

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079599.D
 Acq On : 18 Oct 2023 14:08
 Operator : JC\MD
 Sample : 04699-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 19 06:14:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/20/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	19341	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	132058	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	159683	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	82978	30.175	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.600%			
60) 4-Bromofluorobenzene	12.853	95	72166	24.713	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.367%			
63) Toluene-d8	10.571	98	207044	30.258	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.867%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	7245	2.583	ug/l	98
3) Chloromethane	2.371	50	9104	2.504	ug/l	91
4) Vinyl Chloride	2.518	62	10345	2.637	ug/l #	86
5) Bromomethane	2.965	94	7287	2.996	ug/l	83
6) Chloroethane	3.130	64	8890	3.219	ug/l	99
7) Trichlorofluoromethane	3.495	101	12624	2.637	ug/l	94
8) Diethyl Ether	3.971	74	4474	2.579	ug/l	34
9) 1,1,2-Trichlorotrifluo...	4.377	101	6946	2.536	ug/l	80
10) 1,1-Dichloroethene	4.342	96	6012	2.307	ug/l #	56
11) Methyl Iodide	4.589	142	5461m	1.893	ug/l	
12) Methyl Acetate	5.036	43	15353	2.444	ug/l	92
13) Acrolein	4.195	56	7089m	13.650	ug/l	
14) Acrylonitrile	5.718	53	17267	11.477	ug/l	77
15) Acetone	4.436	58	5661	11.878	ug/l	85
16) Carbon Disulfide	4.718	76	20032m	2.521	ug/l	
17) Allyl chloride	5.024	41	11022m	2.743	ug/l	
18) Methylene Chloride	5.283	84	10110	3.152	ug/l #	78
19) trans-1,2-Dichloroethene	5.795	96	7426	2.547	ug/l #	86
20) Diisopropyl ether	6.683	45	20559	2.158	ug/l #	87
21) 1,1-Dichloroethane	6.577	63	14804	2.557	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	8002	2.383	ug/l	90
23) tert-Butyl Alcohol	5.536	59	6717m	13.352	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	19528m	2.233	ug/l	
25) Chloroform	7.977	83	15077m	2.577	ug/l	
26) Cyclohexane	8.259	56	9530m	2.178	ug/l	
29) 1,1-Dichloropropene	8.377	75	9524	2.468	ug/l	92
30) 2-Butanone	7.494	43	23424	12.109	ug/l #	97
31) 2,2-Dichloropropane	7.494	77	11396	2.619	ug/l #	63
32) 1,1,1-Trichloroethane	8.171	97	12615	2.750	ug/l	98
33) Carbon Tetrachloride	8.365	117	11086m	2.842	ug/l	
34) Benzene	8.606	78	29134	2.485	ug/l #	66
35) Methacrylonitrile	7.783	41	4418m	2.171	ug/l	
36) 1,2-Dichloroethane	8.677	62	12192	2.912	ug/l	98
37) Trichloroethene	9.353	130	7571	2.762	ug/l	89
38) Methylcyclohexane	9.600	83	8652	2.329	ug/l	97
39) 1,2-Dichloropropane	9.624	63	8539	2.760	ug/l	91
40) Dibromomethane	9.712	93	5511	2.714	ug/l	99
41) Bromodichloromethane	9.894	83	11506	2.734	ug/l	87
42) Vinyl Acetate	6.606	43	53034	10.807	ug/l #	93

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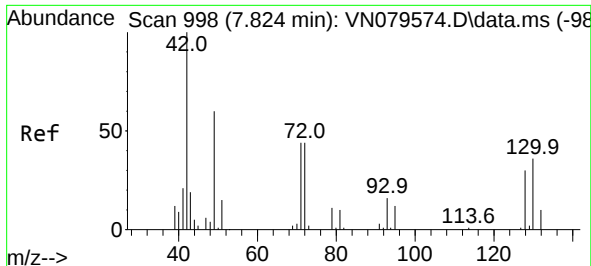
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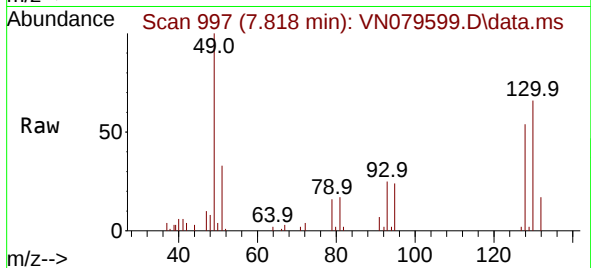
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	10609	2.917	ug/l #	82
44) Isopropyl Acetate	8.694	43	16383	2.534	ug/l	100
45) 1,4-Dioxane	9.694	88	2315m	45.736	ug/l	
46) Methyl methacrylate	9.688	41	5274	1.838	ug/l	86
47) n-amyl Acetate	12.500	43	7576	1.623	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	10102	2.375	ug/l	91
49) cis-1,3-Dichloropropene	10.312	75	11091	2.384	ug/l #	92
50) 1,1,2-Trichloroethane	11.024	97	7362	2.613	ug/l	92
51) Ethyl methacrylate	10.882	69	8125	2.090	ug/l	93
52) 1,3-Dichloropropane	11.171	76	12623	2.529	ug/l	98
53) Dibromochloromethane	11.365	129	7167	2.489	ug/l	91
54) 1,2-Dibromoethane	11.471	107	6800	2.447	ug/l	94
55) 2-Chloroethyl vinyl ether	10.165	63	11548	7.787	ug/l	99
56) Bromoform	12.582	173	5179	2.719	ug/l #	92
58) 4-Methyl-2-Pentanone	10.447	43	39205	10.526	ug/l	97
59) 2-Hexanone	11.206	43	27499	10.064	ug/l	98
61) Tetrachloroethene	11.106	164	6847	3.123	ug/l #	78
62) Toluene	10.635	91	30883	2.531	ug/l	97
64) Chlorobenzene	11.894	112	18119	2.560	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.959	131	7943	2.946	ug/l	86
66) Ethyl Benzene	11.971	91	27825	2.213	ug/l	93
67) m/p-Xylenes	12.082	106	17660	3.797	ug/l	86
68) o-Xylene	12.400	106	9094	2.045	ug/l	95
69) Styrene	12.418	104	12465	1.766	ug/l	95
70) Isopropylbenzene	12.700	105	22122	1.939	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	10030	2.472	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	10012m	2.717	ug/l	
73) Bromobenzene	12.988	156	6159	2.298	ug/l	95
74) n-propylbenzene	13.041	91	24523	1.846	ug/l	97
75) 2-Chlorotoluene	13.129	91	17316	2.097	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	17824	1.911	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	2238	1.990	ug/l	91
78) 4-Chlorotoluene	13.224	91	13160	1.687	ug/l	99
79) tert-butylbenzene	13.441	119	14641	1.952	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	14362	1.589	ug/l	96
81) sec-Butylbenzene	13.623	105	19457	1.848	ug/l	96
82) p-Isopropyltoluene	13.729	119	14361	1.720	ug/l	89
83) 1,3-Dichlorobenzene	13.741	146	7423	1.684	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	6549	1.550	ug/l	93
85) n-Butylbenzene	14.059	91	8289	1.270	ug/l	100
86) Hexachloroethane	14.341	117	4317	2.391	ug/l	96
87) 1,2-Dichlorobenzene	14.112	146	7661	1.749	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.729	75	1278	2.067	ug/l #	87
89) 1,2,4-Trichlorobenzene	15.841	180	1689	1.094	ug/l #	94
90) Hexachlorobutadiene	15.500	225	2689	2.459	ug/l	80
91) Naphthalene	15.647	128	4824	1.211	ug/l	97
92) 1,2,3-Trichlorobenzene	15.841	180	1689	1.094	ug/l	94

