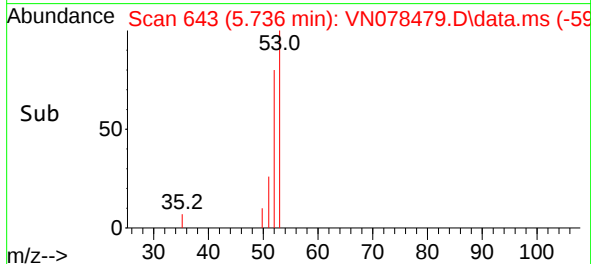
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 53 Resp: 6485
Ion Ratio Lower Upper
53 100
52 80.4 65.3 97.9
51 19.2 28.9 43.3

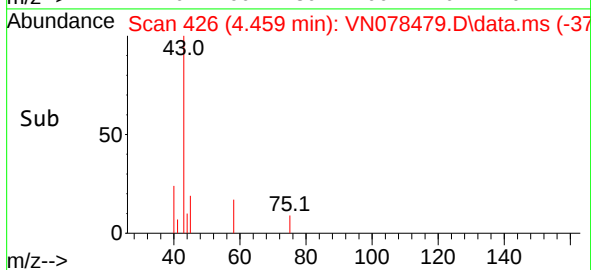
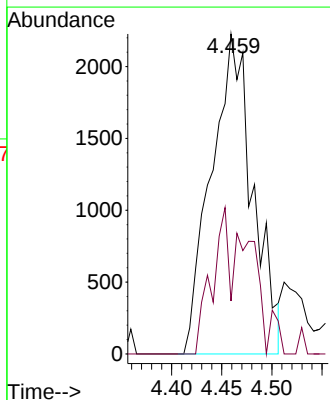
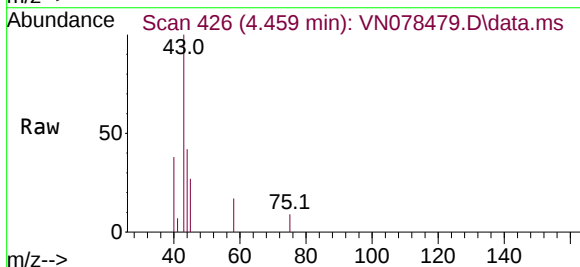
Manual Integrations
APPROVED

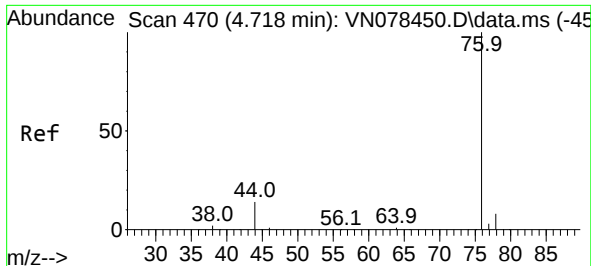
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#16
Acetone
Concen: 3.231 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 43 Resp: 6421
Ion Ratio Lower Upper
43 100
58 16.5 28.0 42.0





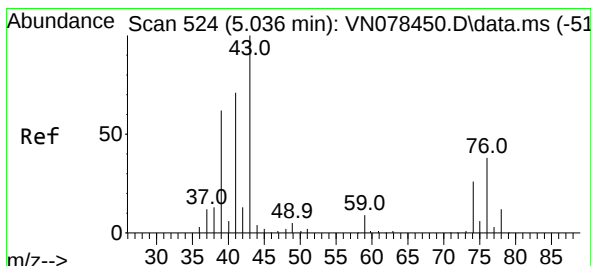
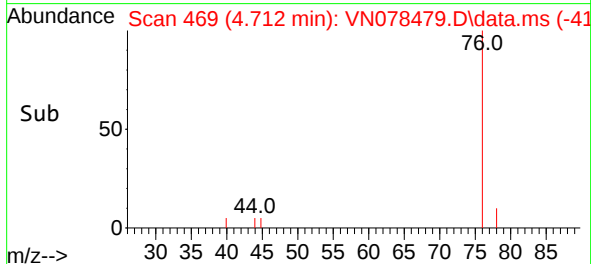
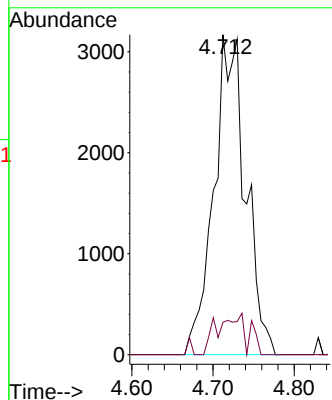
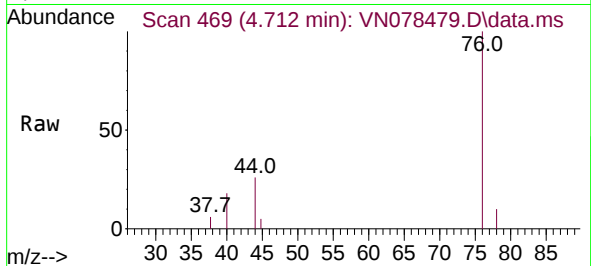
#17
Carbon Disulfide
Concen: 0.591 ug/l
RT: 4.712 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 858
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0

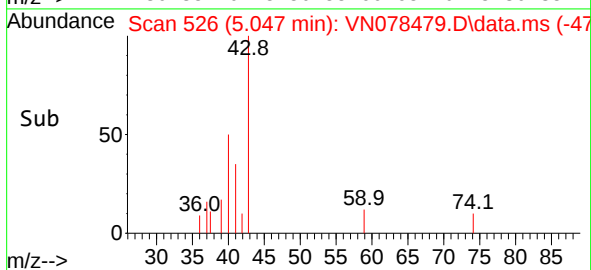
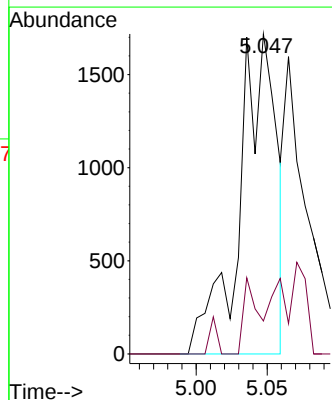
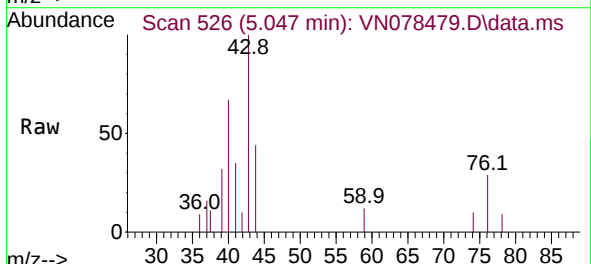
Manual Integrations
APPROVED

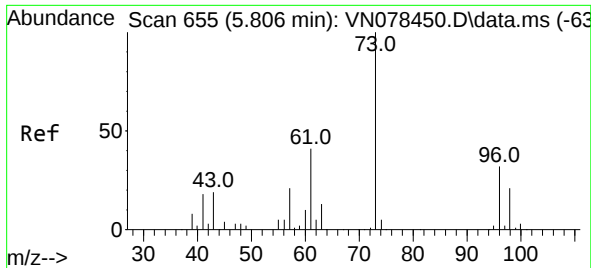
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#18
Methyl Acetate
Concen: 0.371 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.011 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

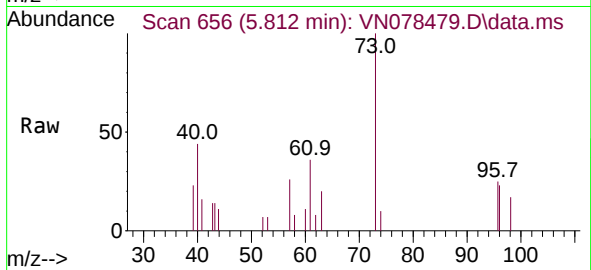
Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
74 5.1 26.2 39.4#





#19
Methyl tert-butyl Ether
Concen: 0.482 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

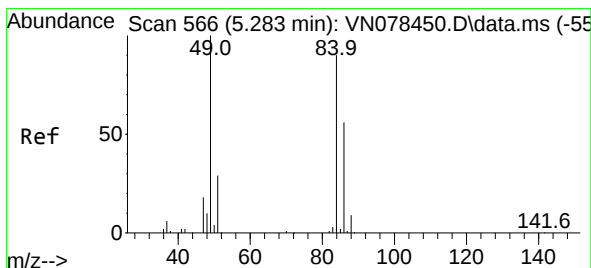
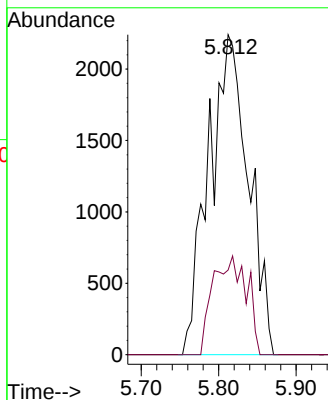
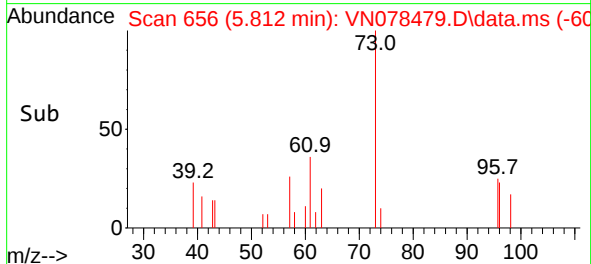
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 73 Resp: 7979
Ion Ratio Lower Upper
73 100
57 26.5 15.6 23.4

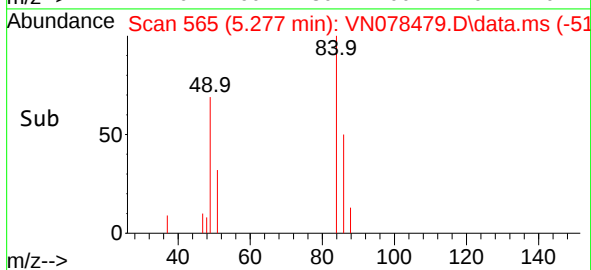
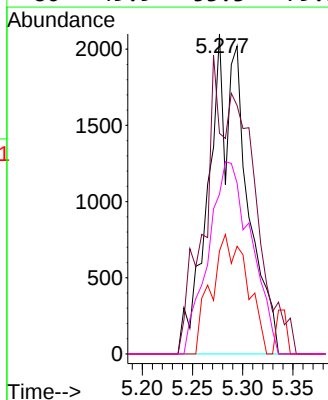
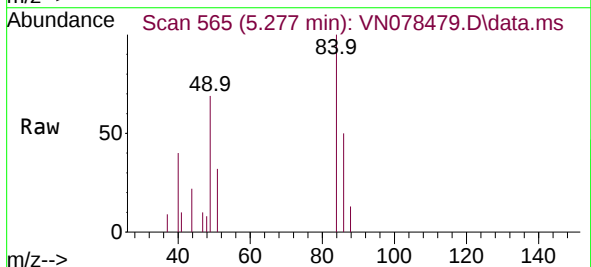
Manual Integrations
APPROVED

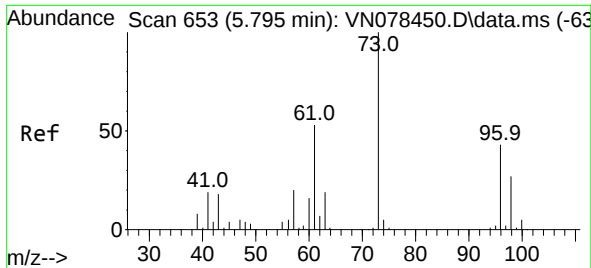
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#20
Methylene Chloride
Concen: 0.845 ug/l m
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

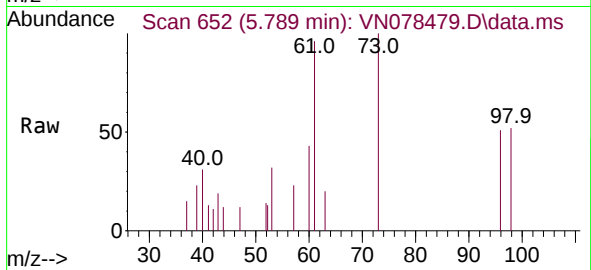
Tgt Ion: 84 Resp: 5421
Ion Ratio Lower Upper
84 100
49 69.0 79.7 119.5#
51 32.2 25.2 37.8
86 49.9 53.3 79.9#





#21
trans-1,2-Dichloroethene
Concen: 0.256 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

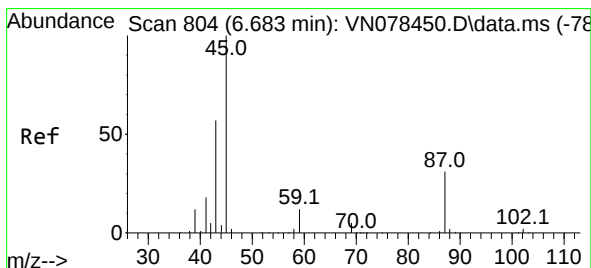
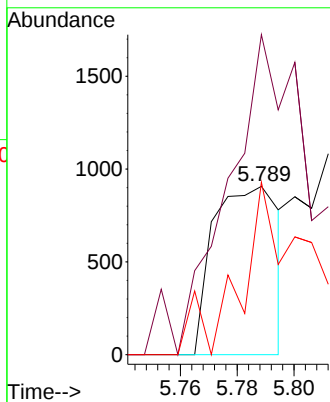
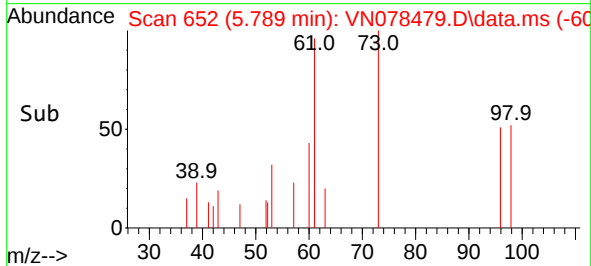
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 145
Ion Ratio Lower Upper
96 100
61 190.1 90.1 135.1
98 102.4 46.4 69.6

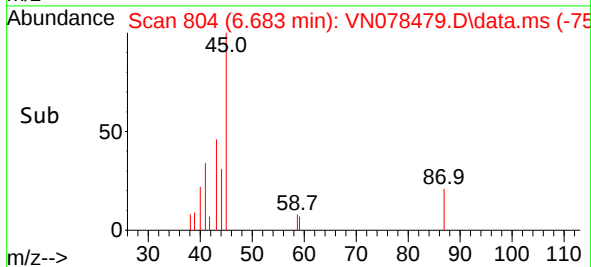
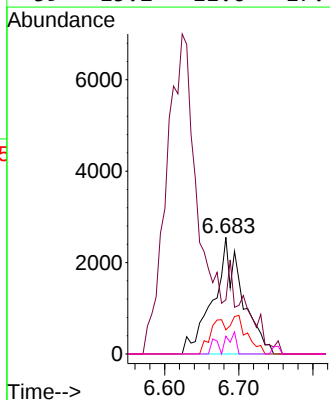
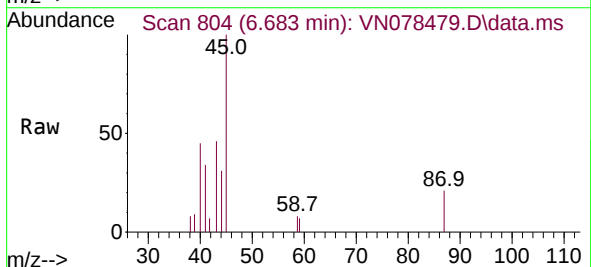
Manual Integrations
APPROVED

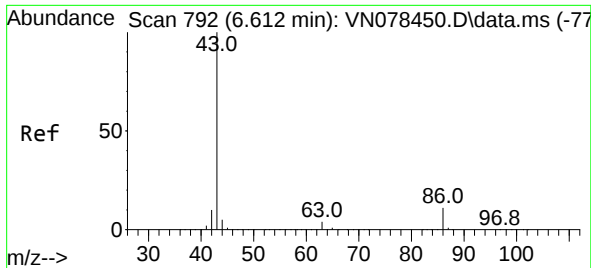
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#22
Diisopropyl ether
Concen: 0.451 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

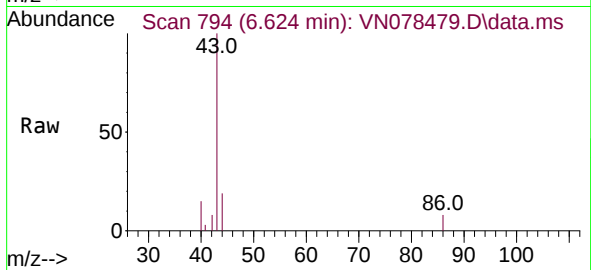
Tgt Ion: 45 Resp: 6937
Ion Ratio Lower Upper
45 100
43 35.0 45.5 68.3#
87 20.7 31.8 47.8#
59 15.2 11.6 17.4





#23
 Vinyl Acetate
 Concen: 2.121 ug/l
 RT: 6.624 min Scan# 794
 Delta R.T. 0.012 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

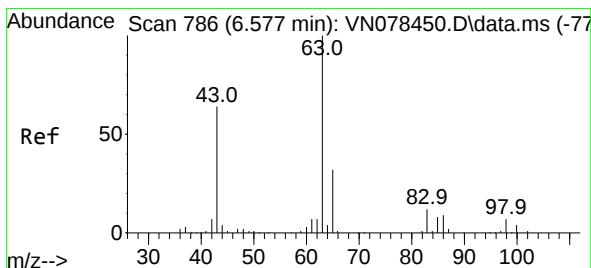
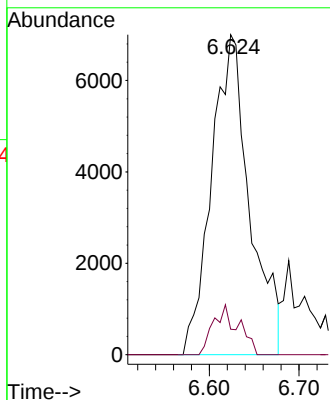
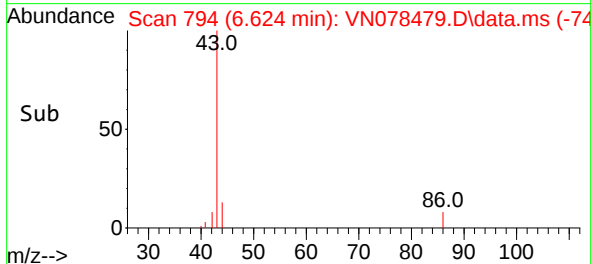
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 2072
 Ion Ratio Lower Upper
 43 100
 86 8.0 13.0 19.6

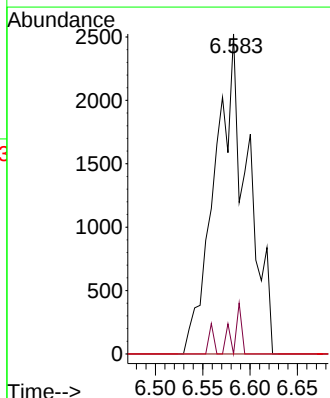
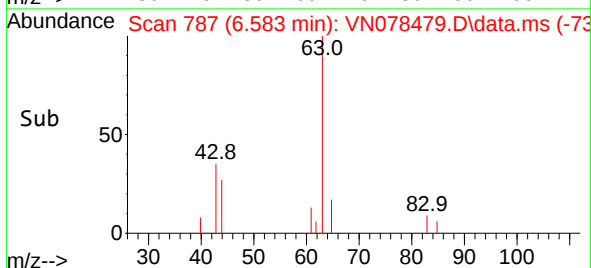
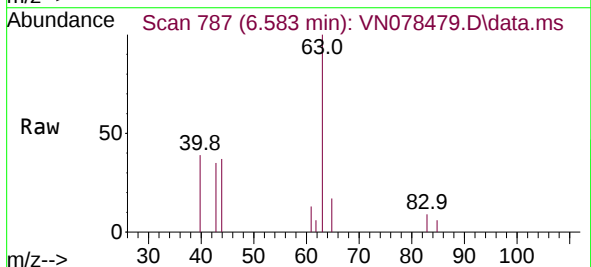
Manual Integrations
 APPROVED

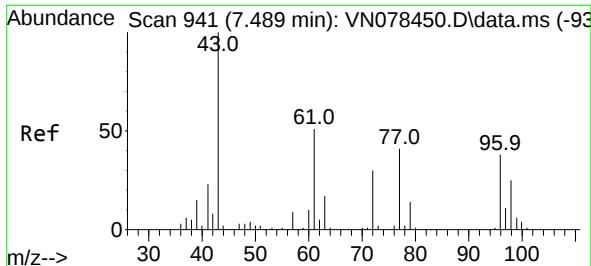
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#24
 1,1-Dichloroethane
 Concen: 0.590 ug/l
 RT: 6.583 min Scan# 787
 Delta R.T. 0.006 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

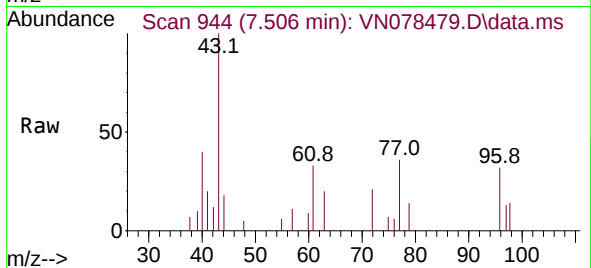
Tgt Ion: 63 Resp: 6105
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.5 7.4#





#25
2-Butanone
Concen: 3.070 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.017 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

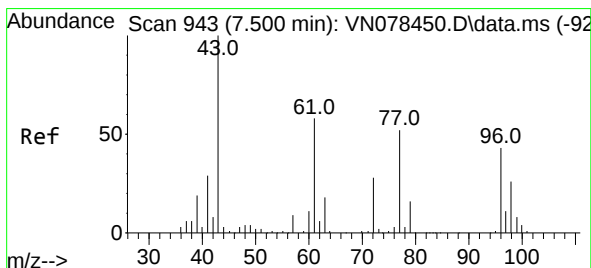
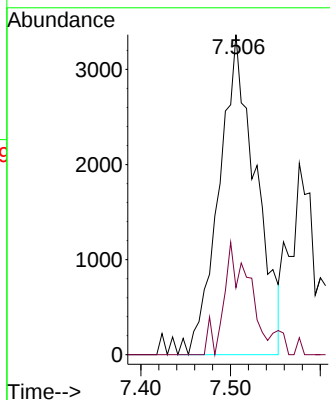
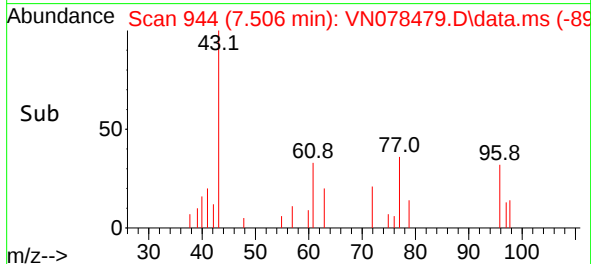
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 9600
Ion Ratio Lower Upper
43 100
72 20.9 30.2 45.2