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

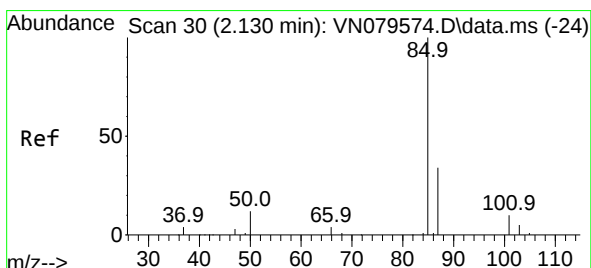
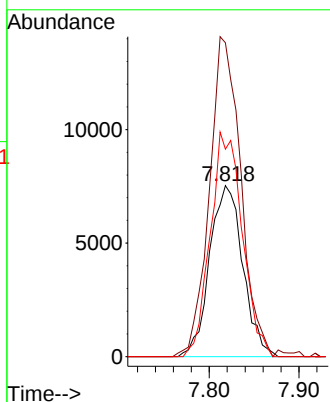
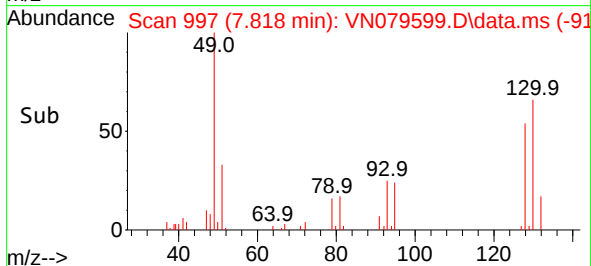
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:128 Resp: 1934
Ion Ratio Lower Upper
128 100
49 176.6 0.0 468.5
130 126.6 0.0 320.7

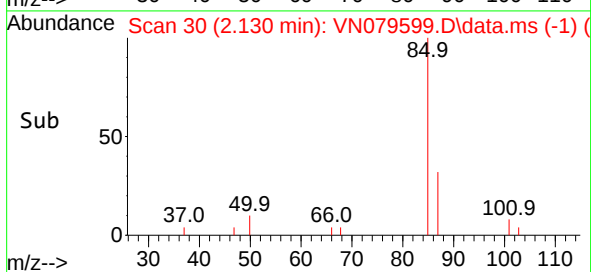
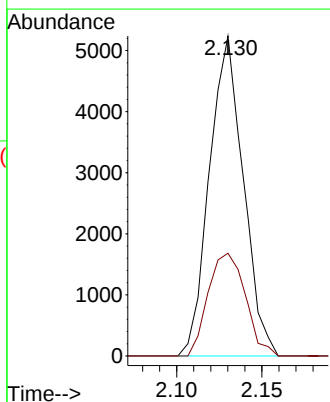
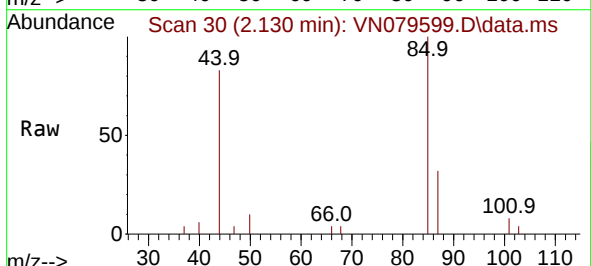
Manual Integrations
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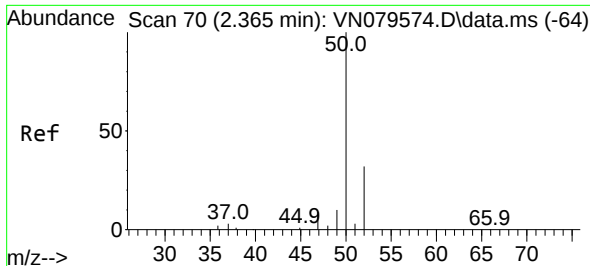
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#2
Dichlorodifluoromethane
Concen: 2.583 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 85 Resp: 7245
Ion Ratio Lower Upper
85 100
87 32.1 15.6 46.7





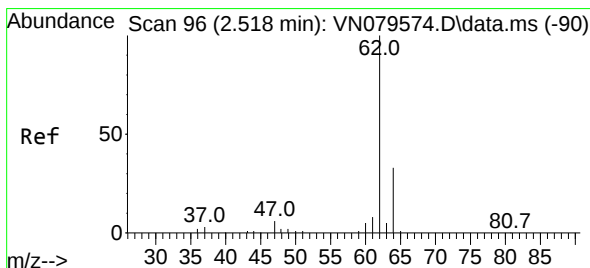
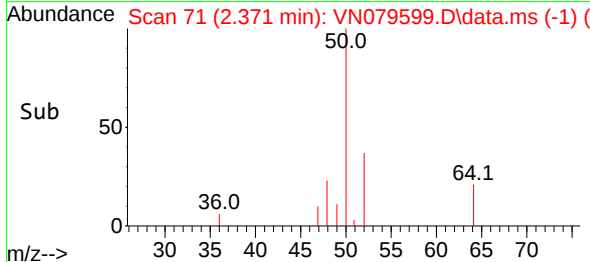
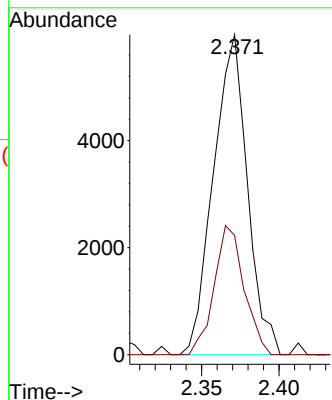
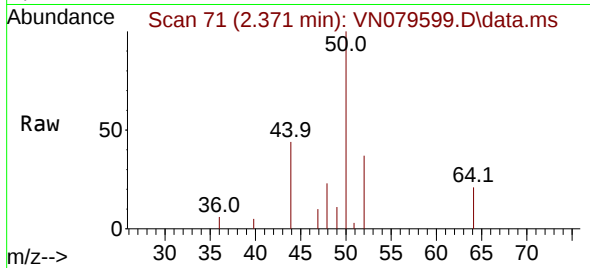
#3
Chloromethane
Concen: 2.504 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion: 50 Resp: 9104
Ion Ratio Lower Upper
50 100
52 37.3 25.6 38.4