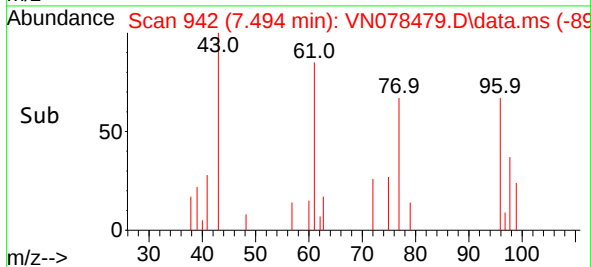
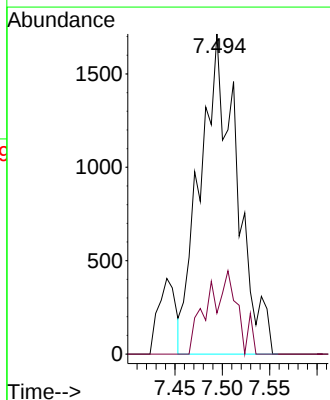
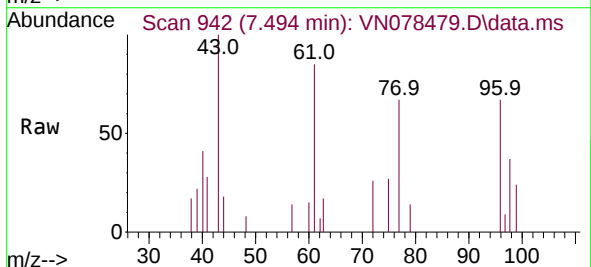
Manual Integrations
APPROVED

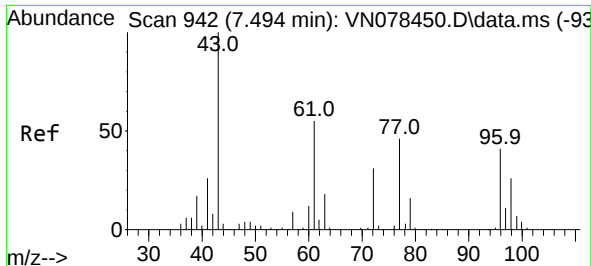
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#26
2,2-Dichloropropane
Concen: 0.545 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

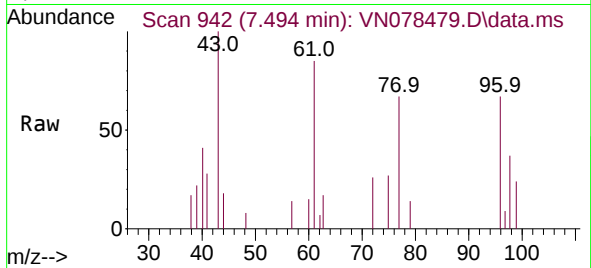
Tgt Ion: 77 Resp: 4619
Ion Ratio Lower Upper
77 100
97 21.1 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 0.561 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

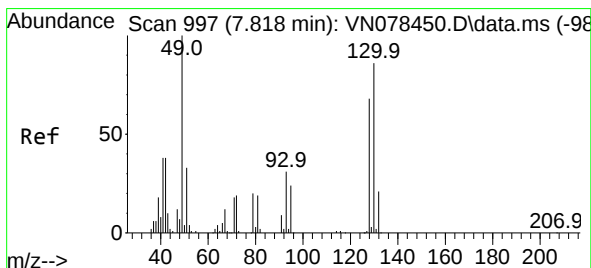
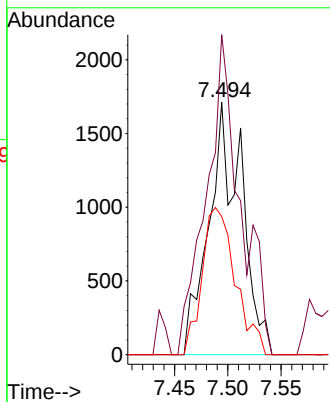
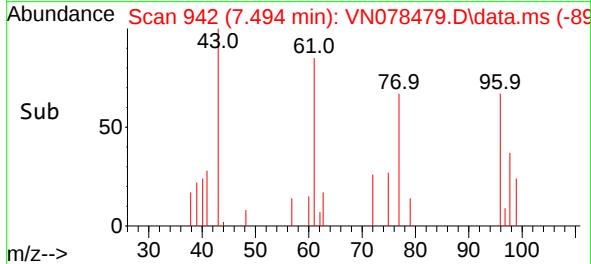
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 3670
 Ion Ratio Lower Upper
 96 100
 61 130.6 0.0 255.2
 98 59.3 0.0 128.8

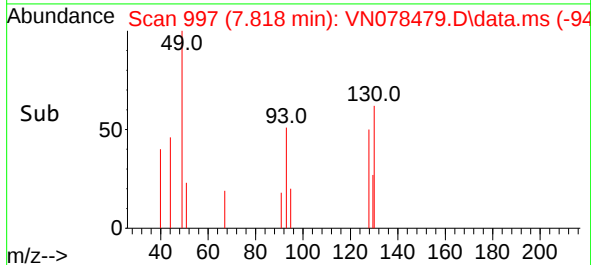
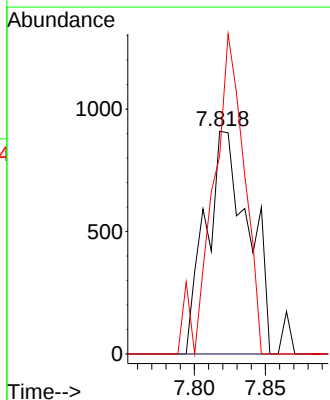
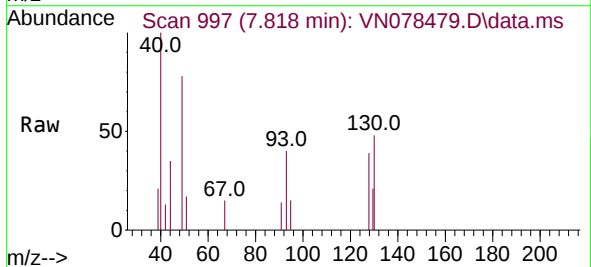
Manual Integrations
 APPROVED

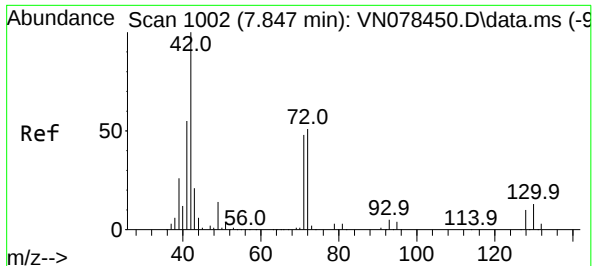
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#28
 Bromochloromethane
 Concen: 0.386 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. -0.000 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

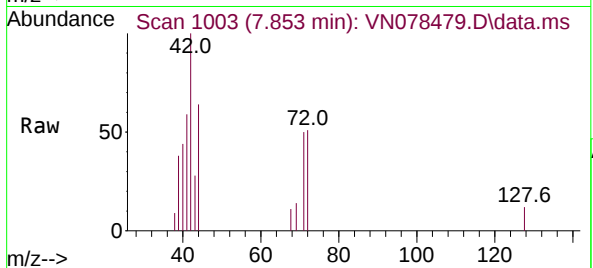
Tgt Ion: 49 Resp: 1882
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 106.2 75.3 112.9





#29
Tetrahydrofuran
Concen: 2.300 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

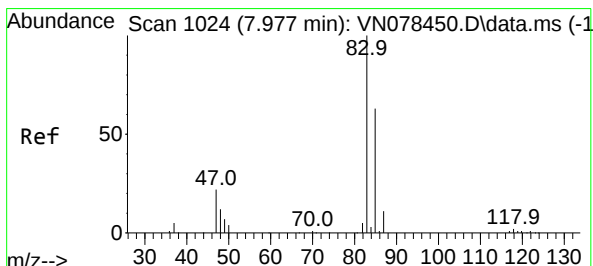
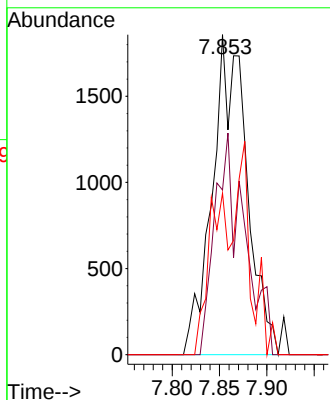
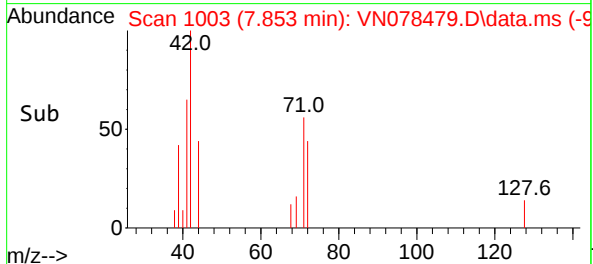
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 42 Resp: 472
Ion Ratio Lower Upper
42 100
72 59.6 49.8 74.6
71 28.0 47.4 71.2

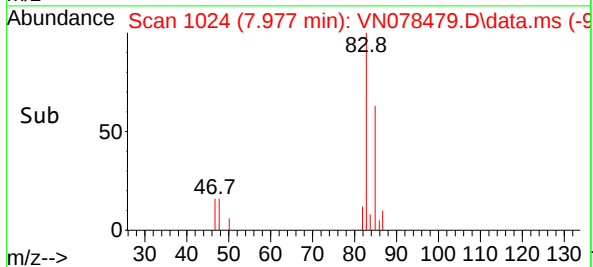
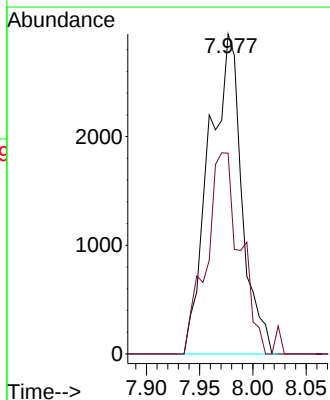
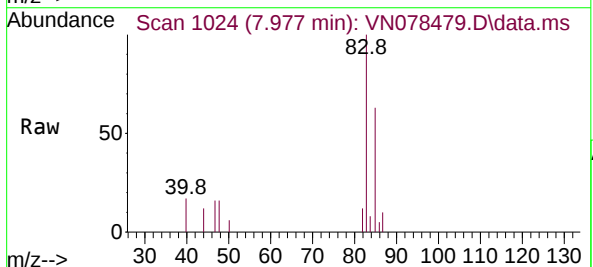
Manual Integrations
APPROVED

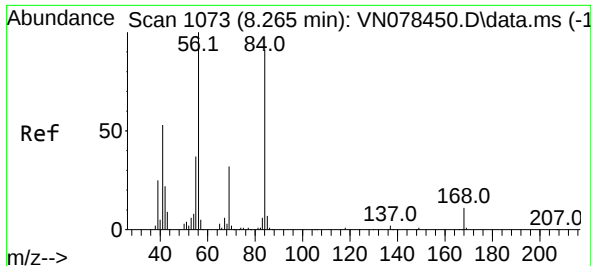
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#30
Chloroform
Concen: 0.586 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

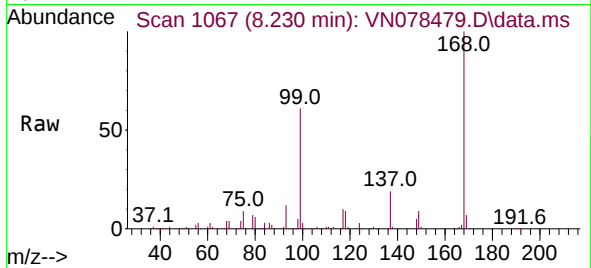
Tgt Ion: 83 Resp: 6317
Ion Ratio Lower Upper
83 100
85 62.7 55.4 83.0





#31
Cyclohexane
Concen: 1.764 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

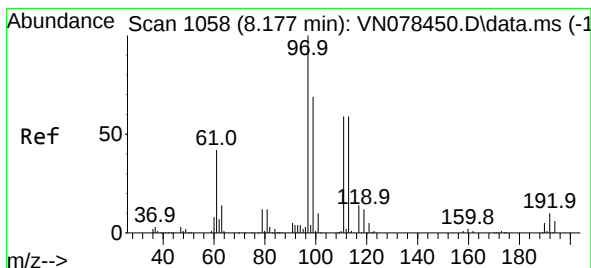
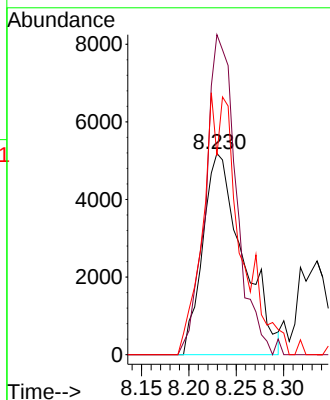
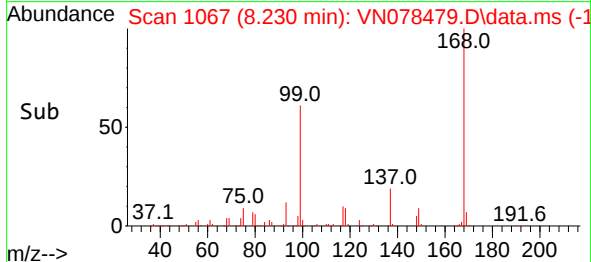
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 56 Resp: 15209
Ion Ratio Lower Upper
56 100
69 159.0 26.8 40.2#
84 99.0 81.8 122.6

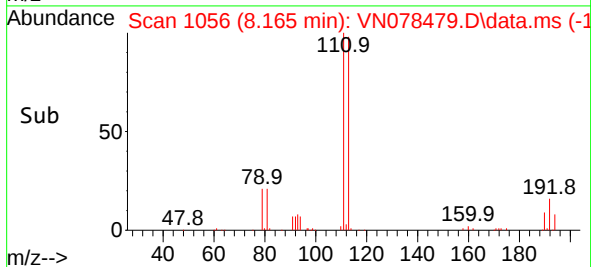
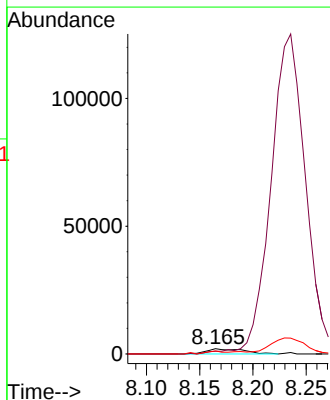
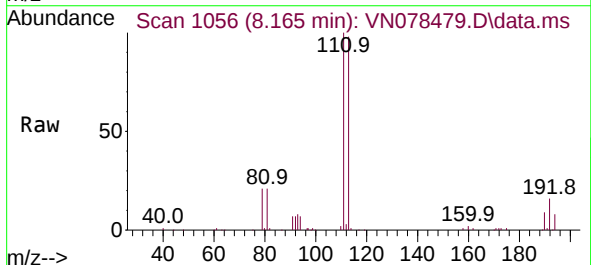
Manual Integrations
APPROVED

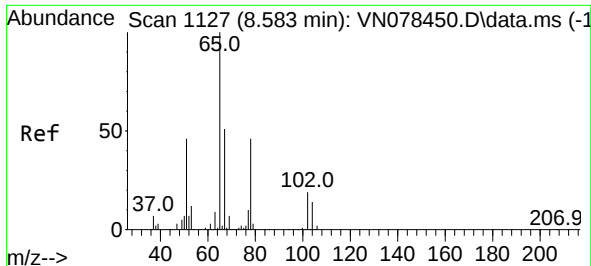
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#32
1,1,1-Trichloroethane
Concen: 0.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 97 Resp: 5003
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 31.1 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 56.840 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 65 Resp: 36268

Ion Ratio Lower Upper

65 100

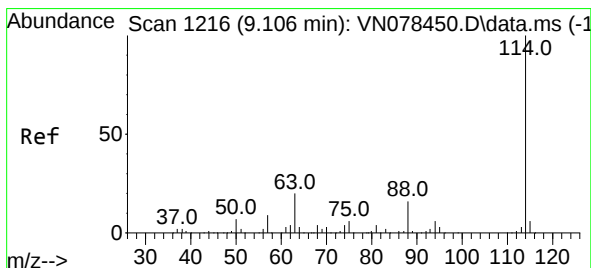
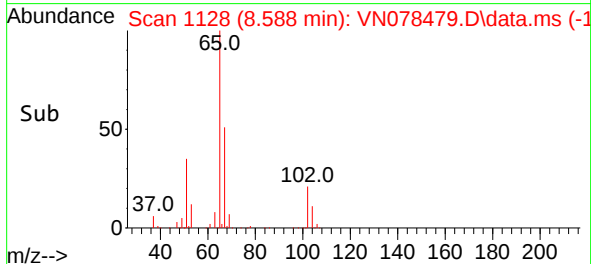
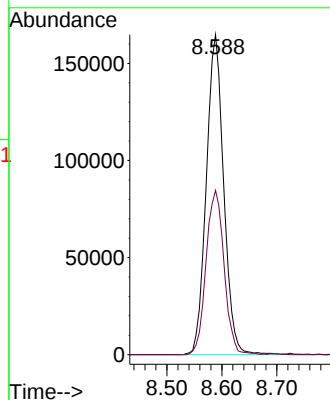
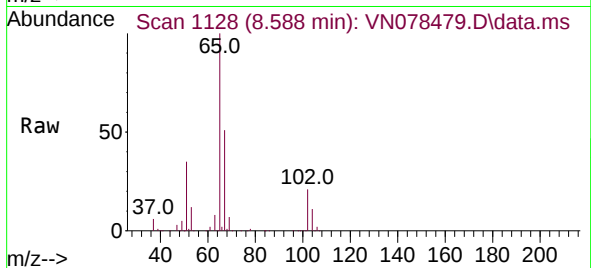
67 53.1 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

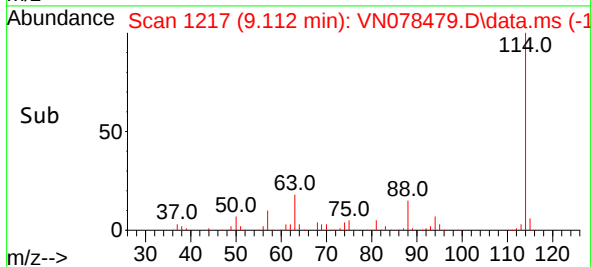
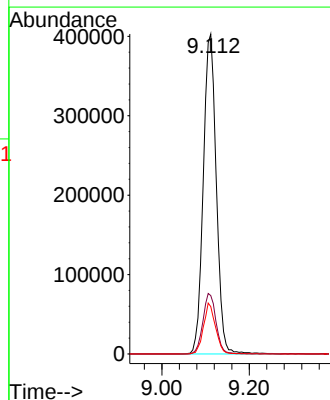
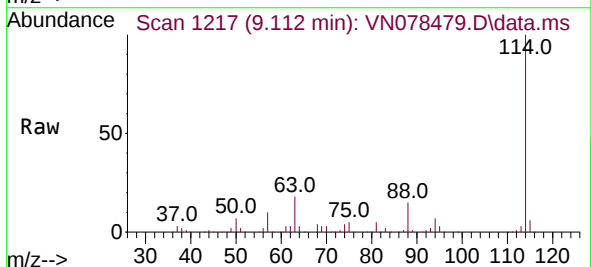
Tgt Ion:114 Resp: 835119

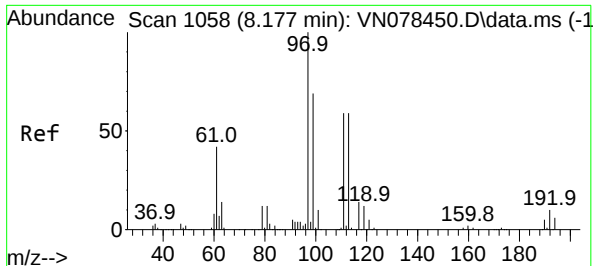
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.891 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

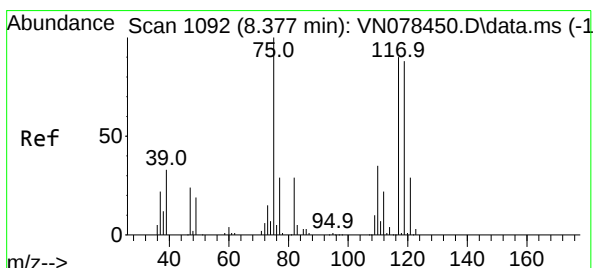
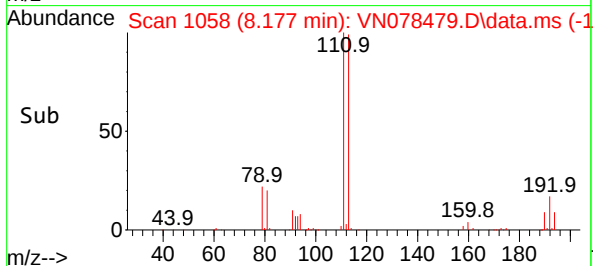
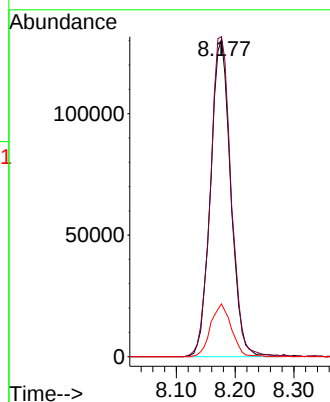
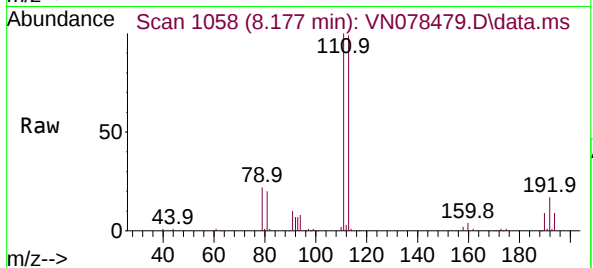
Tgt Ion:	113	Resp:	31118
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.6	123.8
192	17.0	12.7	19.1