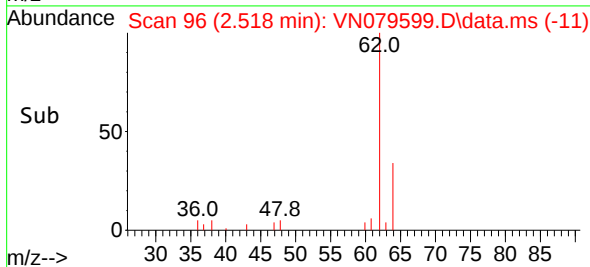
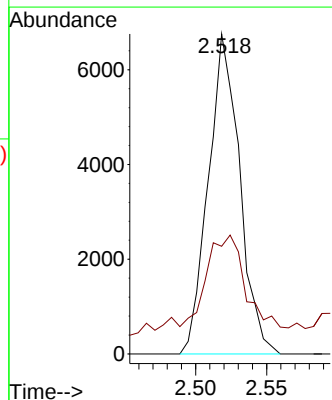
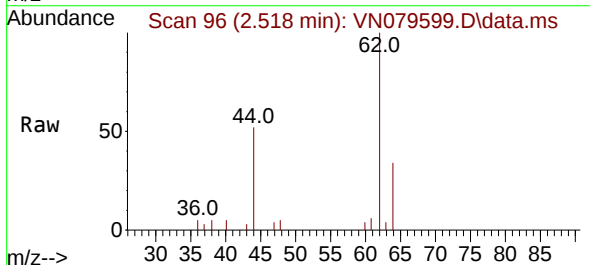
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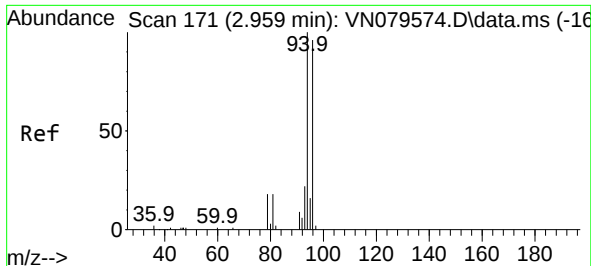
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#4
Vinyl Chloride
Concen: 2.637 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

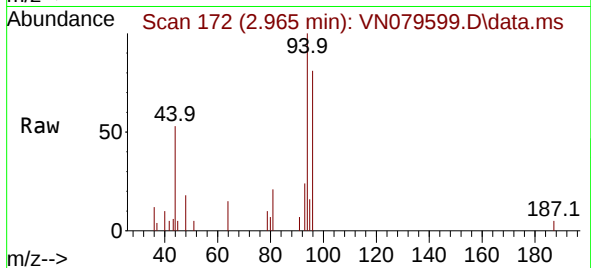
Tgt Ion: 62 Resp: 10345
Ion Ratio Lower Upper
62 100
64 25.3 26.4 39.6#





#5
Bromomethane
Concen: 2.996 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

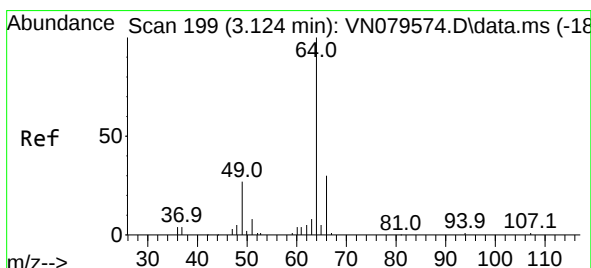
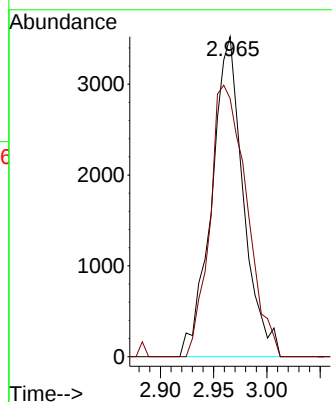
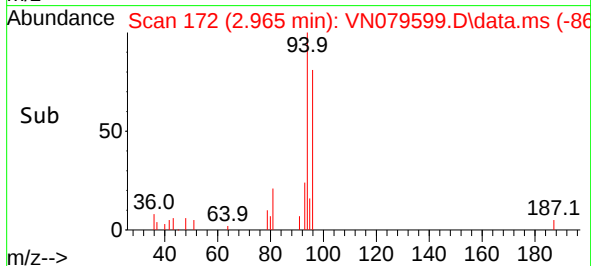
Instrument :
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MDL-WATER-03-QT4-2023



Tgt Ion: 94 Resp: 728
Ion Ratio Lower Upper
94 100
96 80.7 77.8 116.6

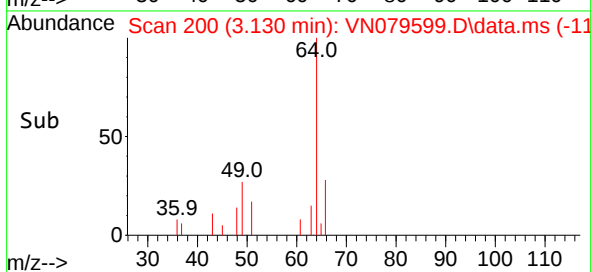
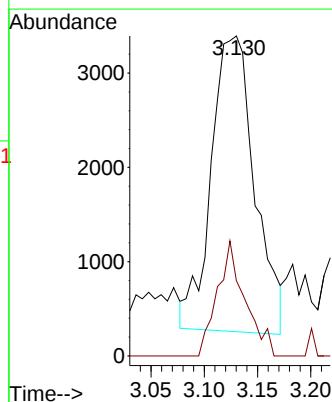
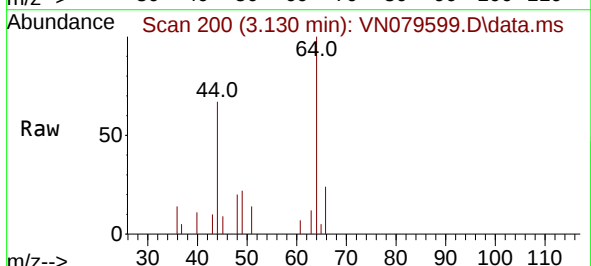
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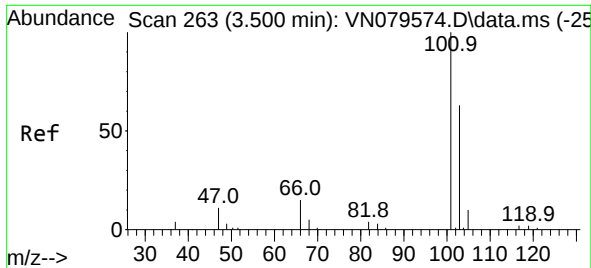
Reviewed By :John Carlone 10/19/2023
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#6
Chloroethane
Concen: 3.219 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

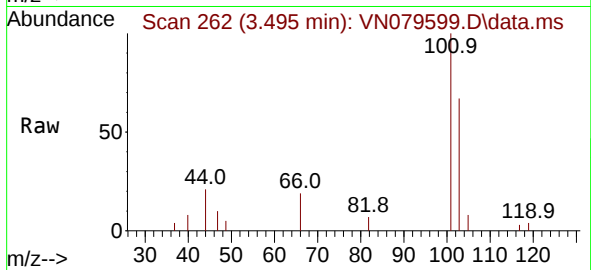
Tgt Ion: 64 Resp: 8890
Ion Ratio Lower Upper
64 100
66 28.4 23.3 34.9





#7
 Trichlorofluoromethane
 Concen: 2.637 ug/l
 RT: 3.495 min Scan# 262
 Delta R.T. -0.006 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

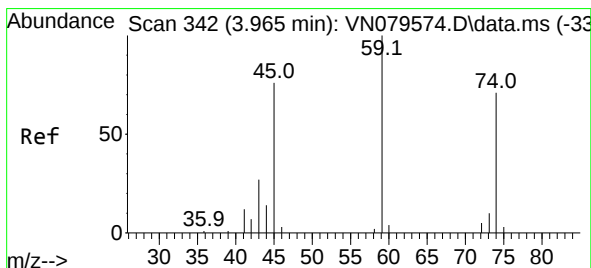
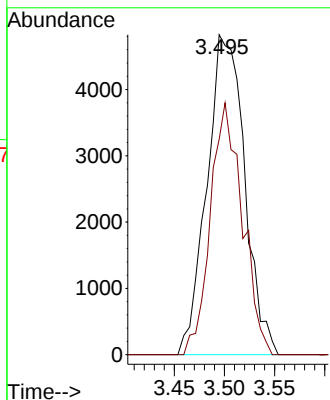
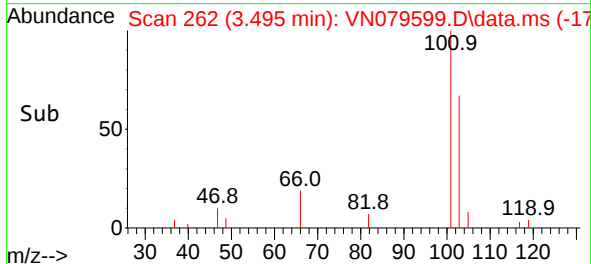
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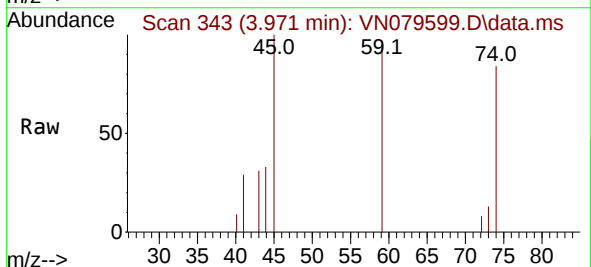
Tgt Ion:101 Resp: 12624
 Ion Ratio Lower Upper
 101 100
 103 67.3 49.9 74.9

Manual Integrations
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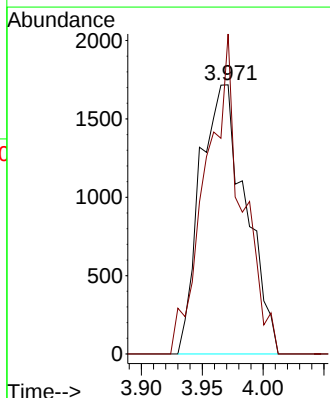
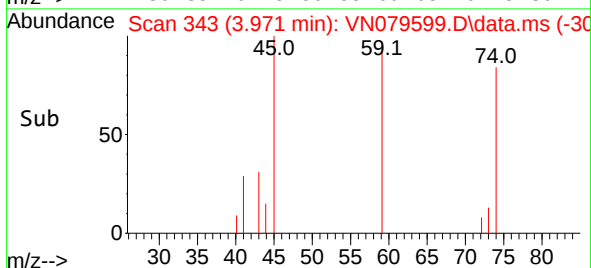
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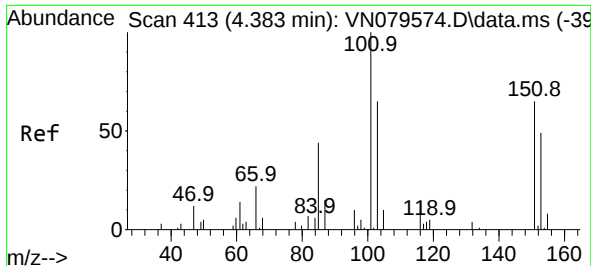


#8
 Diethyl Ether
 Concen: 2.579 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08



Tgt Ion: 74 Resp: 4474
 Ion Ratio Lower Upper
 74 100
 45 31.2 19.0 171.0





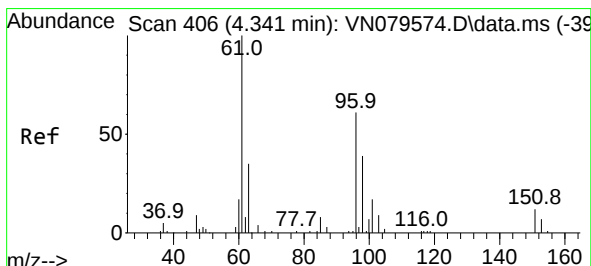
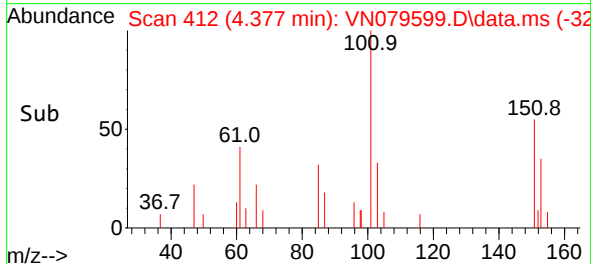
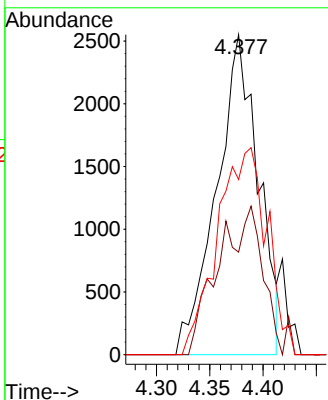
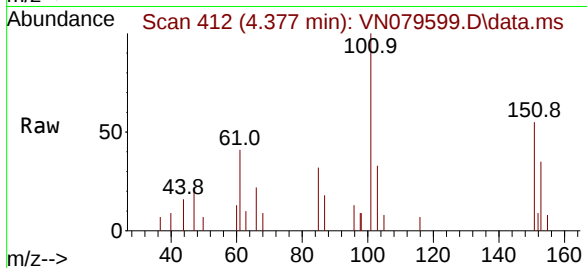
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.536 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion:101 Resp: 6940
Ion Ratio Lower Upper
101 100
85 22.5 0.0 92.0
151 76.9 0.0 138.4