Manual Integrations

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Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#36

1,1-Dichloropropene

Concen: 0.534 ug/l

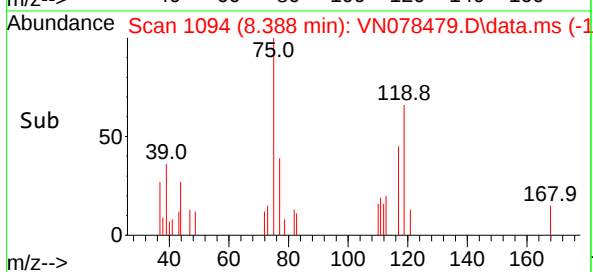
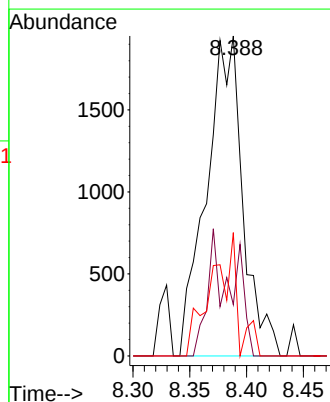
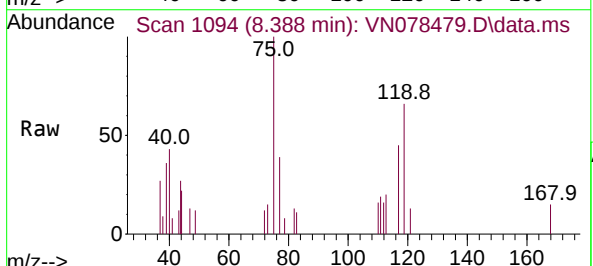
RT: 8.388 min Scan# 1094

Delta R.T. 0.011 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Tgt Ion:	75	Resp:	4375
Ion Ratio	Lower	Upper	
75	100		
110	18.8	19.1	57.3
77	27.4	25.0	37.4





#37

Ethyl Acetate

Concen: 0.580 ug/l

RT: 7.577 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN078479.D

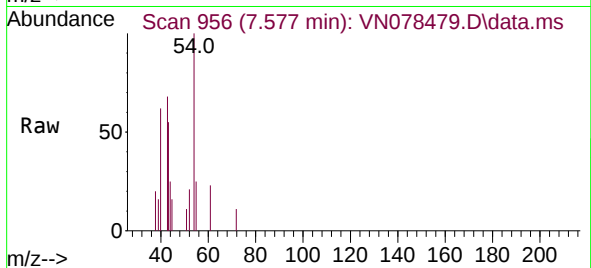
Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023



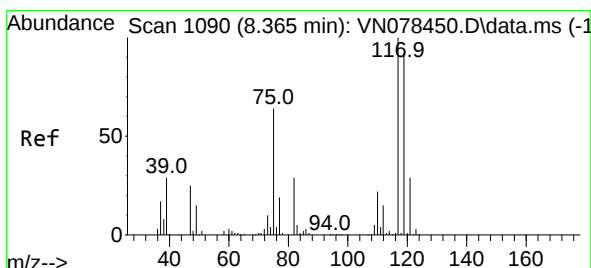
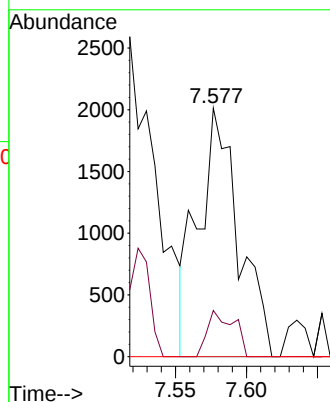
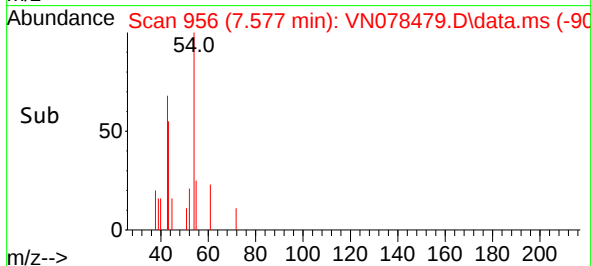
Tgt Ion:	43	Resp:	396
Ion	Ratio	Lower	Upper
43	100		
61	12.2	13.2	19.8
70	0.0	11.3	16.9

Manual Integrations

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Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#38

Carbon Tetrachloride

Concen: 0.588 ug/l

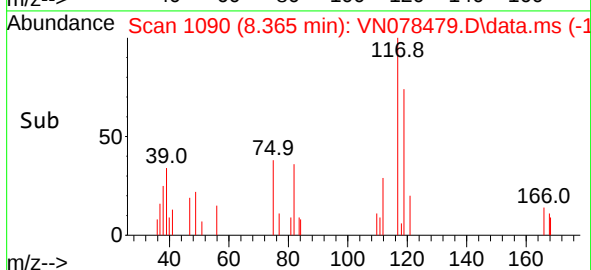
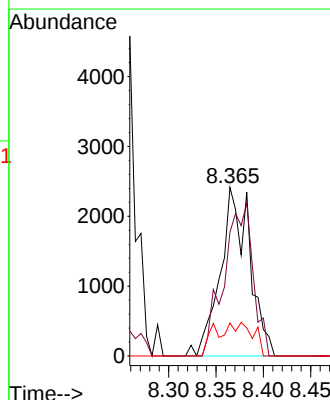
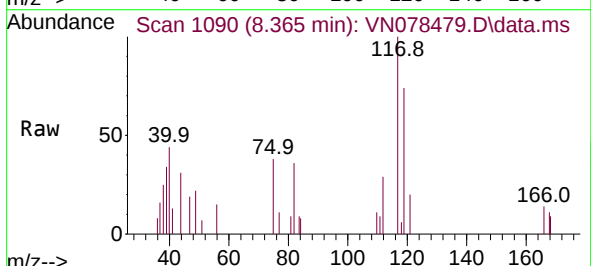
RT: 8.365 min Scan# 1090

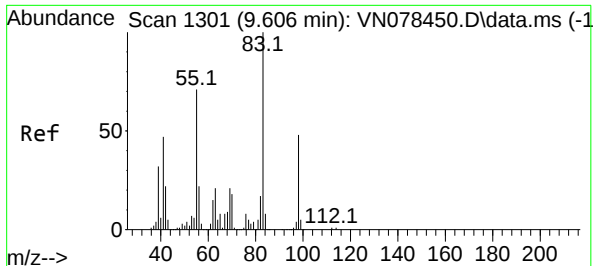
Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Tgt Ion:	117	Resp:	5229
Ion	Ratio	Lower	Upper
117	100		
119	73.5	77.3	115.9
121	19.6	23.3	34.9





#39

Methylcyclohexane

Concen: 0.528 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078479.D

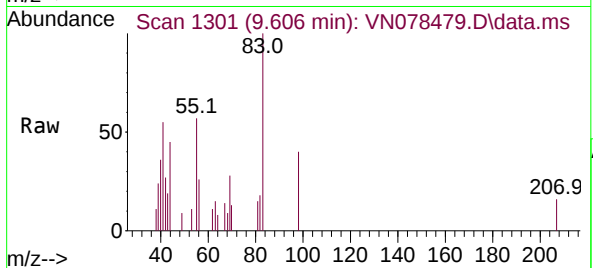
Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023



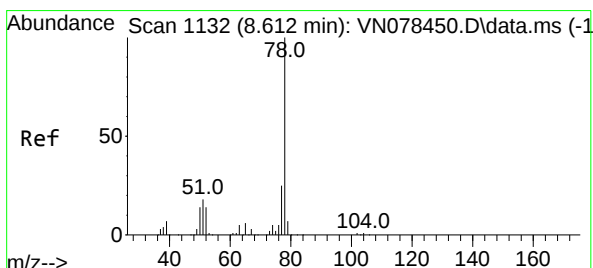
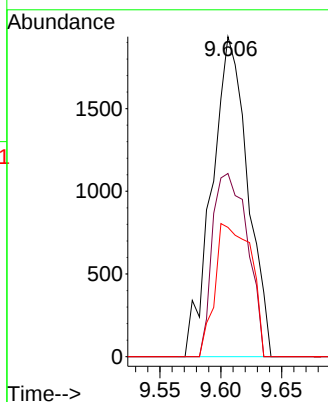
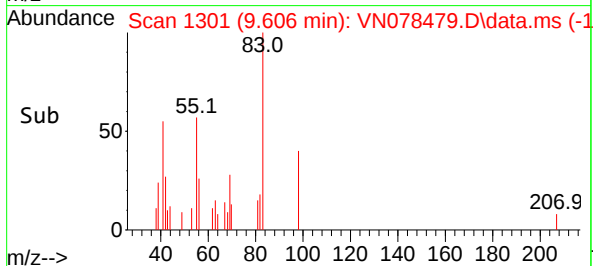
Tgt Ion:	83	Resp:	3948
Ion Ratio	Lower	Upper	
83	100		
55	57.3	49.1	73.7
98	40.4	40.6	61.0

Manual Integrations

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Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#40

Benzene

Concen: 0.477 ug/l

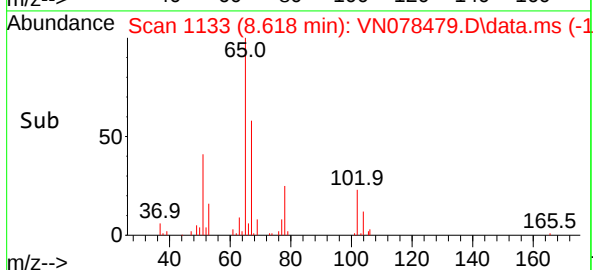
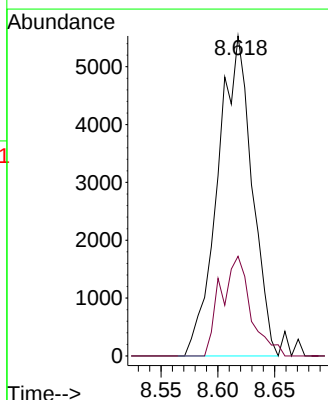
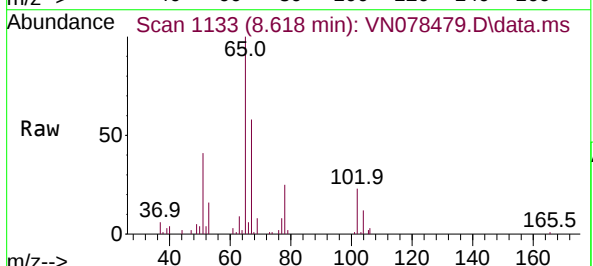
RT: 8.618 min Scan# 1133

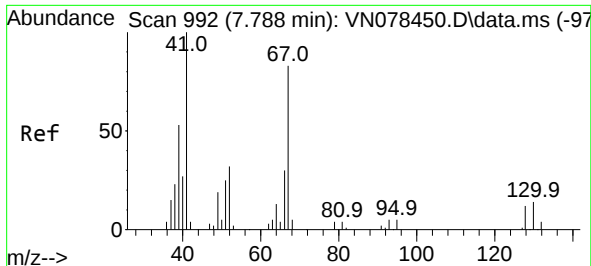
Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

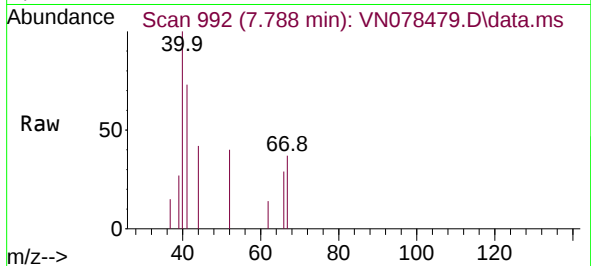
Tgt Ion:	78	Resp:	11578
Ion Ratio	Lower	Upper	
78	100		
77	31.1	19.0	28.6





#41
Methacrylonitrile
Concen: 0.469 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

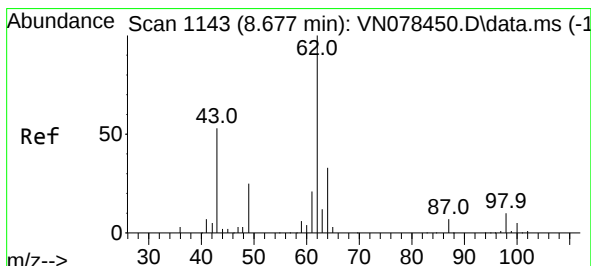
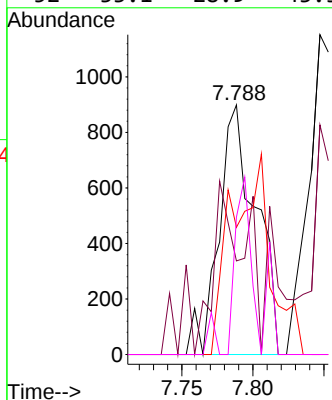
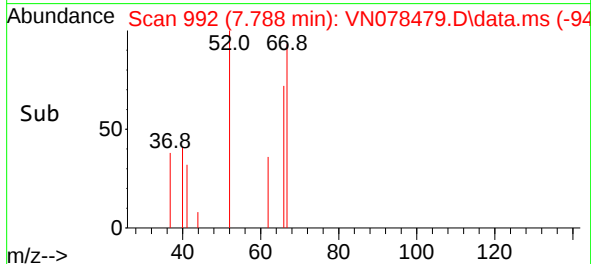
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



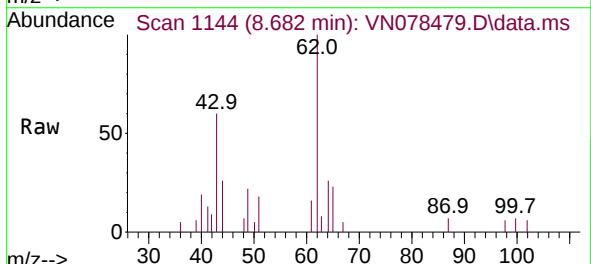
Tgt Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
39 46.1 42.6 64.0
67 0.0 77.5 116.3
52 33.1 28.9 43.3

Manual Integrations
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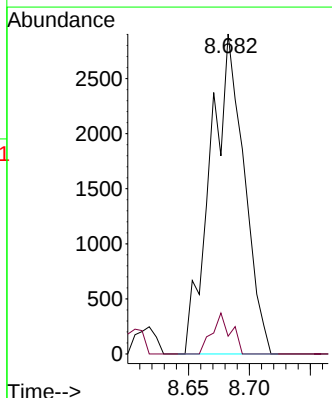
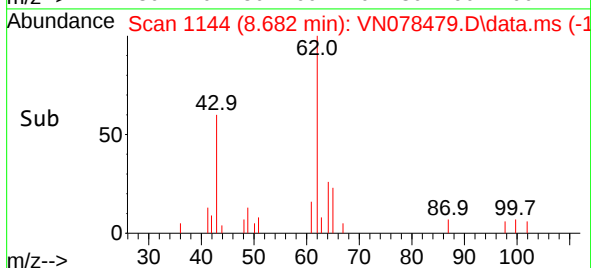
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

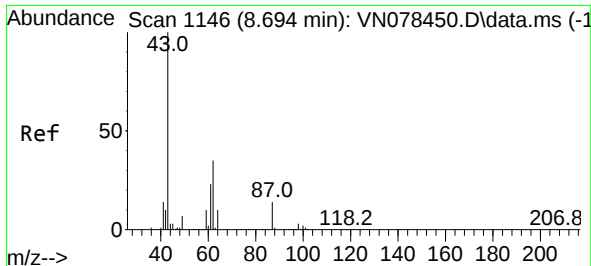


#42
1,2-Dichloroethane
Concen: 0.676 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



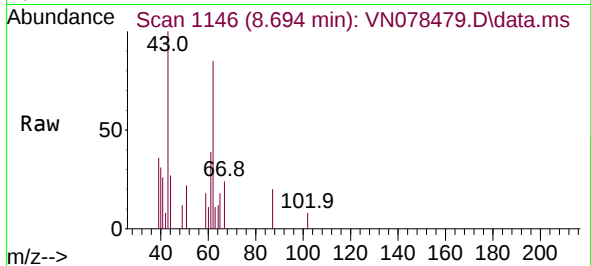
Tgt Ion: 62 Resp: 5576
Ion Ratio Lower Upper
62 100
98 7.2 0.0 19.8





#43
Isopropyl Acetate
Concen: 0.454 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

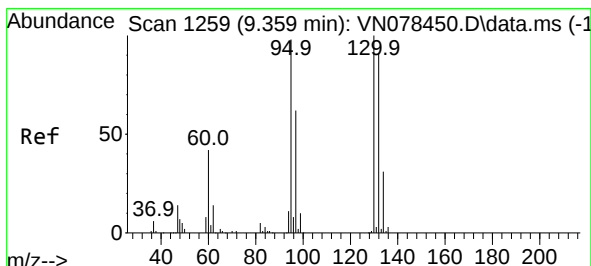
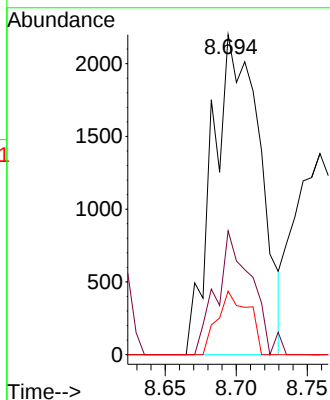
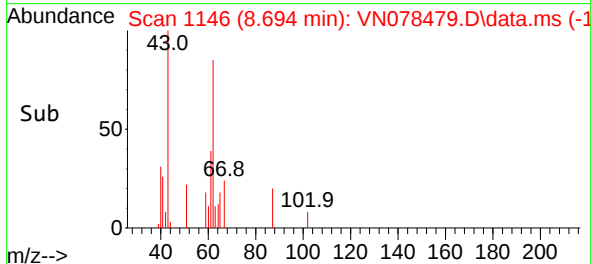
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 5099
Ion Ratio Lower Upper
43 100
61 28.5 24.7 37.1
87 13.0 14.6 21.8

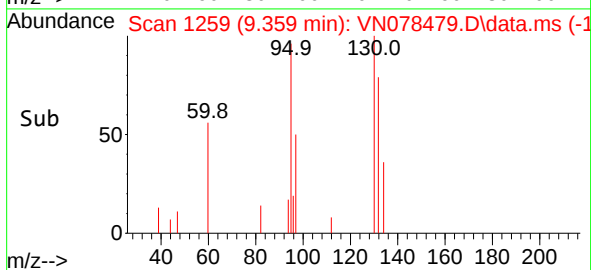
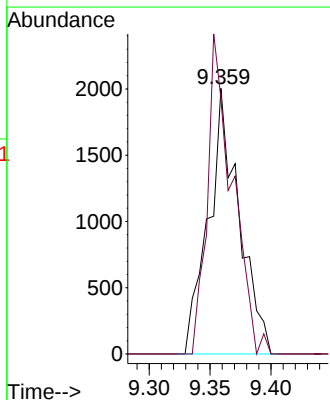
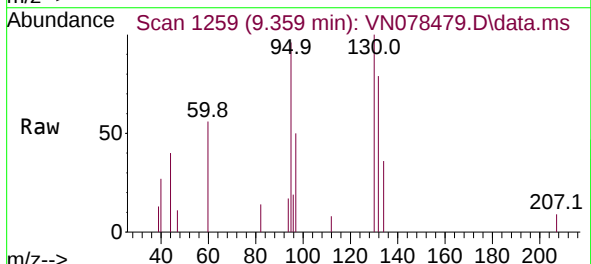
Manual Integrations
APPROVED

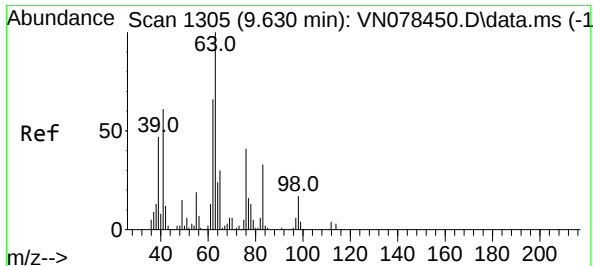
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#44
Trichloroethene
Concen: 0.534 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion:130 Resp: 3488
Ion Ratio Lower Upper
130 100
95 96.2 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.500 ug/l

RT: 9.629 min Scan# 1305

Delta R.T. -0.001 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 63 Resp: 3070

Ion Ratio Lower Upper

63 100

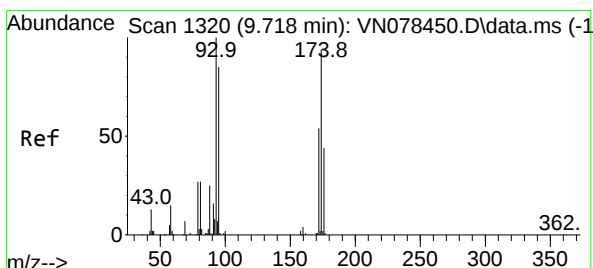
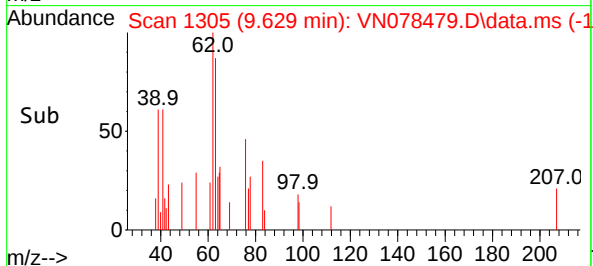
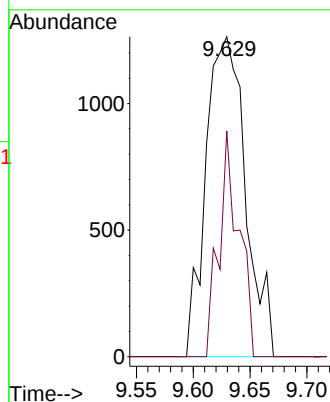
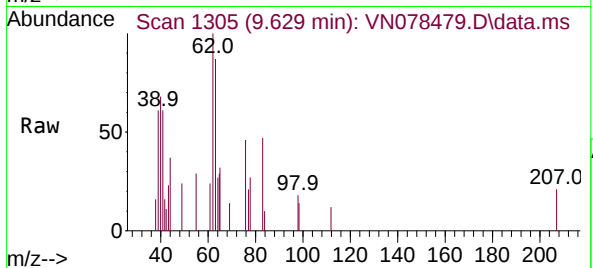
65 70.6 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#46

Dibromomethane

Concen: 0.489 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.011 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

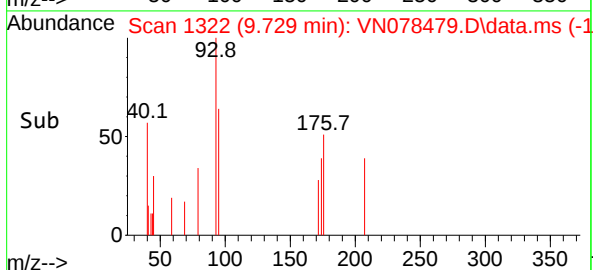
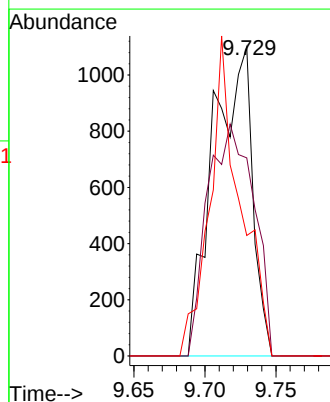
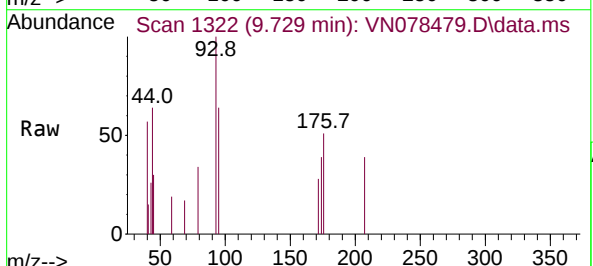
Tgt Ion: 93 Resp: 2113

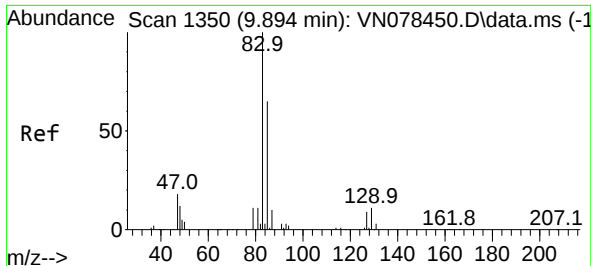
Ion Ratio Lower Upper

93 100

95 88.6 63.8 95.8

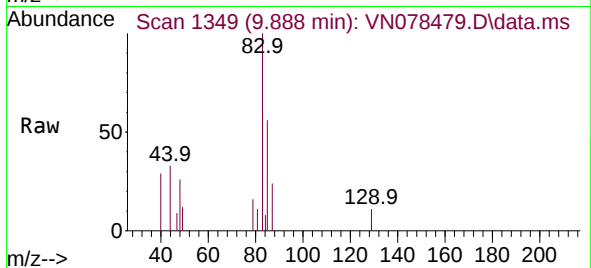
174 80.2 65.6 98.4





#47
Bromodichloromethane
Concen: 0.512 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

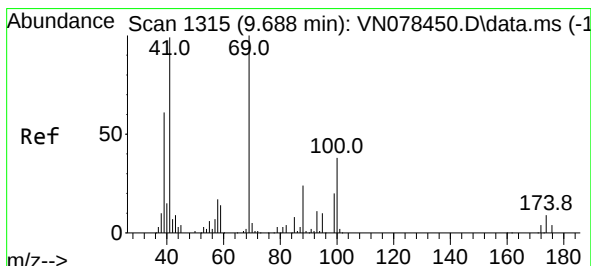
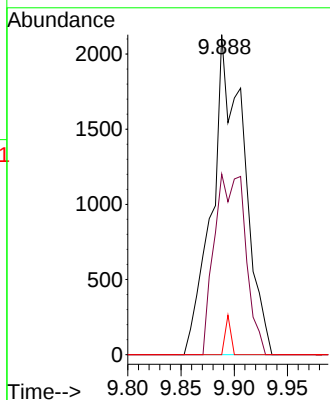
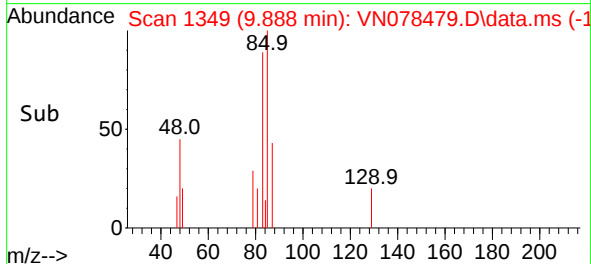
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 83 Resp: 4438
Ion Ratio Lower Upper
83 100
85 56.5 49.6 74.4
127 0.0 7.0 10.6

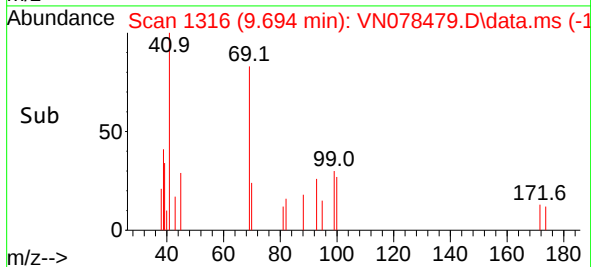
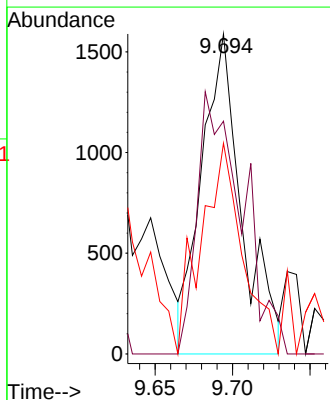
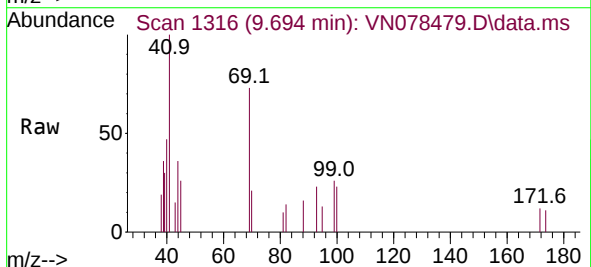
Manual Integrations
APPROVED

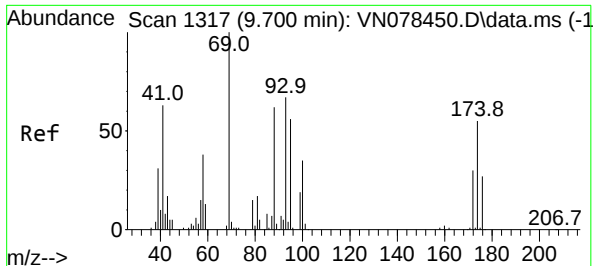
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#48
Methyl methacrylate
Concen: 0.548 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 41 Resp: 2853
Ion Ratio Lower Upper
41 100
69 92.4 90.4 135.6
39 67.6 54.6 81.8





#49

1,4-Dioxane

Concen: 8.000 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

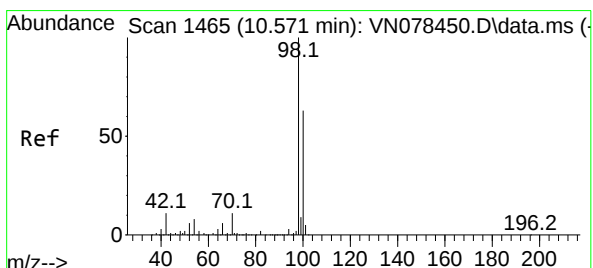
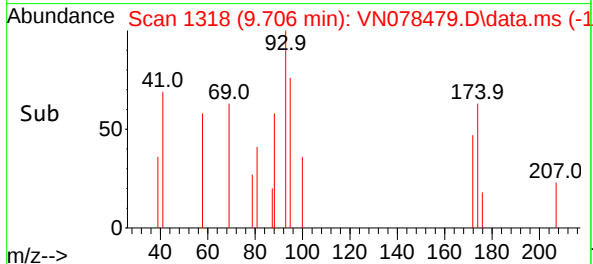
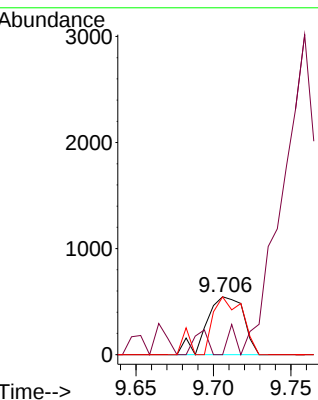
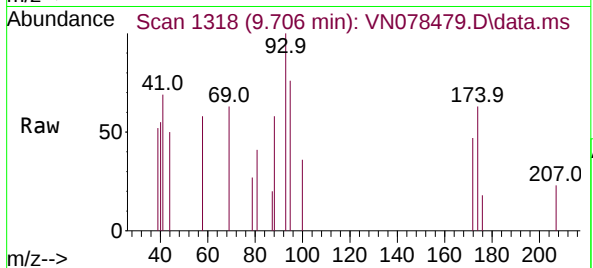
Tgt Ion: 88	Resp: 908
Ion Ratio	Lower Upper
88 100	
43 0.0	17.0 25.6
58 78.6	47.0 70.4

Manual Integrations

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Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#50

Toluene-d8

Concen: 52.106 ug/l

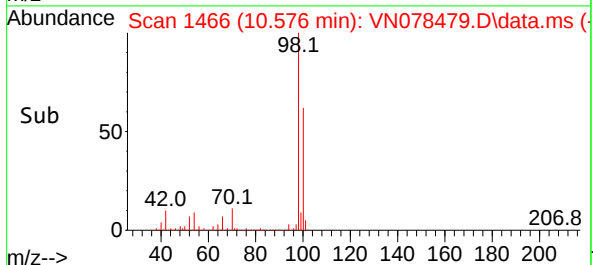
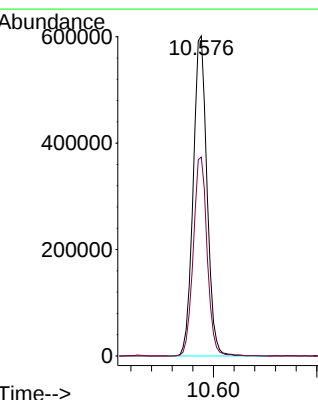
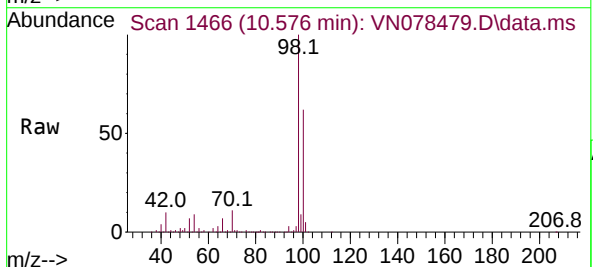
RT: 10.576 min Scan# 1466

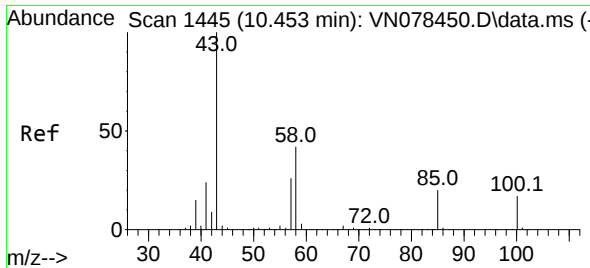
Delta R.T. 0.005 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

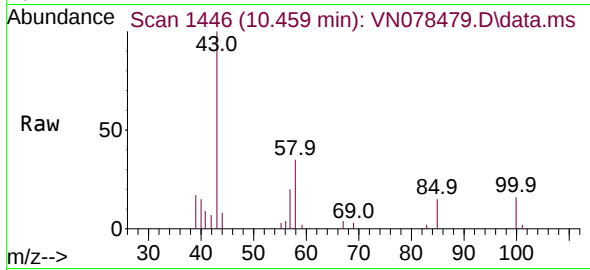
Tgt Ion: 98	Resp: 1115894
Ion Ratio	Lower Upper
98 100	
100 62.3	52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 2.292 ug/l
RT: 10.459 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

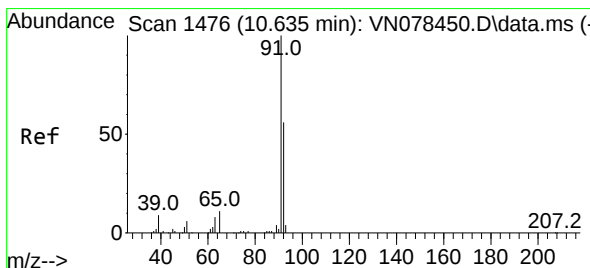
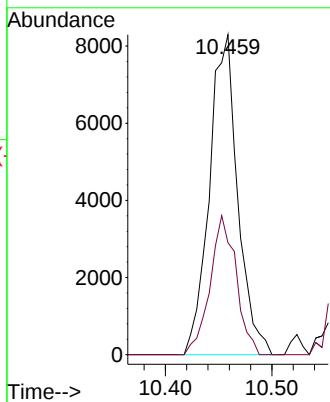
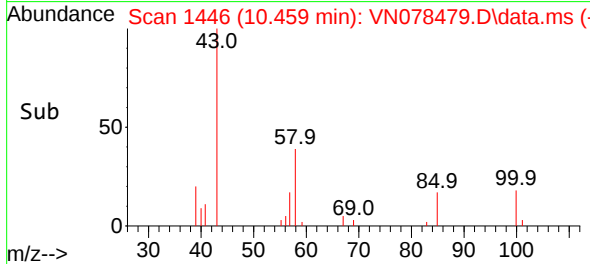
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 15310
Ion Ratio Lower Upper
43 100
58 40.0 36.6 54.8

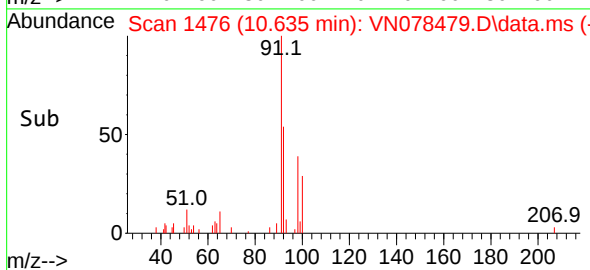
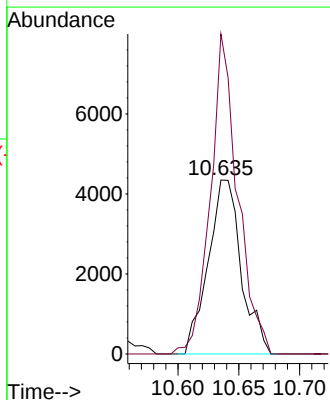
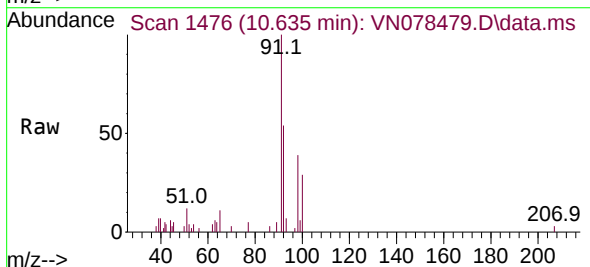
Manual Integrations
APPROVED

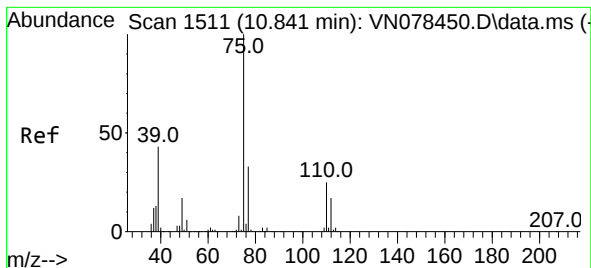
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#52
Toluene
Concen: 0.547 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

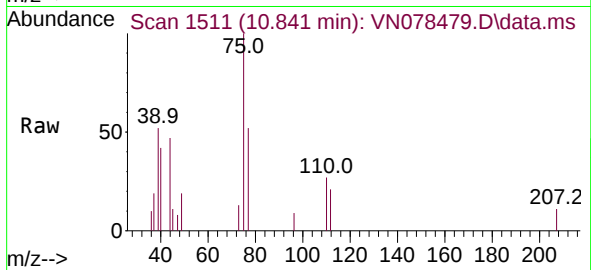
Tgt Ion: 92 Resp: 8223
Ion Ratio Lower Upper
92 100
91 151.7 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 0.476 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

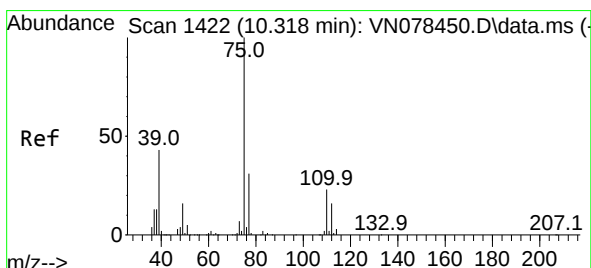
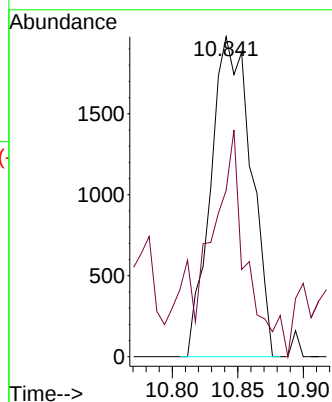
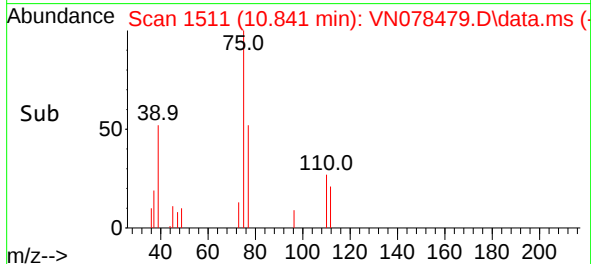
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



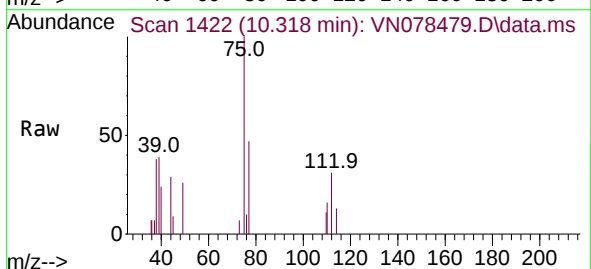
Tgt Ion: 75 Resp: 4224
Ion Ratio Lower Upper
75 100
77 39.1 25.4 38.0

Manual Integrations
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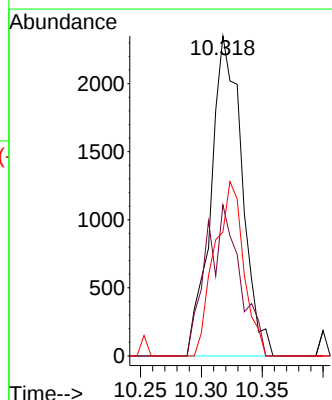
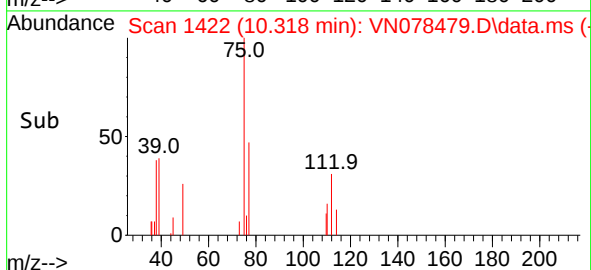
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

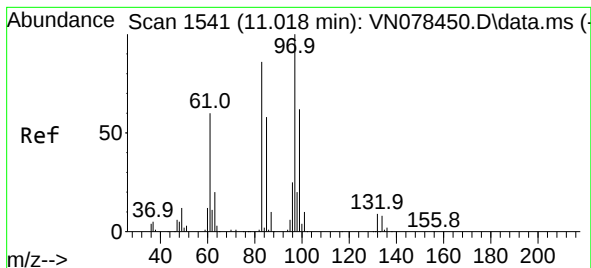


#54
cis-1,3-Dichloropropene
Concen: 0.442 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



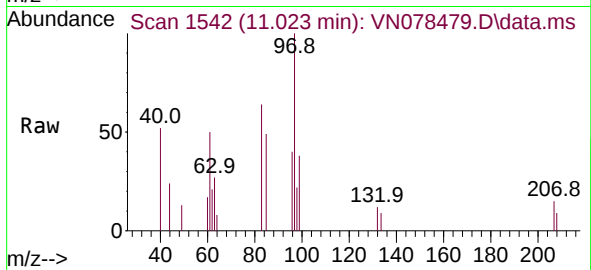
Tgt Ion: 75 Resp: 4183
Ion Ratio Lower Upper
75 100
77 47.2 26.1 39.1#
39 38.7 31.6 47.4





#55
1,1,2-Trichloroethane
Concen: 0.570 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

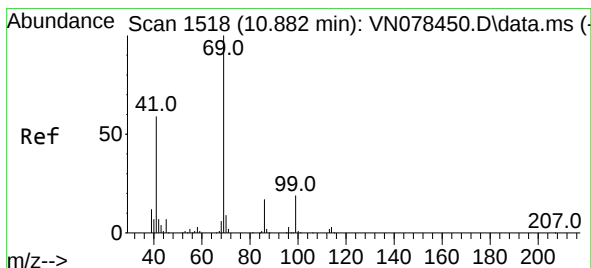
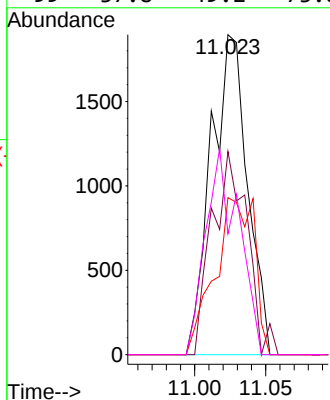
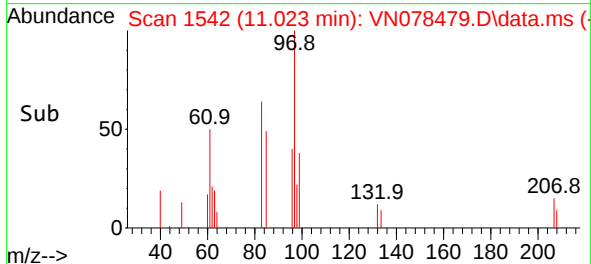
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



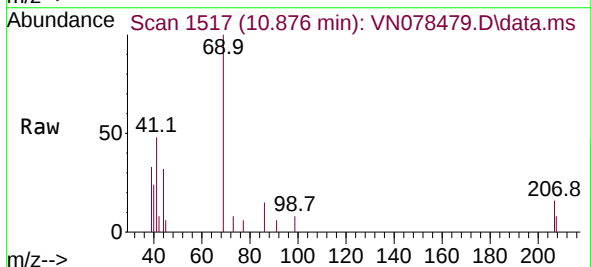
Tgt Ion: 97 Resp: 3378
Ion Ratio Lower Upper
97 100
83 63.5 65.1 97.7#
85 49.1 43.4 65.2#
99 37.8 49.2 73.8#