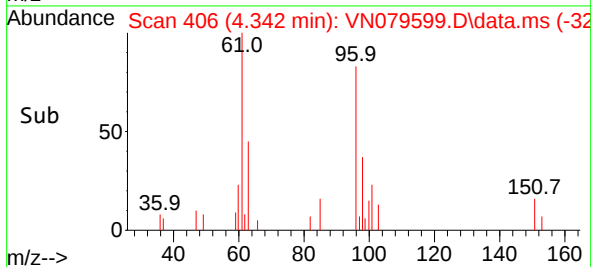
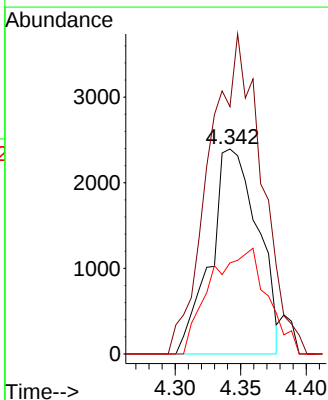
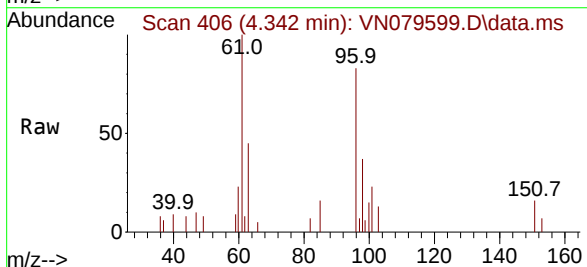
Manual Integrations
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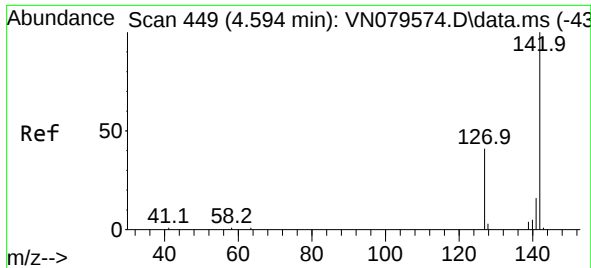
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#10
1,1-Dichloroethene
Concen: 2.307 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

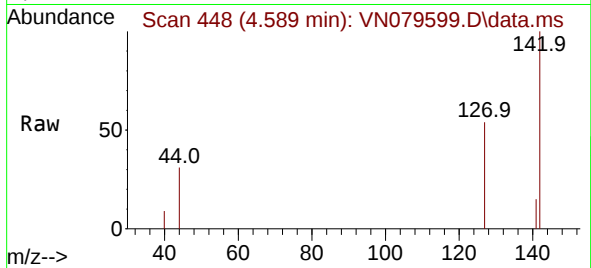
Tgt Ion: 96 Resp: 6012
Ion Ratio Lower Upper
96 100
61 106.5 141.3 211.9#
98 44.4 53.2 79.8#





#11
Methyl Iodide
Concen: 1.893 ug/l m
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

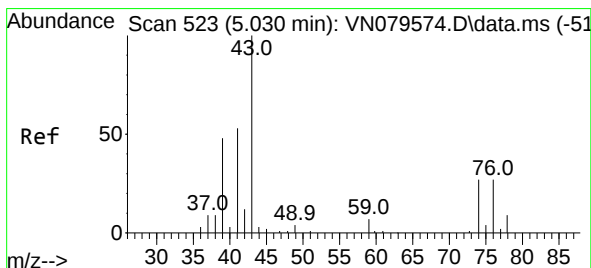
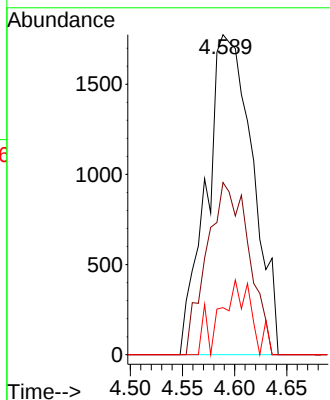
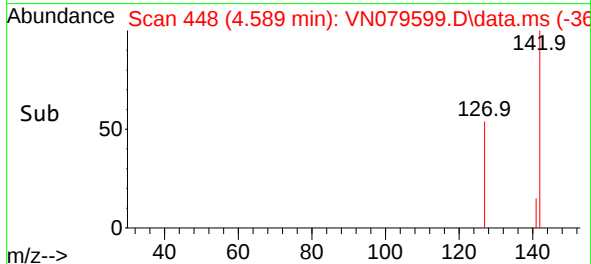
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:142 Resp: 546
Ion Ratio Lower Upper
142 100
127 53.8 24.6 73.8
141 14.7 7.7 23.1

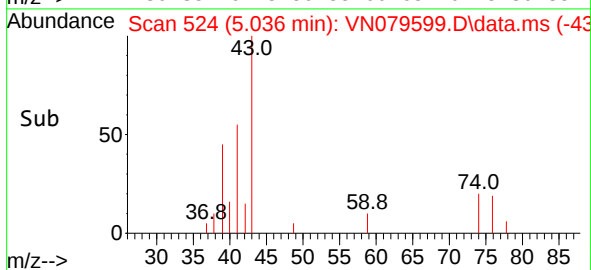
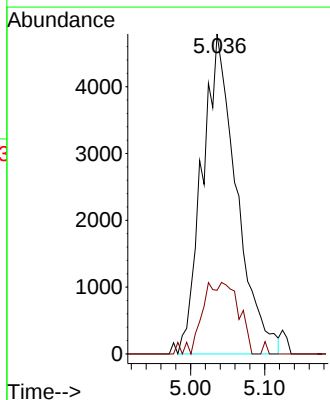
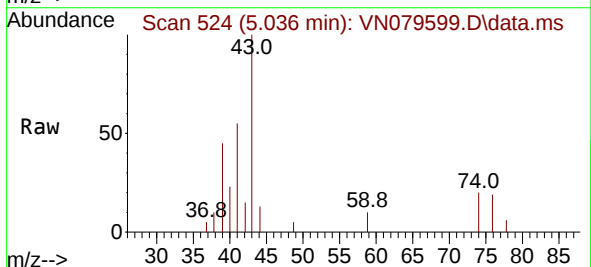
Manual Integrations
APPROVED

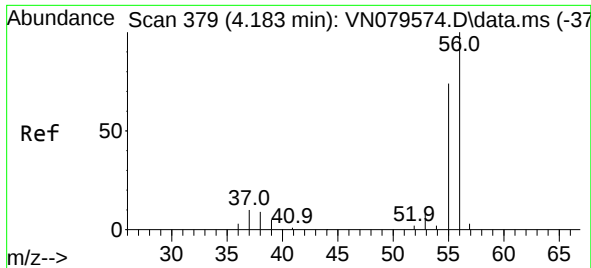
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#12
Methyl Acetate
Concen: 2.444 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

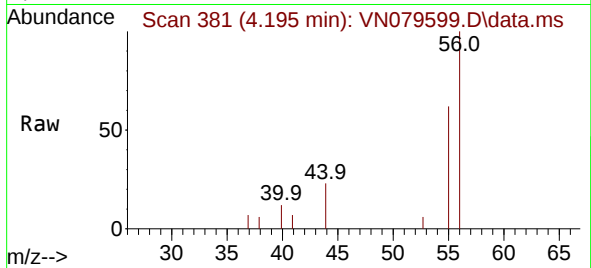
Tgt Ion: 43 Resp: 15353
Ion Ratio Lower Upper
43 100
74 18.6 18.1 27.1





#13
Acrolein
Concen: 13.650 ug/l m
RT: 4.195 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