Manual Integrations
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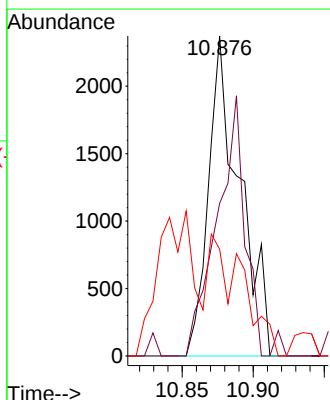
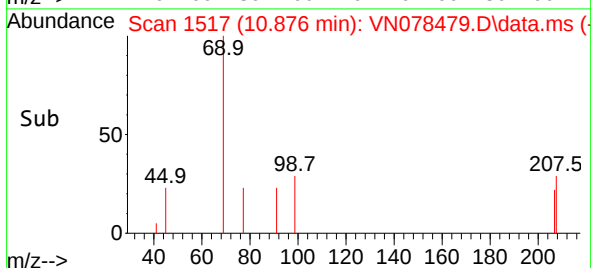
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

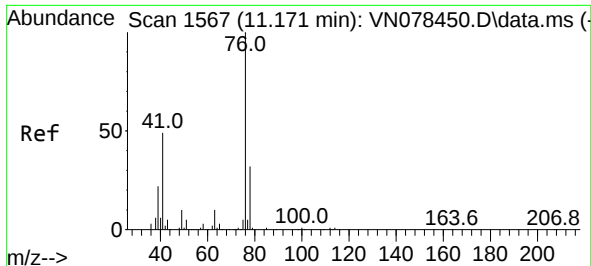


#56
Ethyl methacrylate
Concen: 0.435 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



Tgt Ion: 69 Resp: 3597
Ion Ratio Lower Upper
69 100
41 72.8 39.6 59.4#
39 10.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 0.476 ug/l

RT: 11.171 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

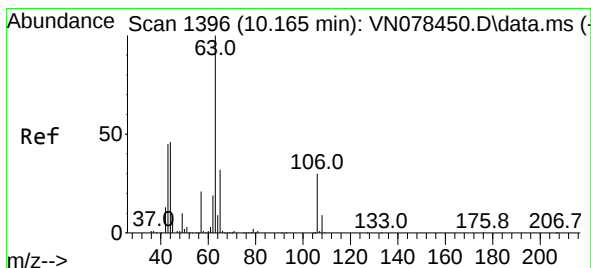
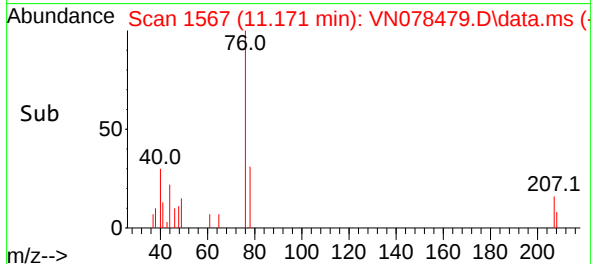
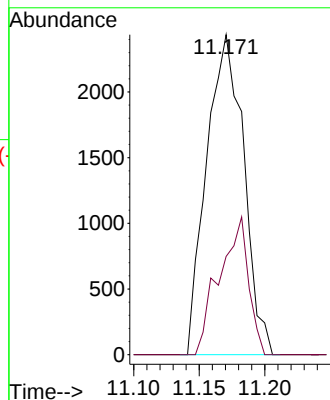
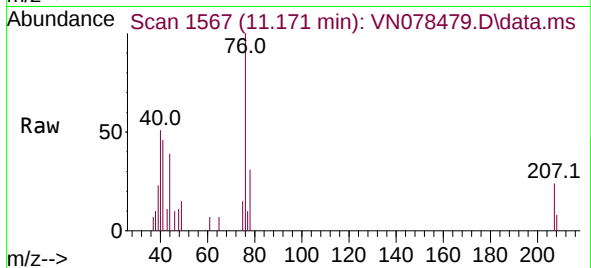
Tgt Ion: 76 Resp: 4794
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#58

2-Chloroethyl Vinyl ether

Concen: 1.852 ug/l

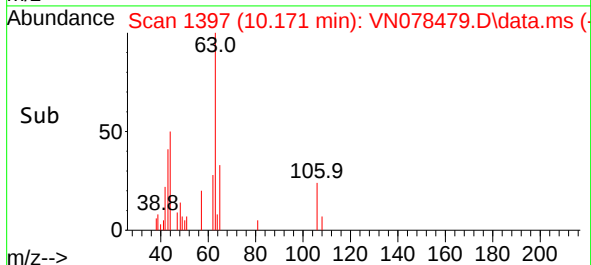
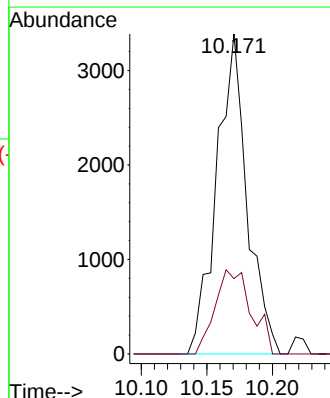
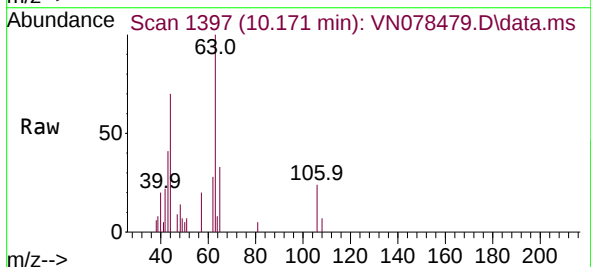
RT: 10.171 min Scan# 1397

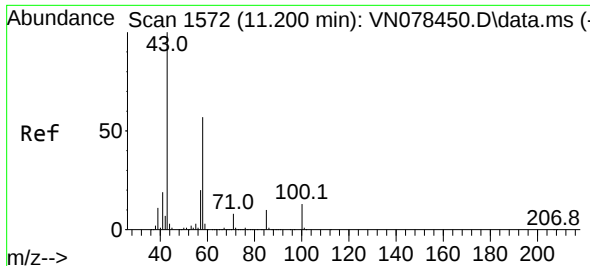
Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Tgt Ion: 63 Resp: 5464
 Ion Ratio Lower Upper
 63 100
 106 31.2 26.2 39.4





#59

2-Hexanone

Concen: 2.283 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 10840

Ion Ratio Lower Upper

43 100

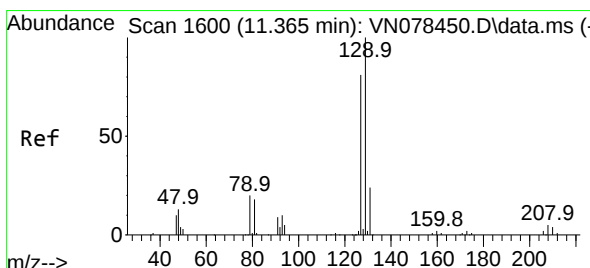
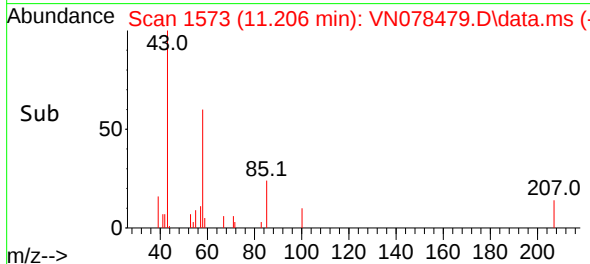
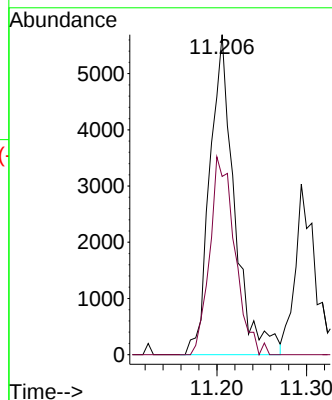
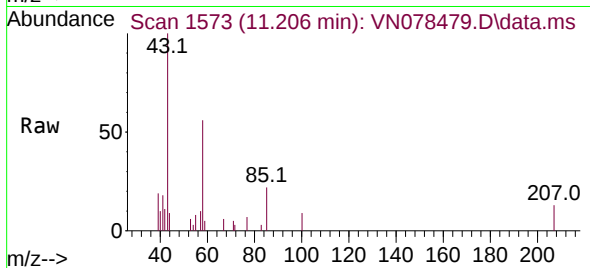
58 63.1 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#60

Dibromochloromethane

Concen: 0.493 ug/l

RT: 11.365 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VN078479.D

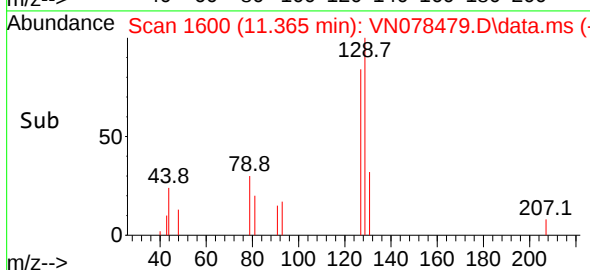
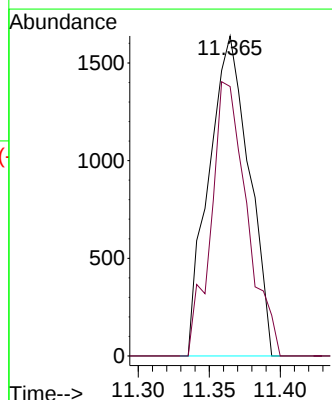
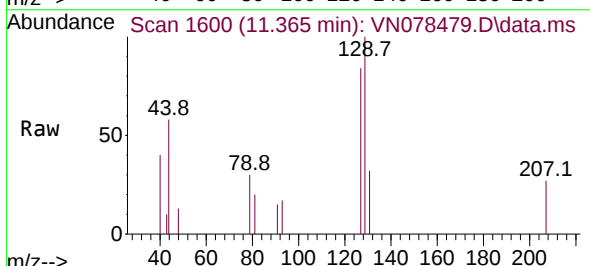
Acq: 12 Jul 2023 14:04

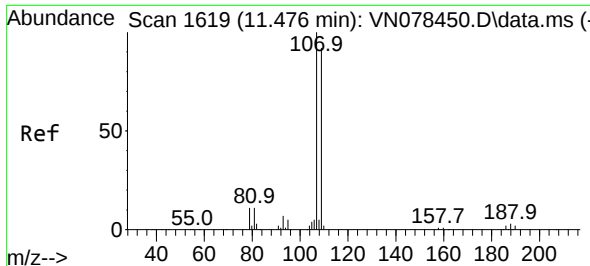
Tgt Ion:129 Resp: 3226

Ion Ratio Lower Upper

129 100

127 76.5 38.6 116.0





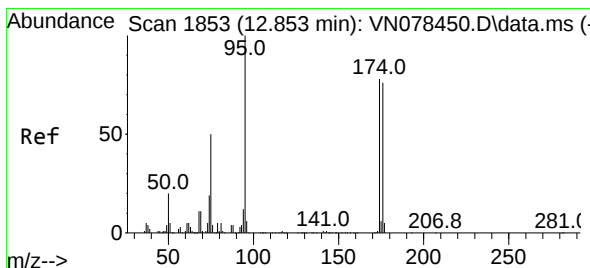
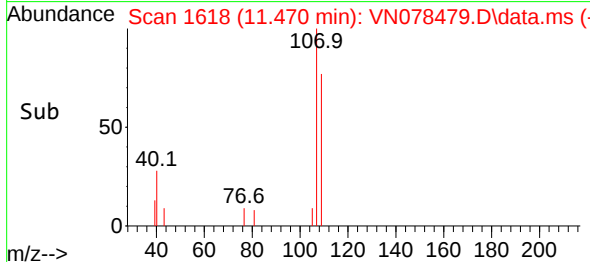
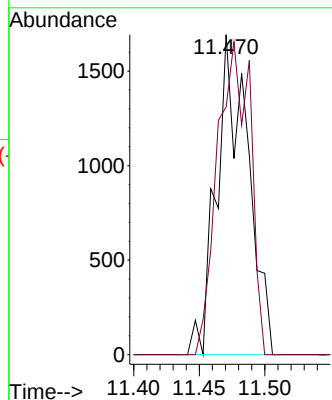
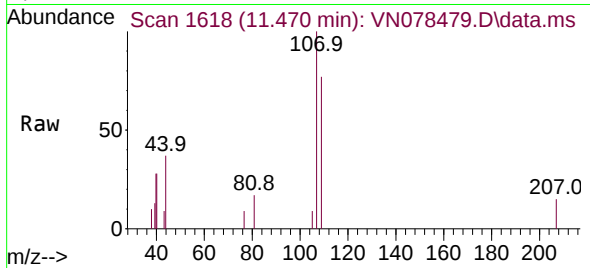
#61
1,2-Dibromoethane
Concen: 0.462 ug/l
RT: 11.470 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:107 Resp: 281
Ion Ratio Lower Upper
107 100
109 102.2 76.6 114.8

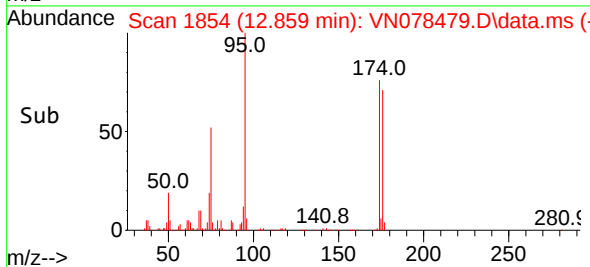
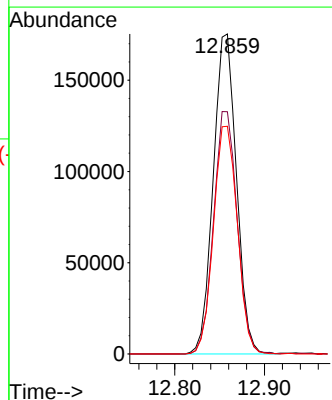
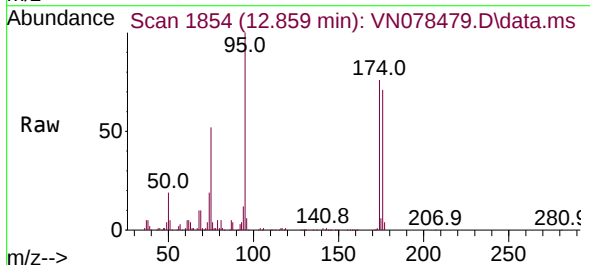
Manual Integrations
APPROVED

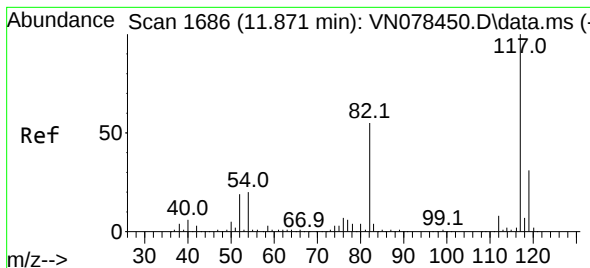
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#62
4-Bromofluorobenzene
Concen: 47.726 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 95 Resp: 314826
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 73.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:117 Resp: 70272

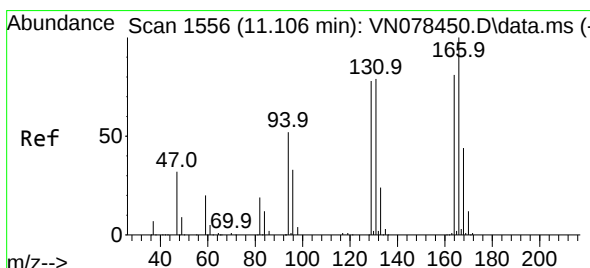
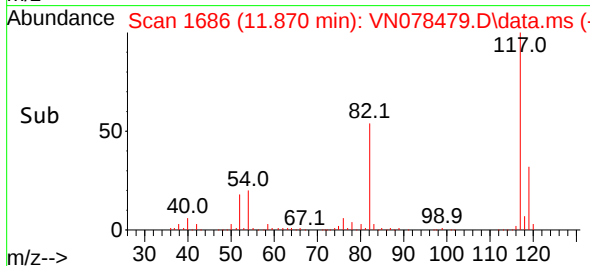
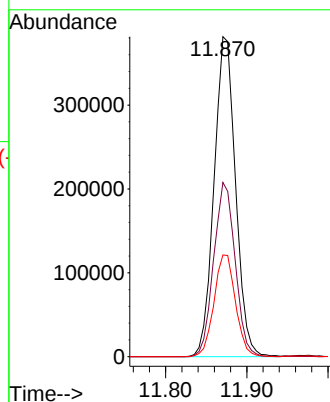
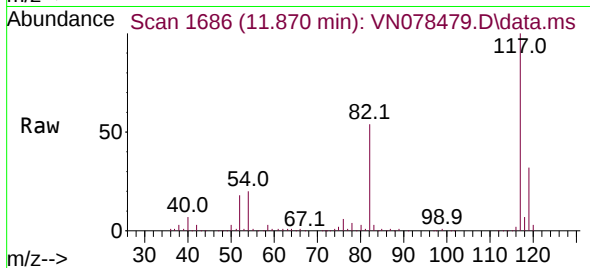
Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.0	66.0
119	31.8	25.6	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#64

Tetrachloroethene

Concen: 0.548 ug/l

RT: 11.112 min Scan# 1557

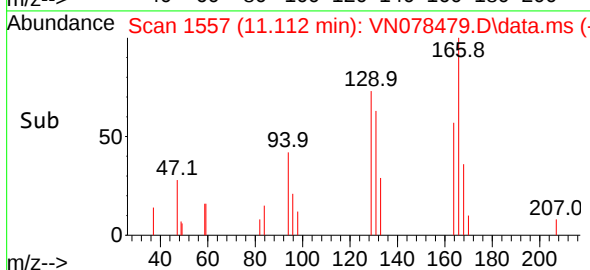
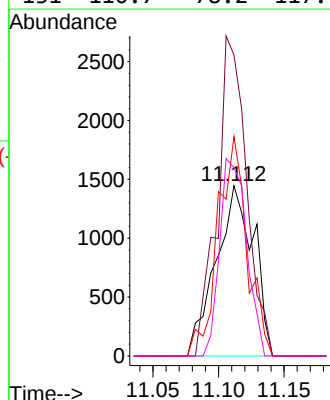
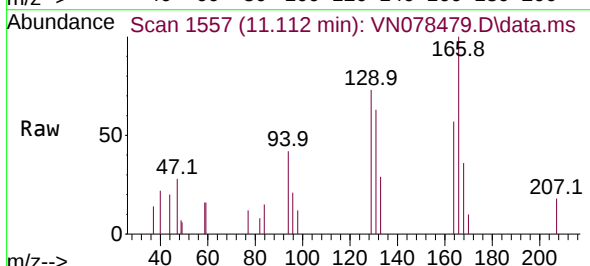
Delta R.T. 0.006 min

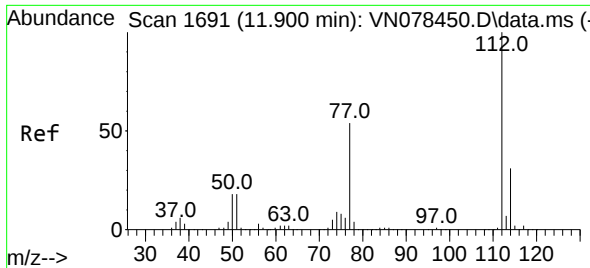
Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Tgt Ion:164 Resp: 2894

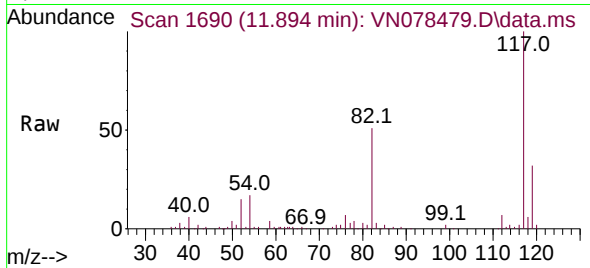
Ion	Ratio	Lower	Upper
164	100		
166	176.8	101.4	152.0#
129	128.8	82.4	123.6#
131	110.7	78.2	117.4





#65
Chlorobenzene
Concen: 0.561 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

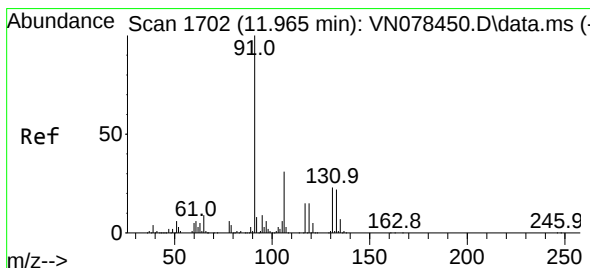
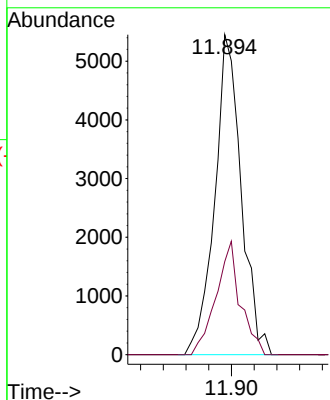
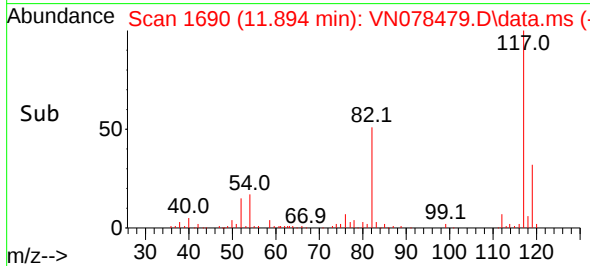
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:112 Resp: 8810
Ion Ratio Lower Upper
112 100
114 29.1 25.0 37.4

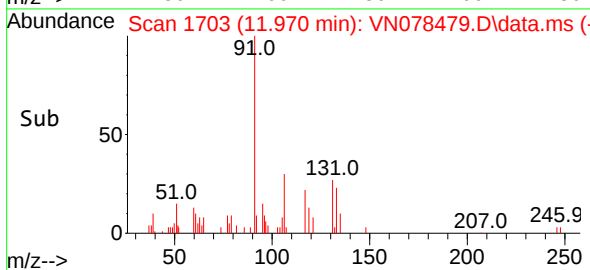
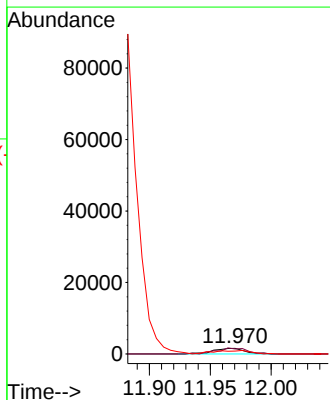
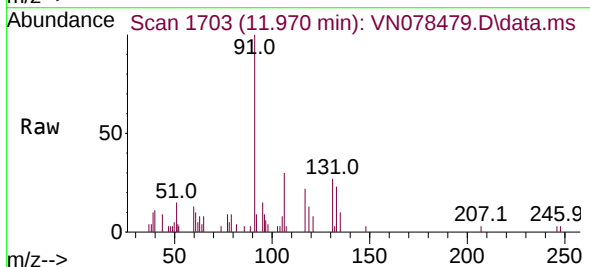
Manual Integrations
APPROVED

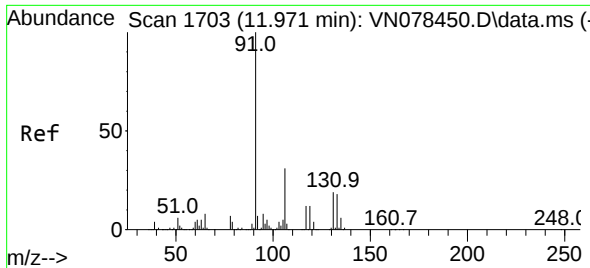
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.469 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

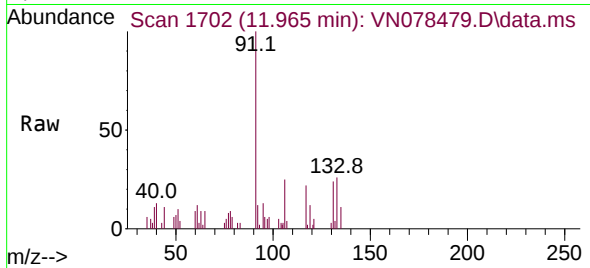
Tgt Ion:131 Resp: 2833
Ion Ratio Lower Upper
131 100
133 102.8 46.4 139.1
119 0.0 34.1 102.2#





#67
Ethyl Benzene
Concen: 0.449 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

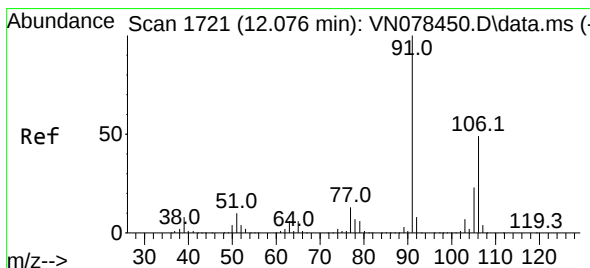
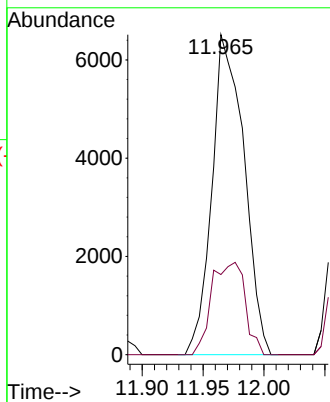
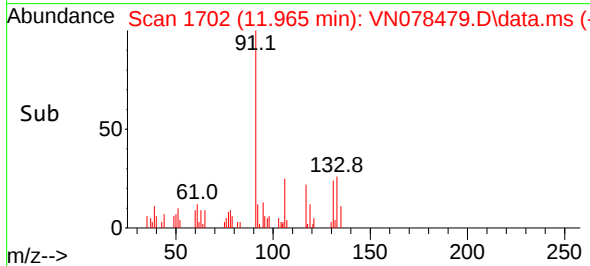
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



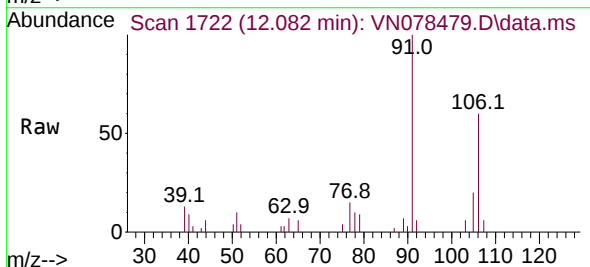
Tgt Ion: 91 Resp: 11919
Ion Ratio Lower Upper
91 100
106 25.1 25.6 38.4

Manual Integrations
APPROVED

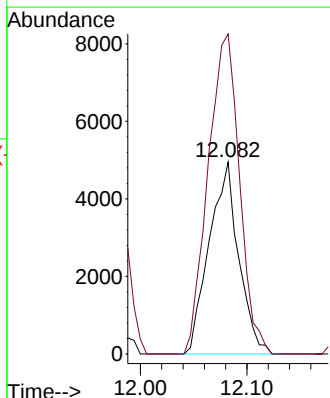
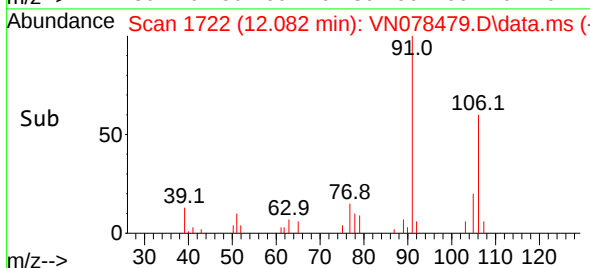
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

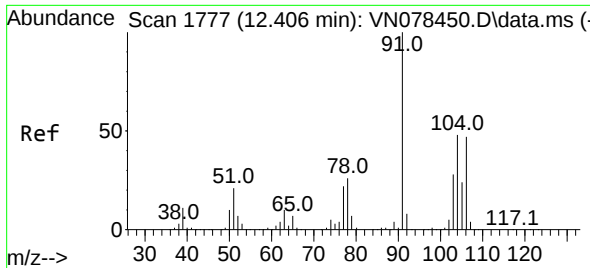


#68
m/p-Xylenes
Concen: 0.968 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



Tgt Ion:106 Resp: 9502
Ion Ratio Lower Upper
106 100
91 178.1 159.6 239.4





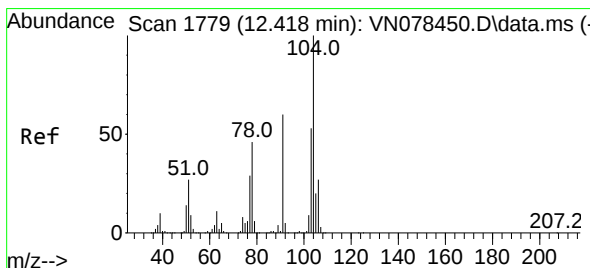
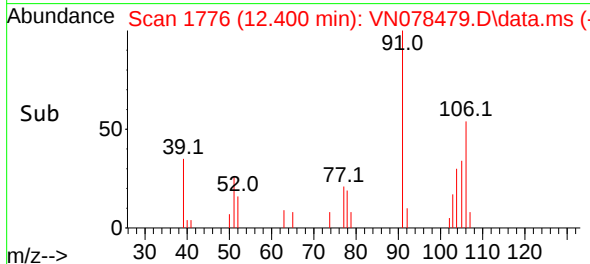
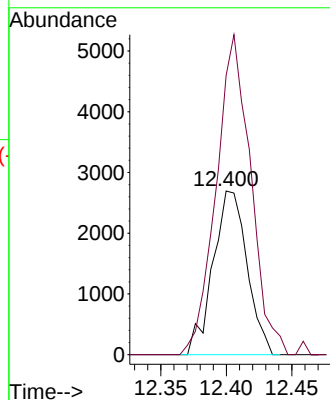
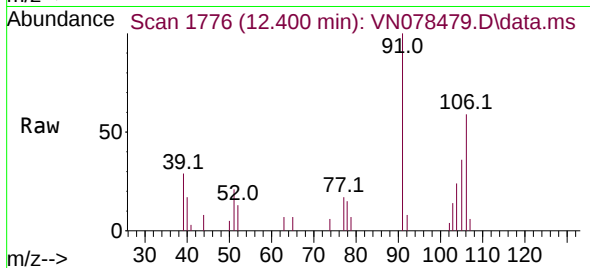
#69
o-Xylene
Concen: 0.491 ug/l
RT: 12.400 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 486
Ion Ratio Lower Upper
106 100
91 198.4 105.2 315.5

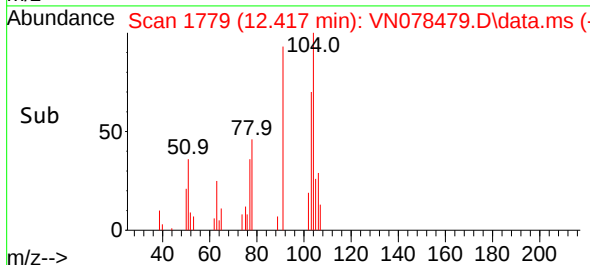
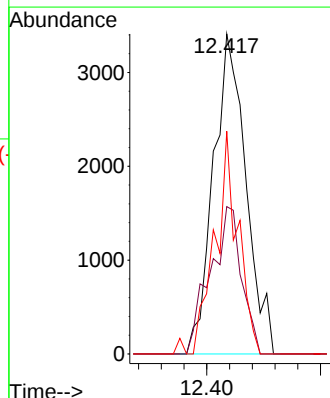
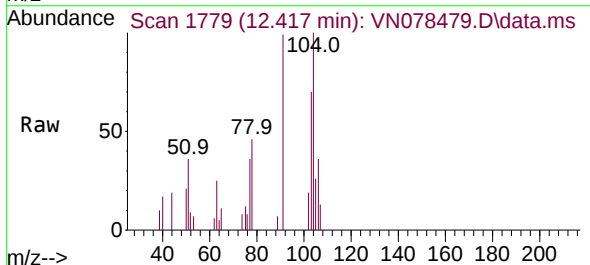
Manual Integrations
APPROVED

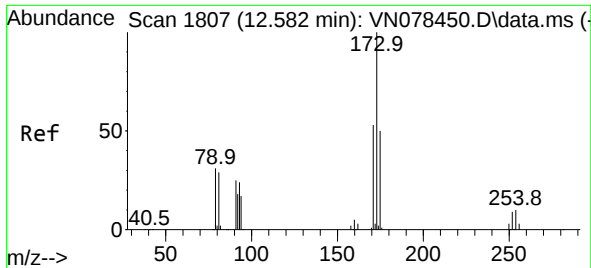
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#70
Styrene
Concen: 0.437 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. -0.001 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

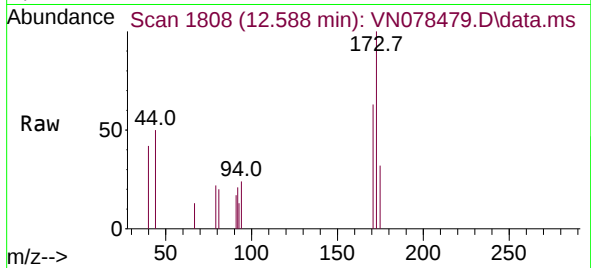
Tgt Ion:104 Resp: 6778
Ion Ratio Lower Upper
104 100
78 44.3 39.5 59.3
103 49.9 43.2 64.8





#71
Bromoform
Concen: 0.487 ug/l
RT: 12.588 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

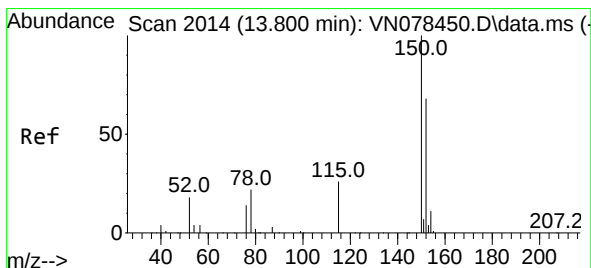
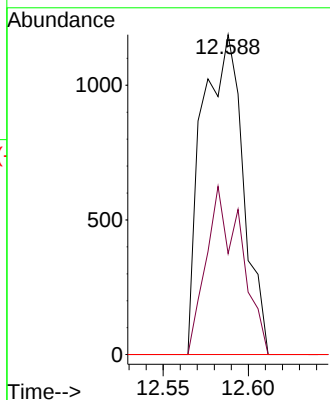
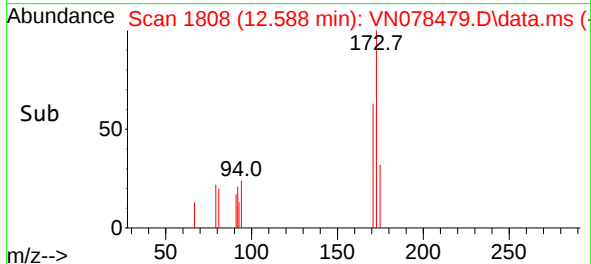
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



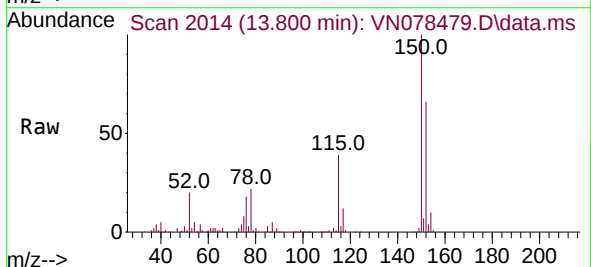
Tgt Ion:173 Resp: 199
Ion Ratio Lower Upper
173 100
175 44.7 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

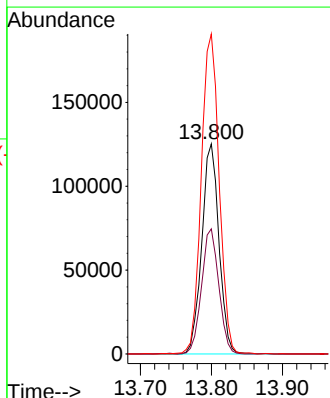
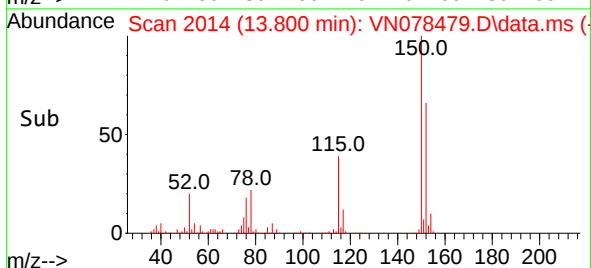
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

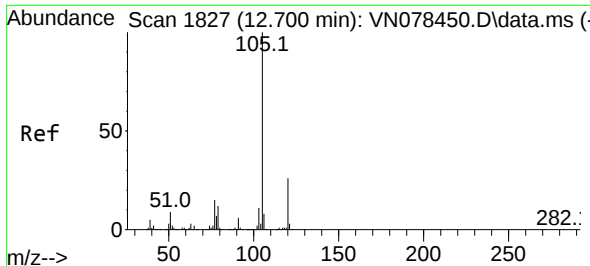


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



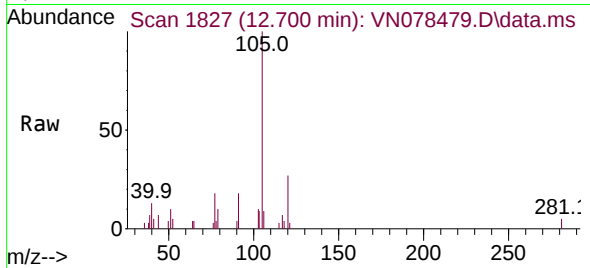
Tgt Ion:152 Resp: 210800
Ion Ratio Lower Upper
152 100
115 59.8 32.3 96.8
150 158.1 0.0 355.8





#73
Isopropylbenzene
Concen: 0.509 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

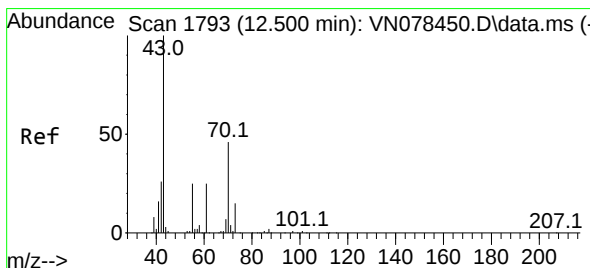
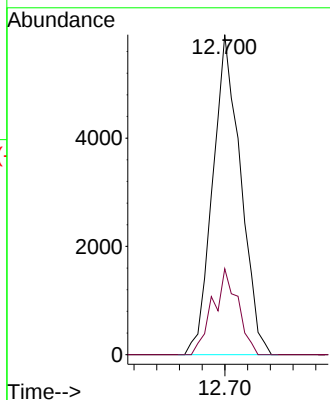
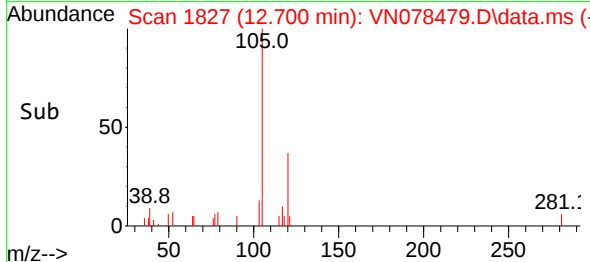
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



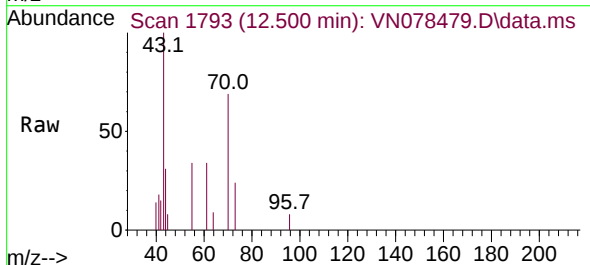
Tgt Ion: 105 Resp: 10079
Ion Ratio Lower Upper
105 100
120 24.1 13.1 39.1

Manual Integrations
APPROVED

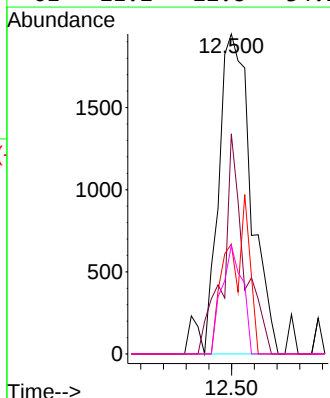
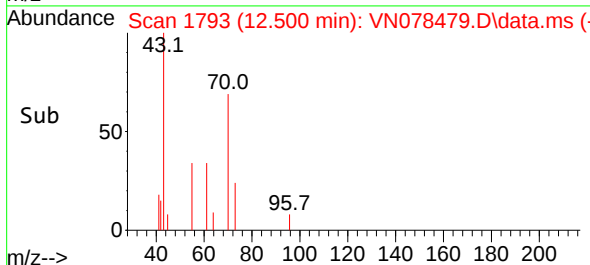
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

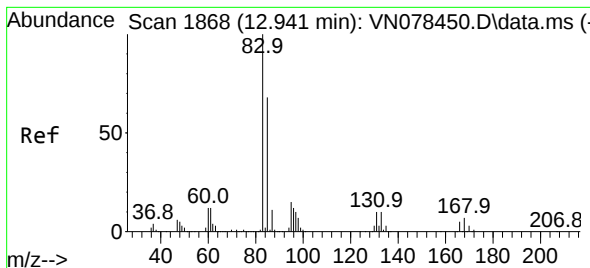


#74
N-ethyl acetate
Concen: 0.581 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



Tgt Ion: 43 Resp: 3963
Ion Ratio Lower Upper
43 100
70 43.9 43.4 65.2
55 18.2 21.4 32.0#
61 21.2 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.576 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. 0.006 min

Lab File: VN078479.D

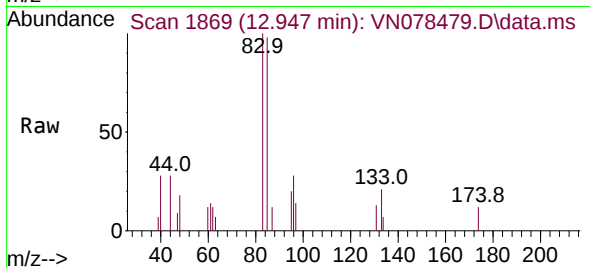
Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023



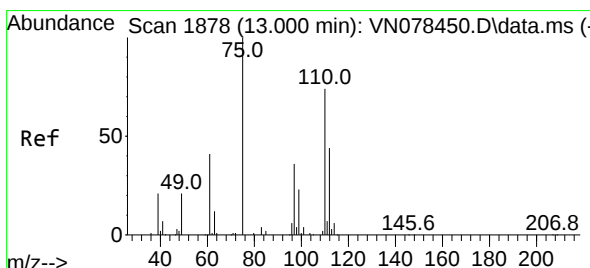
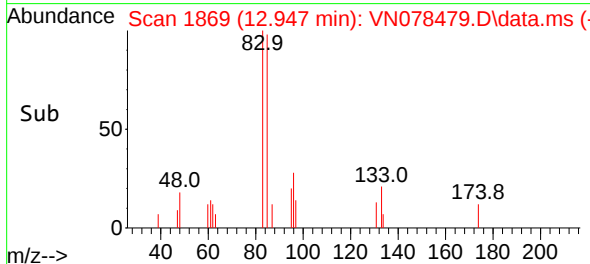
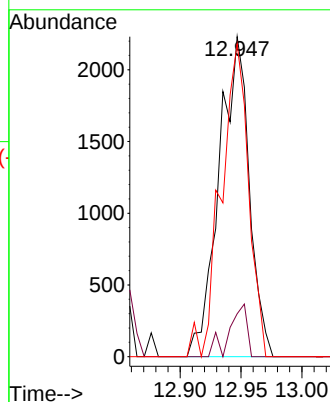
Tgt Ion:	83	Resp:	385
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	15.0
85	88.9	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#76