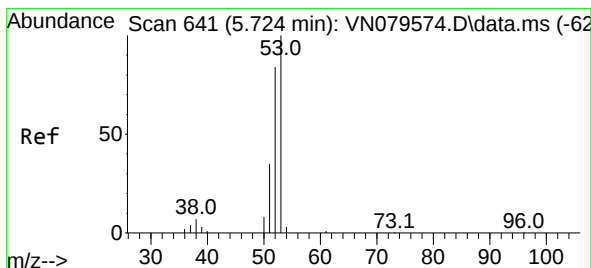
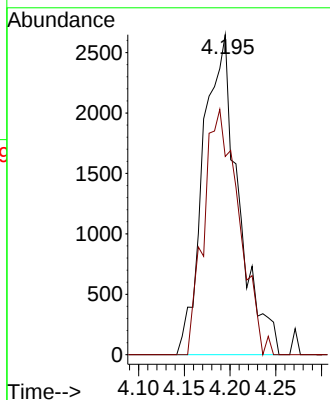
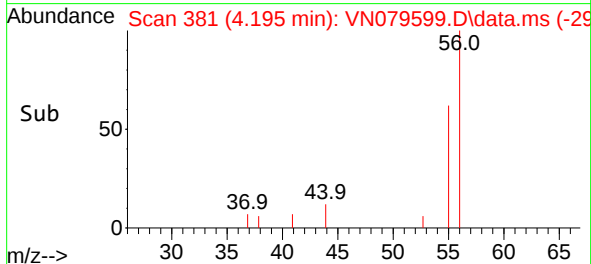
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 56 Resp: 7089
Ion Ratio Lower Upper
56 100
55 75.4 57.1 85.7

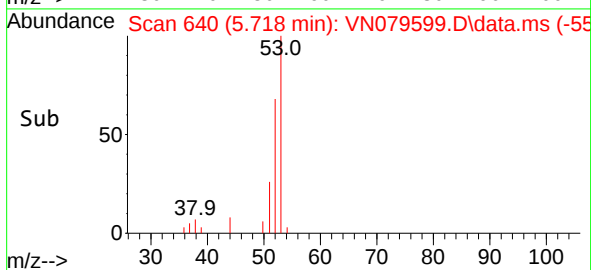
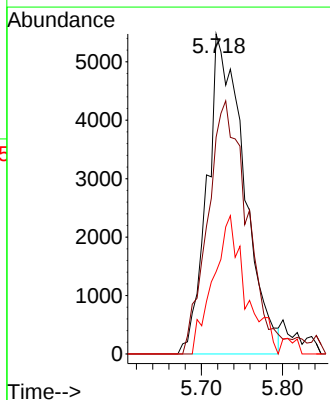
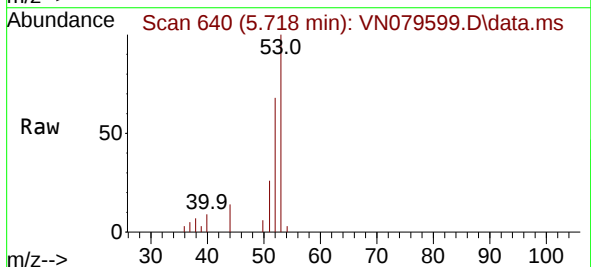
Manual Integrations
APPROVED

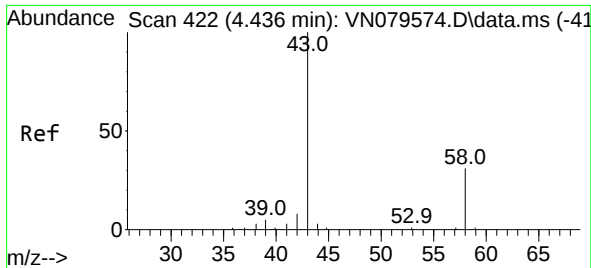
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#14
Acrylonitrile
Concen: 11.477 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 53 Resp: 17267
Ion Ratio Lower Upper
53 100
52 57.4 41.6 124.9
51 30.7 17.8 53.3





#15

Acetone

Concen: 11.878 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Instrument :

MSVOA_N

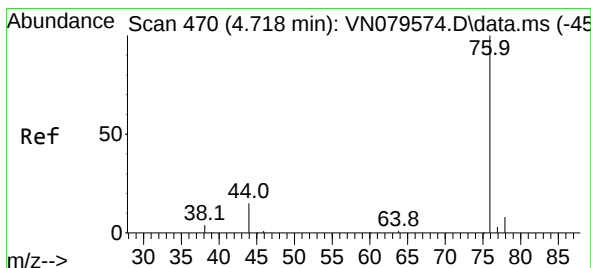
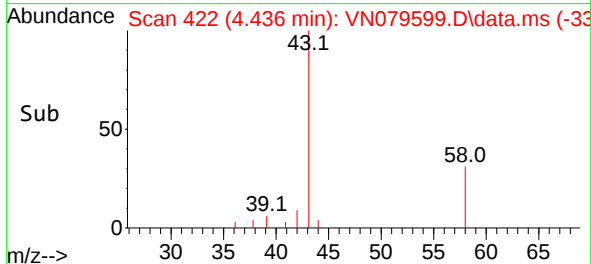
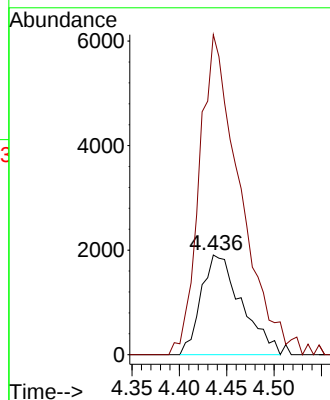
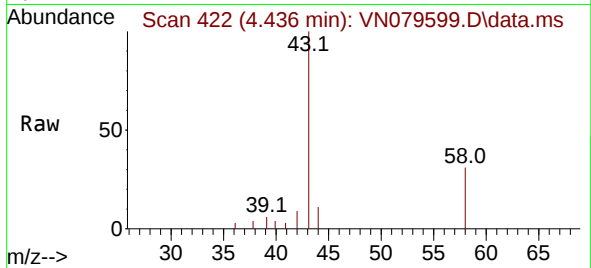
ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 58 Resp: 566
 Ion Ratio Lower Upper
 58 100
 43 310.3 225.2 337.8

Manual Integrations
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Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#16

Carbon Disulfide

Concen: 2.521 ug/l m

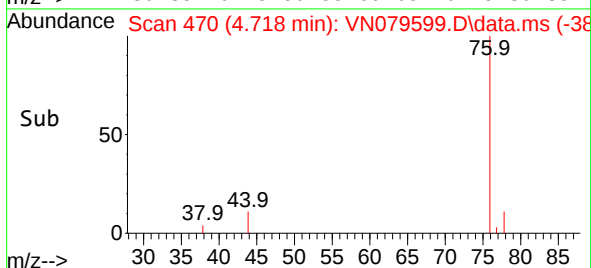
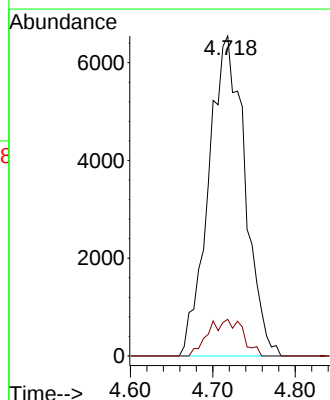
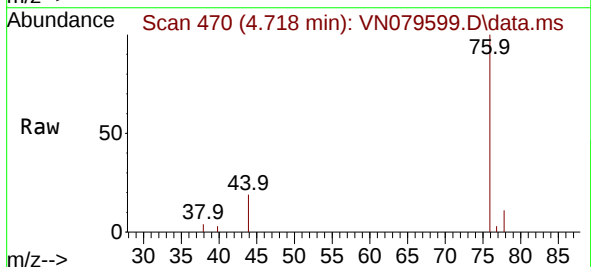
RT: 4.718 min Scan# 470

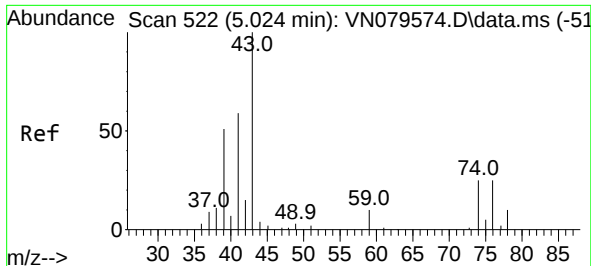
Delta R.T. 0.000 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

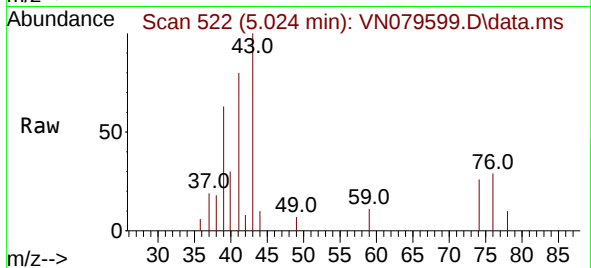
Tgt Ion: 76 Resp: 20032
 Ion Ratio Lower Upper
 76 100
 78 11.5 7.5 11.3#





#17
 Allyl chloride
 Concen: 2.743 ug/l m
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

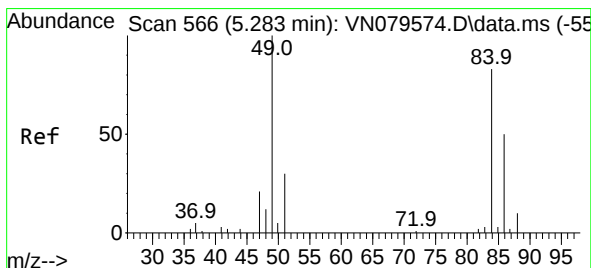
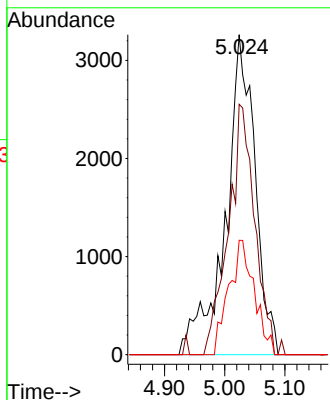
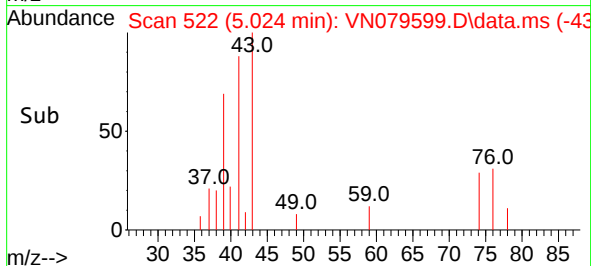
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion: 41 Resp: 1102
 Ion Ratio Lower Upper
 41 100
 39 78.2 38.4 115.2
 76 35.7 19.5 58.5

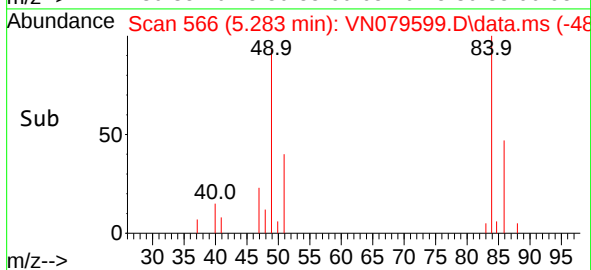
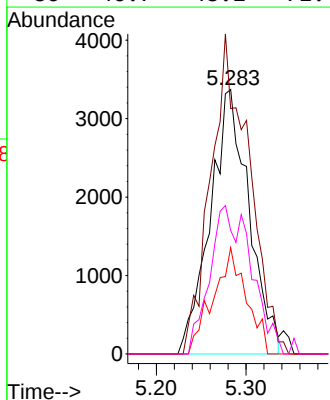
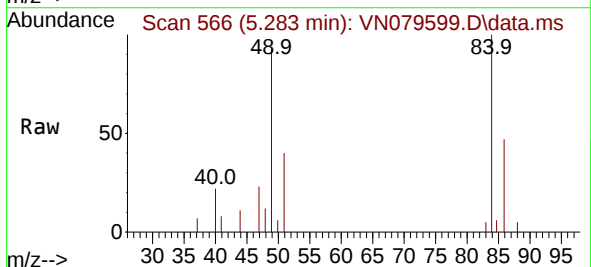
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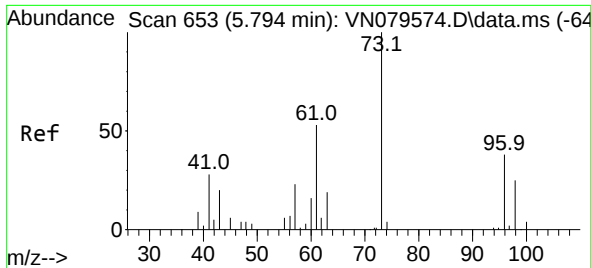
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#18
 Methylene Chloride
 Concen: 3.152 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

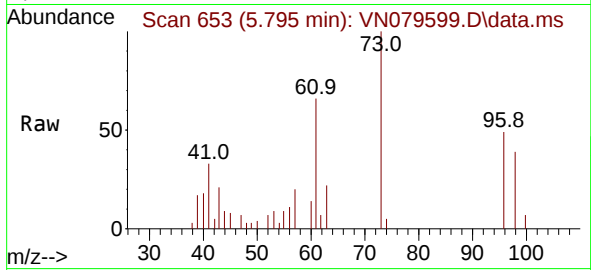
Tgt Ion: 84 Resp: 10110
 Ion Ratio Lower Upper
 84 100
 49 92.8 100.9 151.3#
 51 40.1 29.4 44.2
 86 46.7 48.2 72.4#





#19
trans-1,2-Dichloroethene
Concen: 2.547 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