1,2,3-Trichloropropane

Concen: 0.669 ug/l m

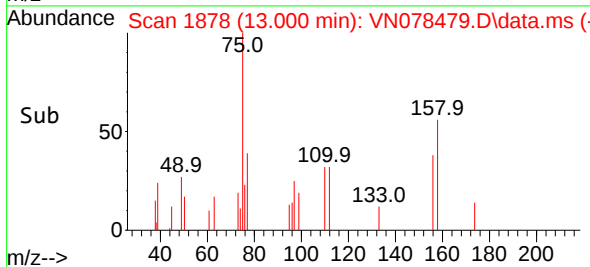
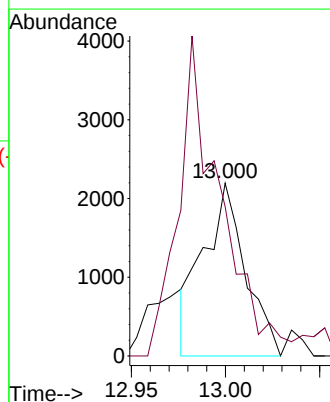
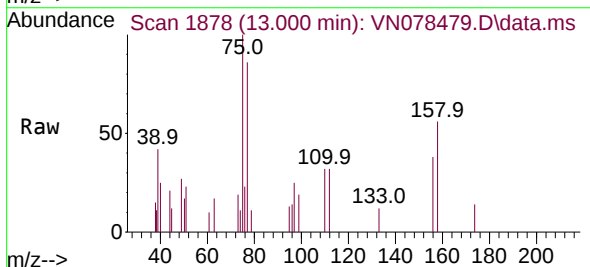
RT: 13.000 min Scan# 1878

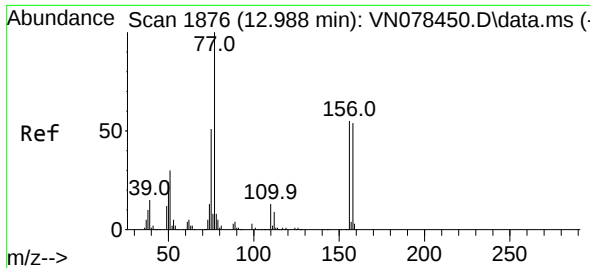
Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Tgt Ion:	75	Resp:	3409
Ion Ratio	Lower	Upper	
75	100		
77	56.8	84.5	253.5#





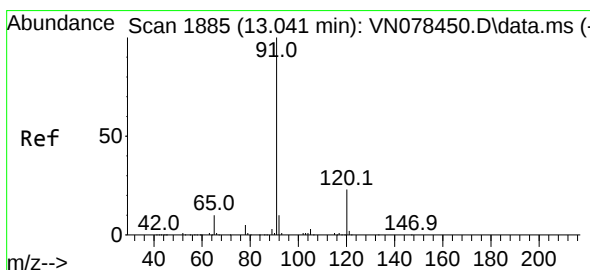
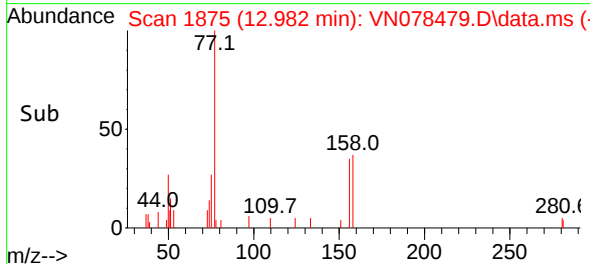
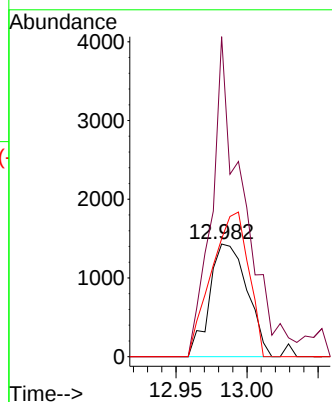
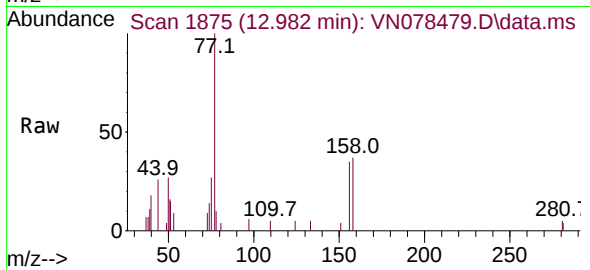
#77
Bromobenzene
Concen: 0.541 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:156 Resp: 263
Ion Ratio Lower Upper
156 100
77 237.6 107.7 323.3
158 126.8 48.4 145.3

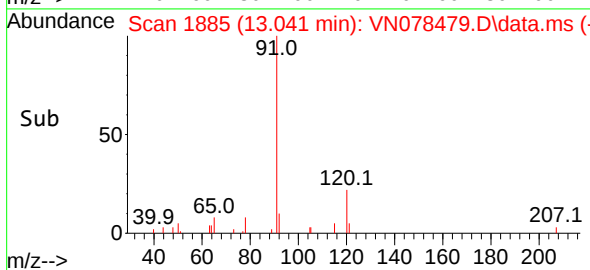
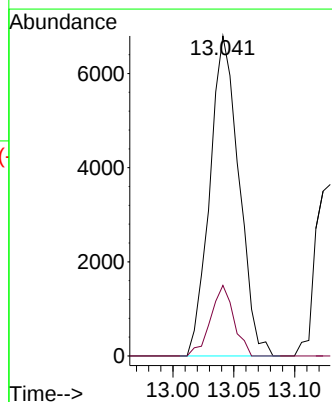
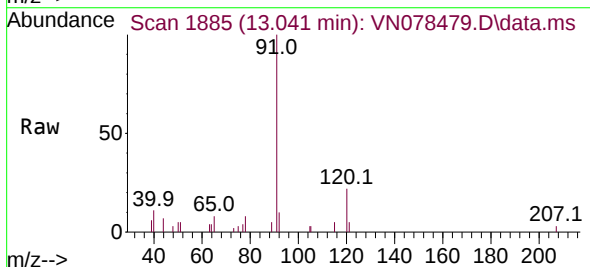
Manual Integrations
APPROVED

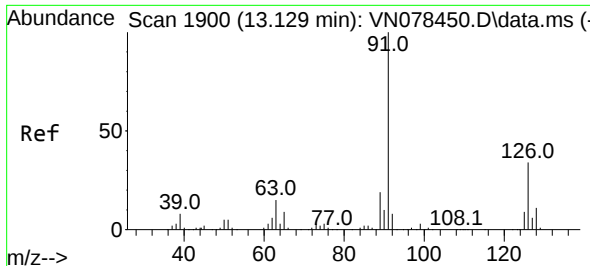
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#78
n-propylbenzene
Concen: 0.535 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 91 Resp: 11343
Ion Ratio Lower Upper
91 100
120 17.5 11.5 34.4





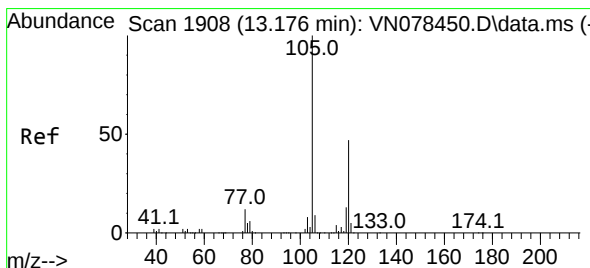
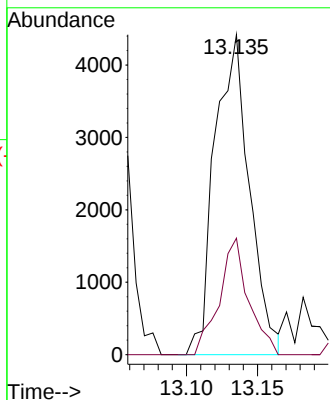
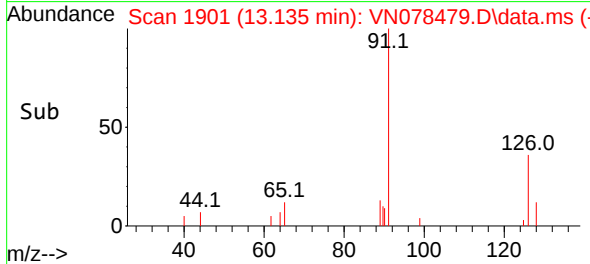
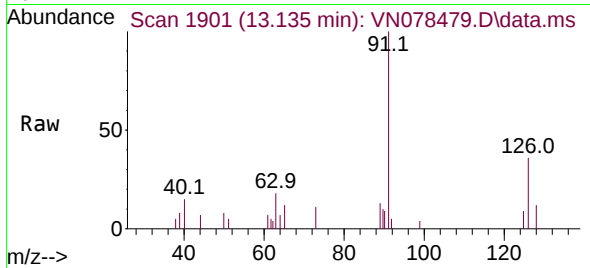
#79
2-Chlorotoluene
Concen: 0.540 ug/l
RT: 13.135 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 7498
Ion Ratio Lower Upper
91 100
126 30.7 16.3 48.8

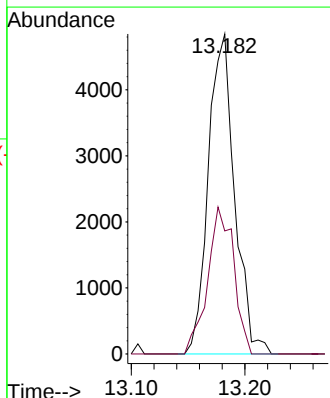
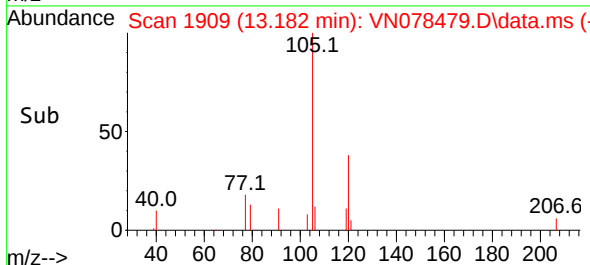
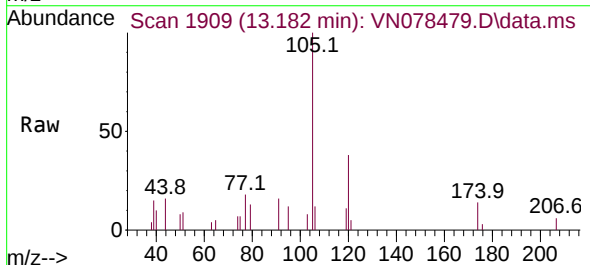
Manual Integrations
APPROVED

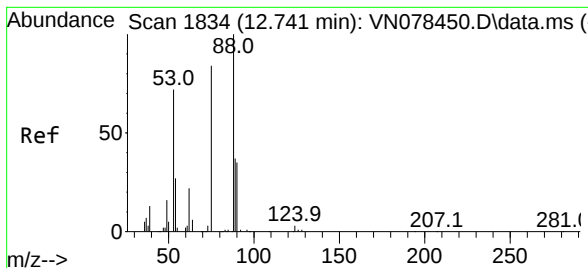
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.498 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

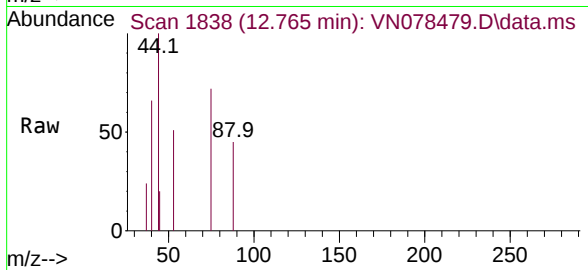
Tgt Ion:105 Resp: 7799
Ion Ratio Lower Upper
105 100
120 45.6 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 0.491 ug/l m
RT: 12.765 min Scan# 1838
Delta R.T. 0.024 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

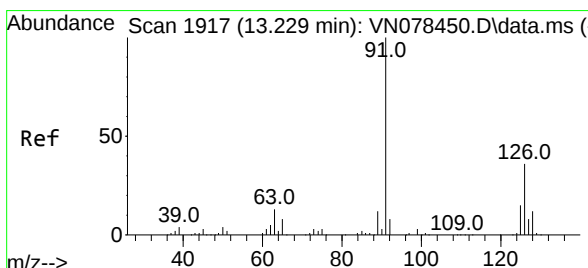
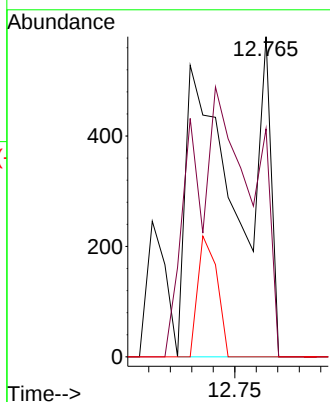
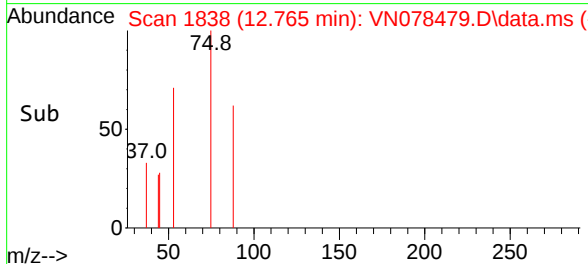
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
53 5.9 67.4 101.2
89 0.0 38.8 58.2

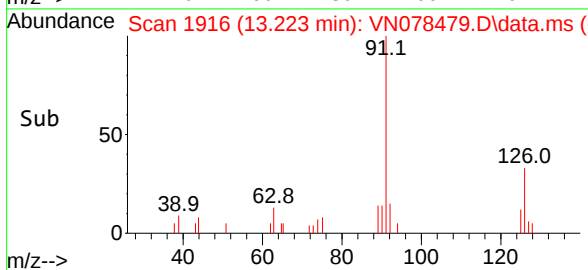
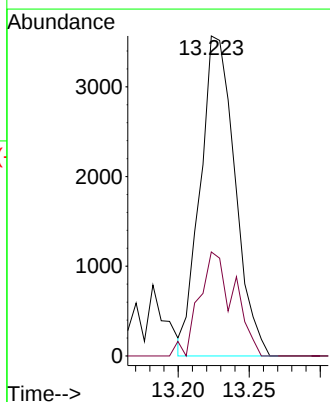
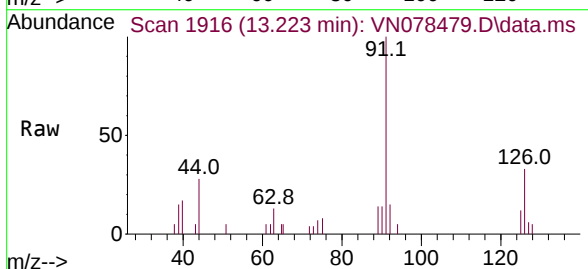
Manual Integrations
APPROVED

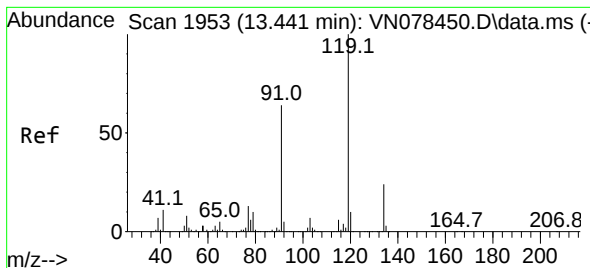
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#82
4-Chlorotoluene
Concen: 0.468 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

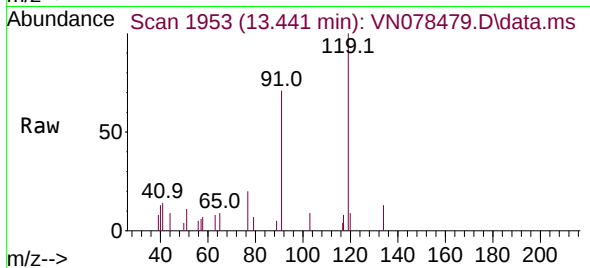
Tgt Ion: 91 Resp: 6056
Ion Ratio Lower Upper
91 100
126 32.9 16.7 50.0





#83
tert-Butylbenzene
Concen: 0.525 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

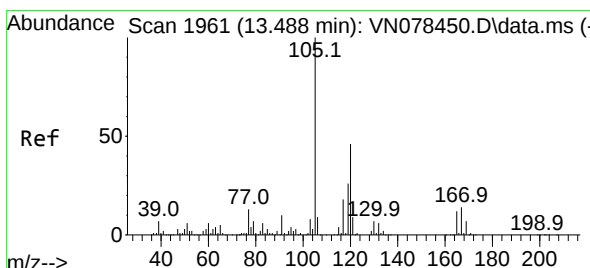
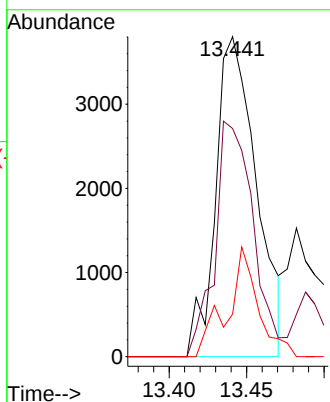
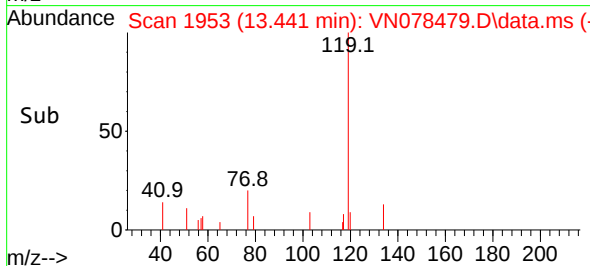
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



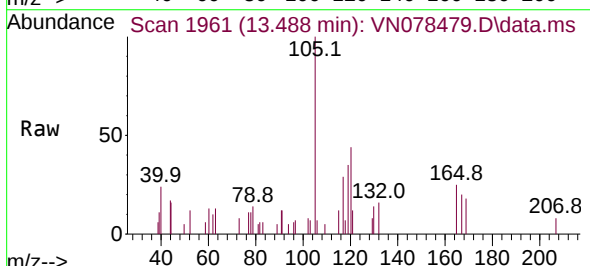
Tgt Ion:119 Resp: 697
Ion Ratio Lower Upper
119 100
91 68.2 33.9 101.7
134 25.9 13.2 39.6

Manual Integrations
APPROVED

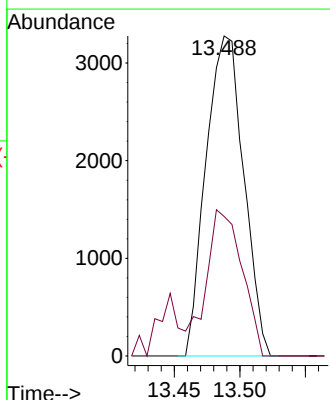
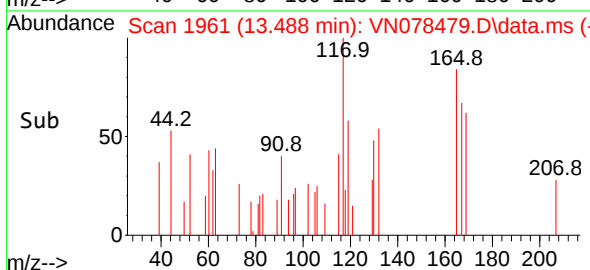
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

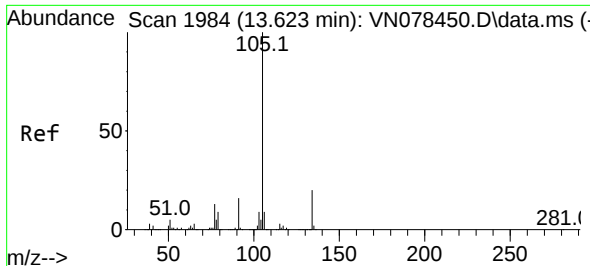


#84
1,2,4-Trimethylbenzene
Concen: 0.431 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



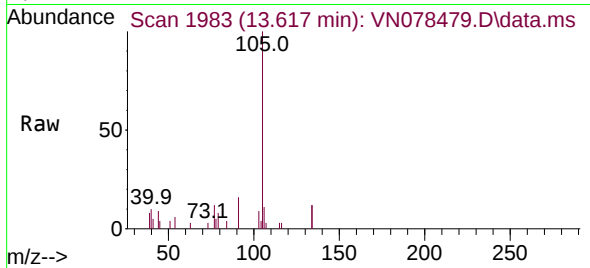
Tgt Ion:105 Resp: 6553
Ion Ratio Lower Upper
105 100
120 43.2 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 0.542 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

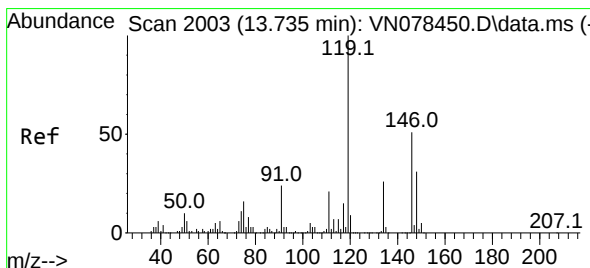
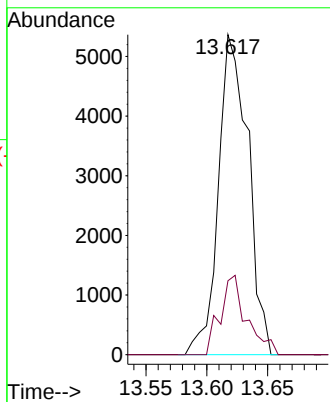
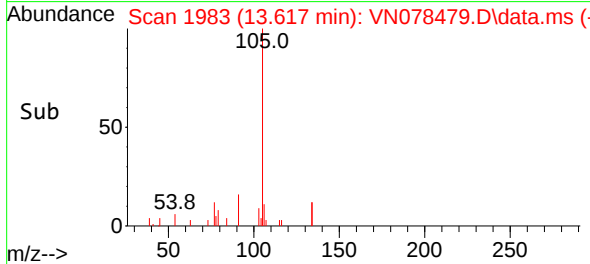
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



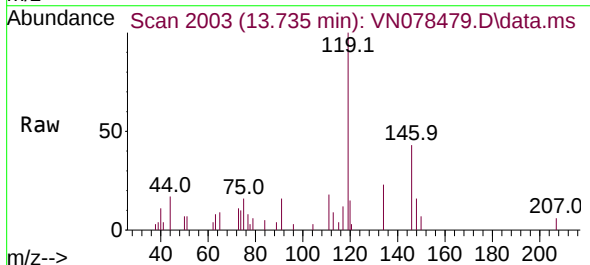
Tgt Ion:105 Resp: 9104
 Ion Ratio Lower Upper
 105 100
 134 22.0 9.8 29.3

Manual Integrations
 APPROVED

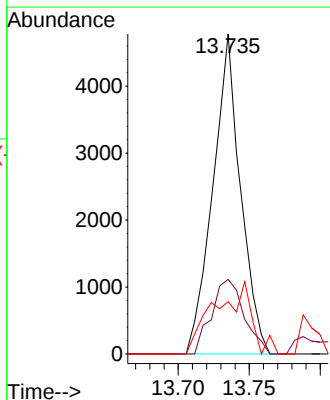
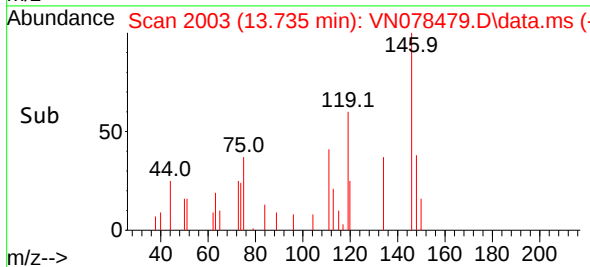
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

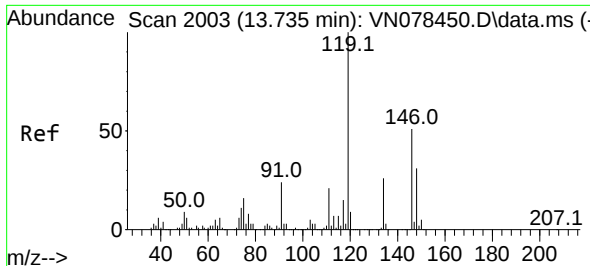


#86
 p-Isopropyltoluene
 Concen: 0.479 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04



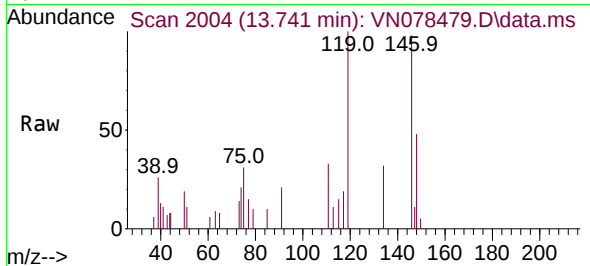
Tgt Ion:119 Resp: 6465
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.6 37.8
 91 30.4 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 0.491 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

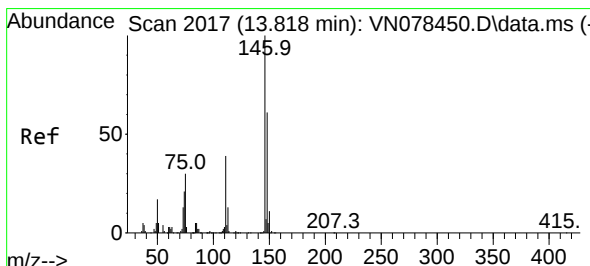
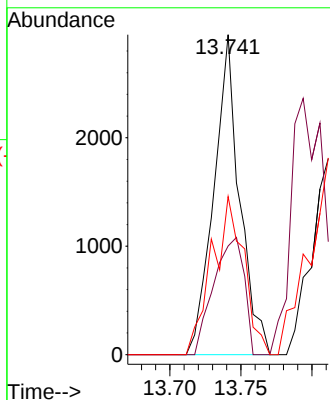
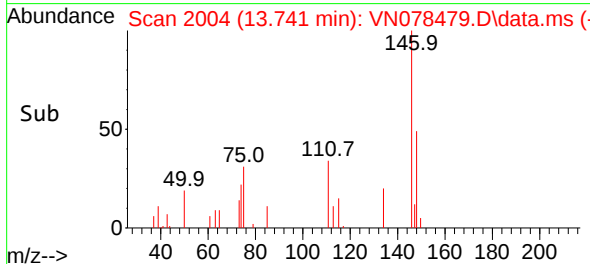
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:146 Resp: 3730
Ion Ratio Lower Upper
146 100
111 43.1 22.1 66.3
148 60.8 32.0 96.0

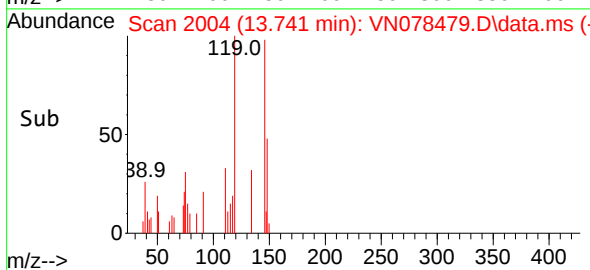
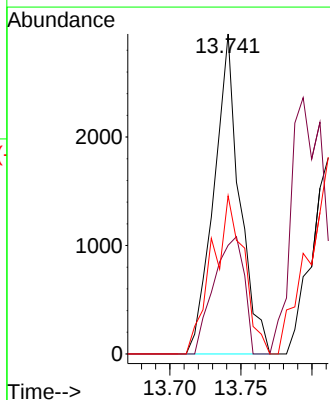
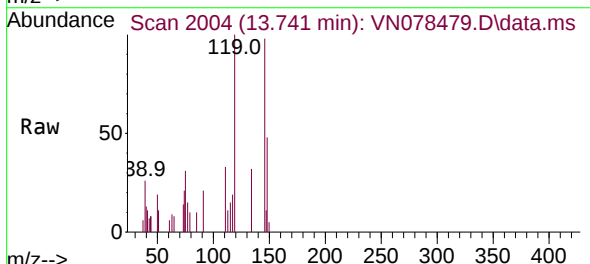
Manual Integrations
APPROVED

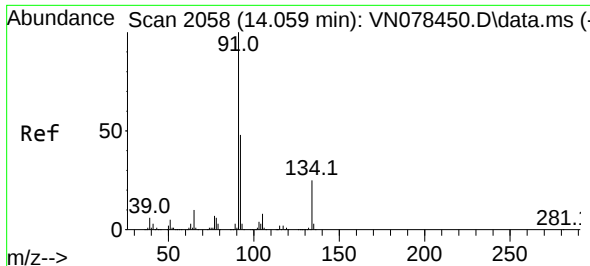
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#88
1,4-Dichlorobenzene
Concen: 0.487 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.077 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion:146 Resp: 3730
Ion Ratio Lower Upper
146 100
111 43.1 20.6 61.8
148 60.8 31.6 94.8





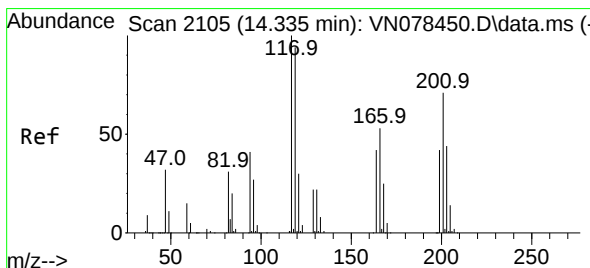
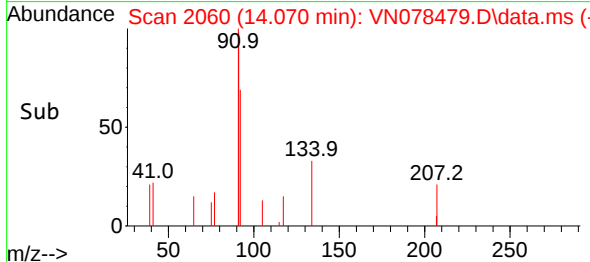
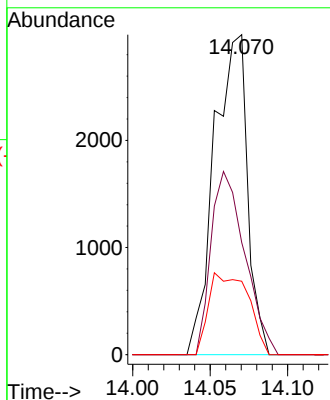
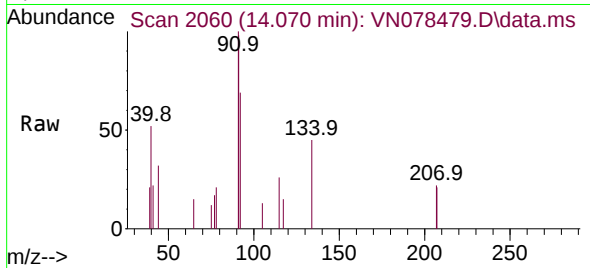
#89
n-Butylbenzene
Concen: 0.460 ug/l
RT: 14.070 min Scan# 2058
Delta R.T. 0.011 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 4440
Ion Ratio Lower Upper
91 100
92 58.5 26.4 79.0
134 30.4 12.6 37.6

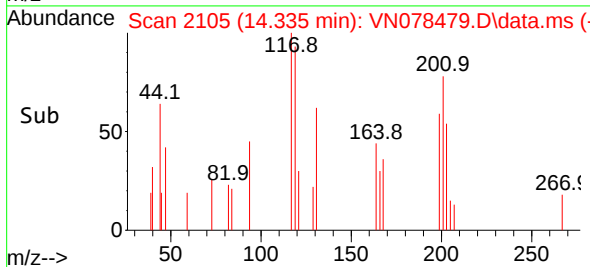
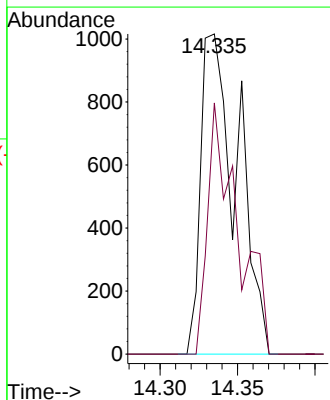
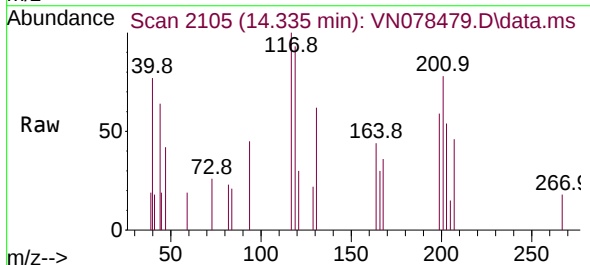
Manual Integrations
APPROVED

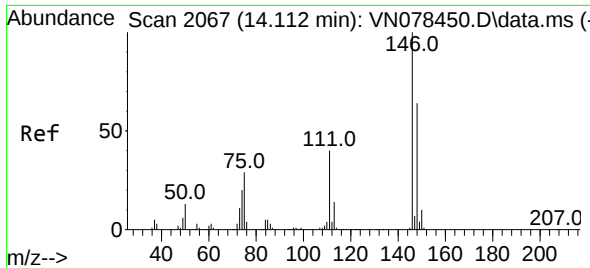
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#90
Hexachloroethane
Concen: 0.587 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

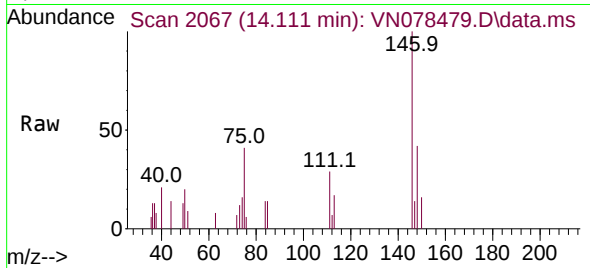
Tgt Ion:117 Resp: 1672
Ion Ratio Lower Upper
117 100
201 64.3 29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 0.516 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. -0.001 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

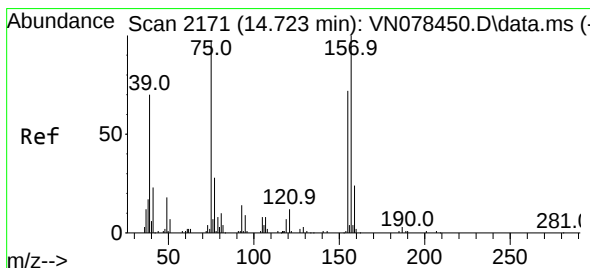
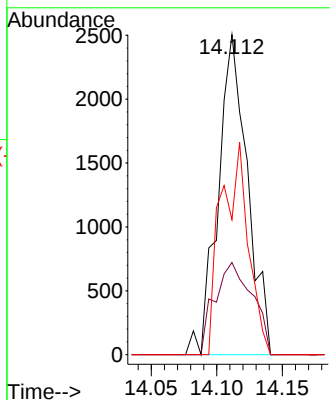
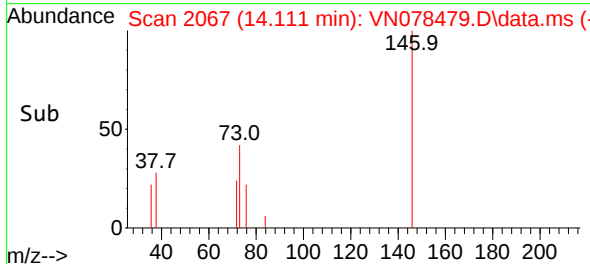
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



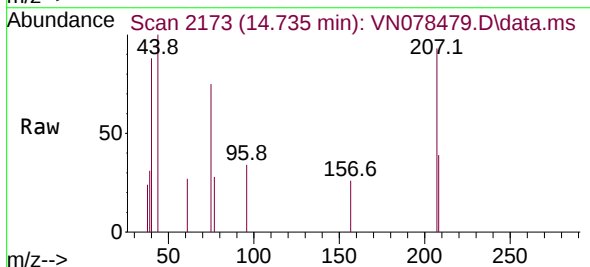
Tgt Ion:146 Resp: 3902
Ion Ratio Lower Upper
146 100
111 36.9 22.0 66.0
148 61.5 31.8 95.3

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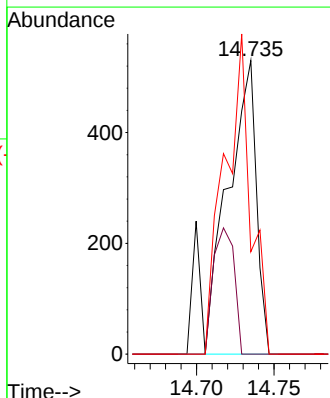
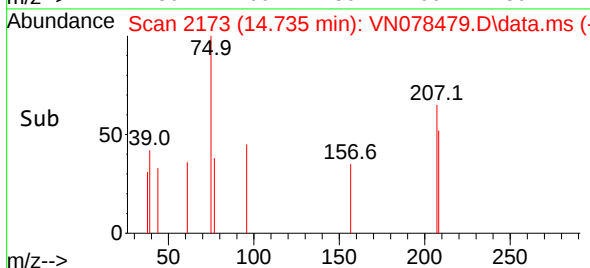
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

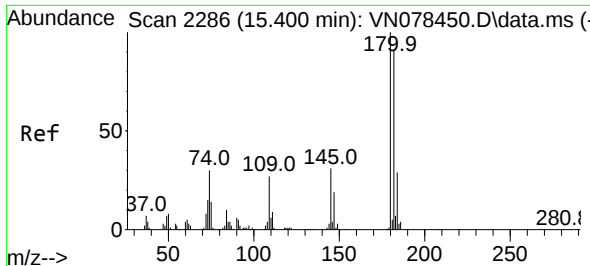


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.687 ug/l
RT: 14.735 min Scan# 2173
Delta R.T. 0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



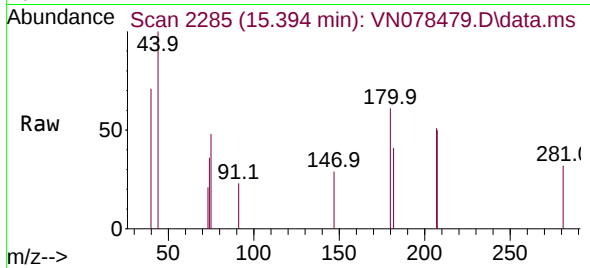
Tgt Ion: 75 Resp: 757
Ion Ratio Lower Upper
75 100
155 28.1 39.1 117.2#
157 89.8 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 0.318 ug/l
RT: 15.394 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

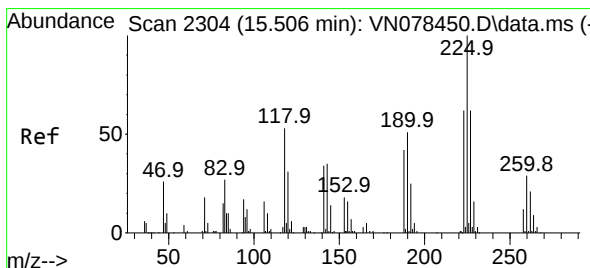
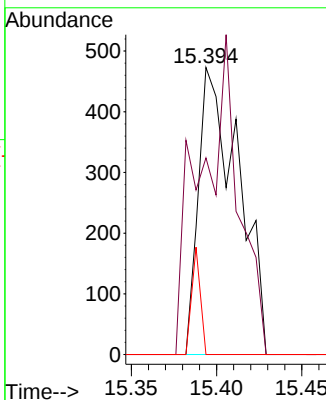
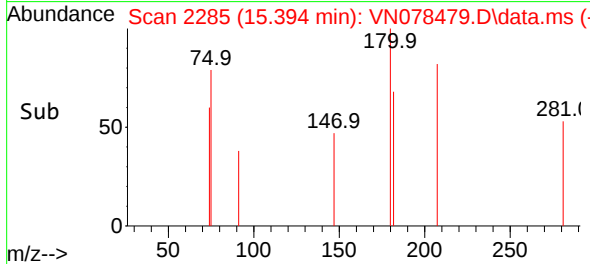
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:180 Resp: 769
Ion Ratio Lower Upper
180 100
182 107.2 46.1 138.2
145 8.1 16.6 49.8

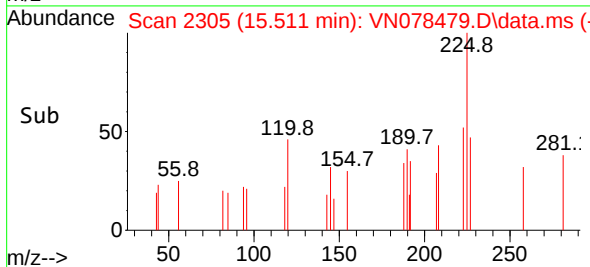
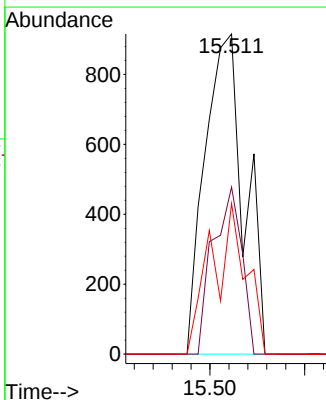
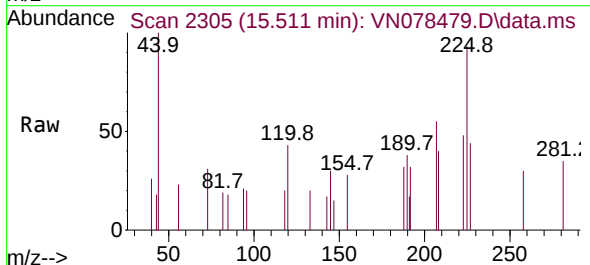
Manual Integrations
APPROVED

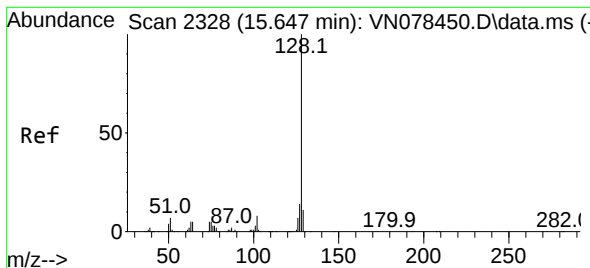
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#94
Hexachlorobutadiene
Concen: 0.835 ug/l
RT: 15.511 min Scan# 2305
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

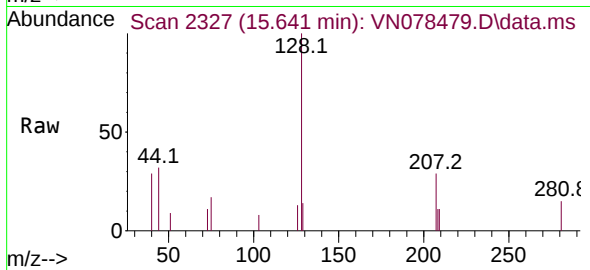
Tgt Ion:225 Resp: 1319
Ion Ratio Lower Upper
225 100
223 38.2 31.3 93.8
227 41.5 31.9 95.9





#95
Naphthalene
Concen: 0.485 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

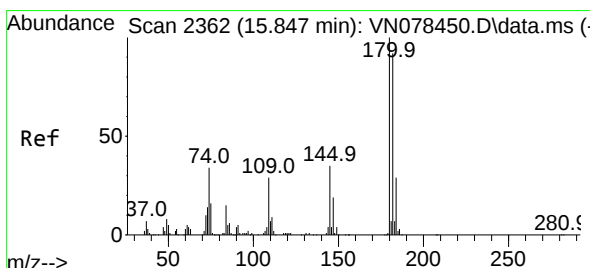
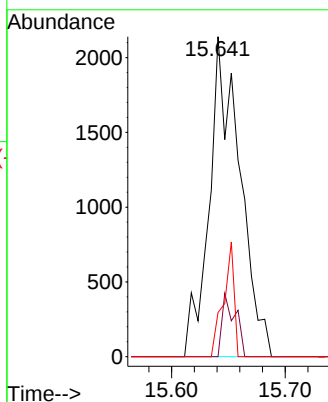
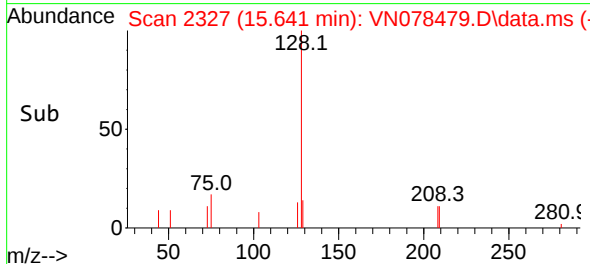
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



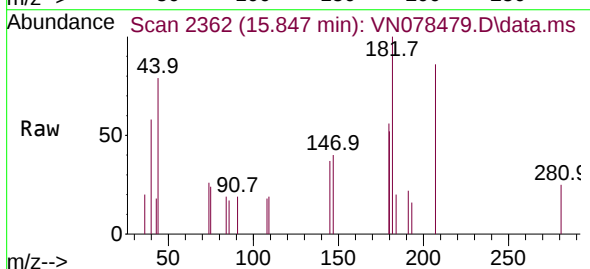
Tgt Ion:128 Resp: 4000
Ion Ratio Lower Upper
128 100
127 8.6 10.0 15.0
129 12.5 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.650 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



Tgt Ion:180 Resp: 1805
Ion Ratio Lower Upper
180 100
182 88.2 46.2 138.6
145 24.1 17.5 52.6