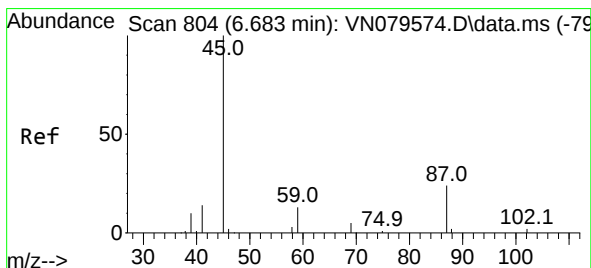
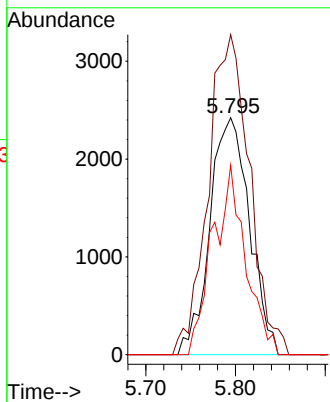
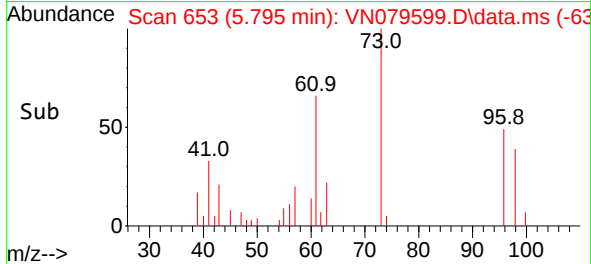
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 96 Resp: 7420
Ion Ratio Lower Upper
96 100
61 128.4 113.4 170.0
98 79.9 50.4 75.6

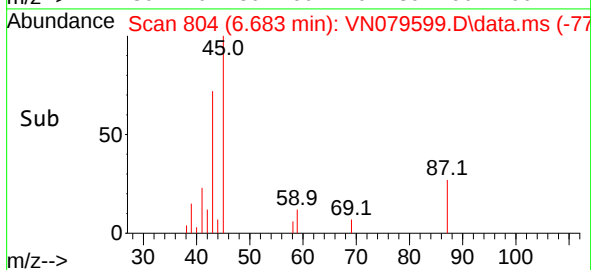
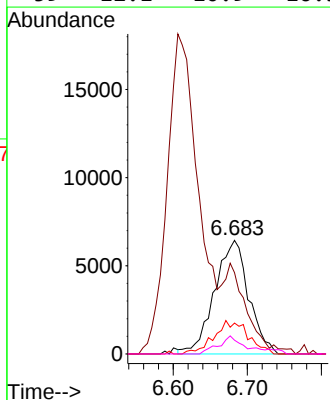
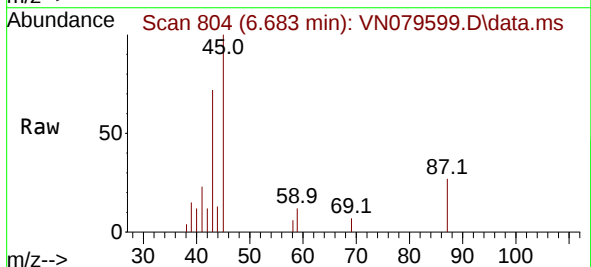
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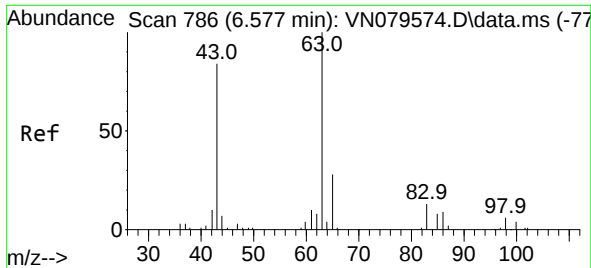
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#20
Diisopropyl ether
Concen: 2.158 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

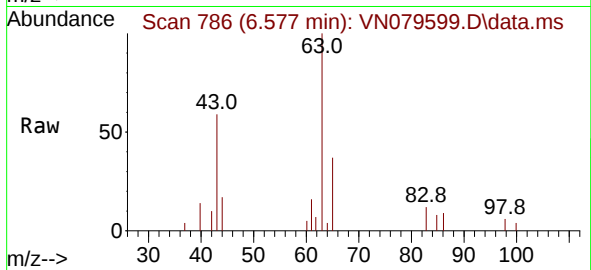
Tgt Ion: 45 Resp: 20559
Ion Ratio Lower Upper
45 100
43 67.0 42.1 63.1#
87 27.1 20.5 30.7
59 12.1 10.9 16.3





#21
1,1-Dichloroethane
Concen: 2.557 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

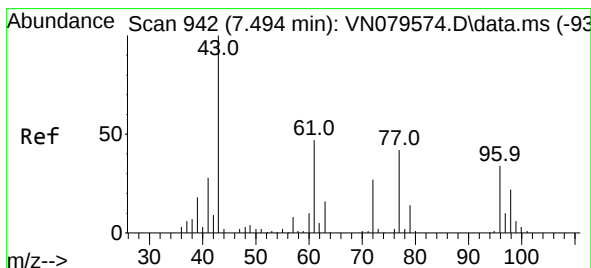
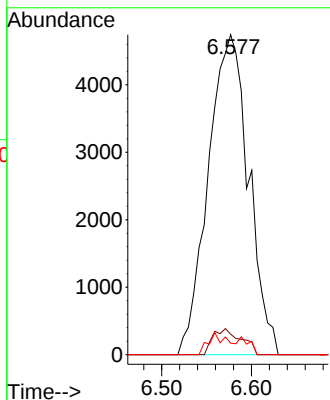
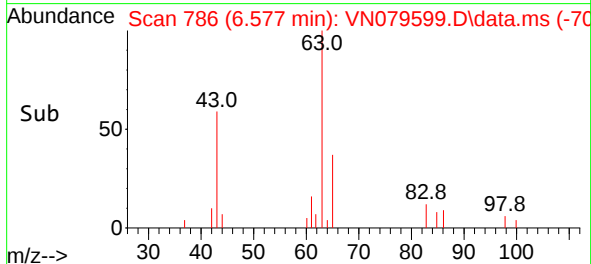
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 63 Resp: 14804
Ion Ratio Lower Upper
63 100
98 6.4 2.8 8.4
100 3.6 1.9 5.7

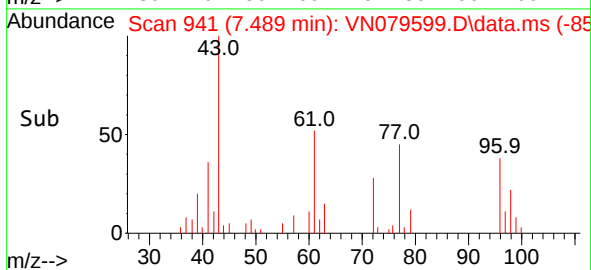
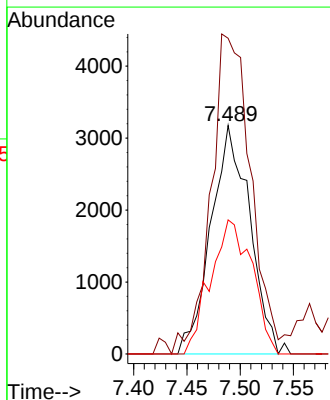
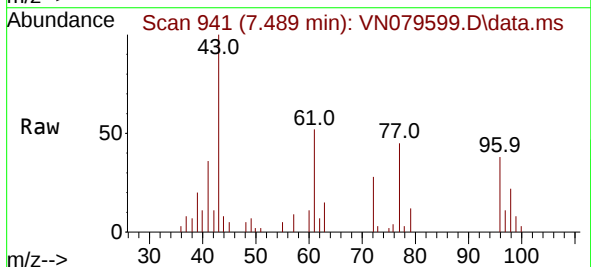
Manual Integrations
APPROVED

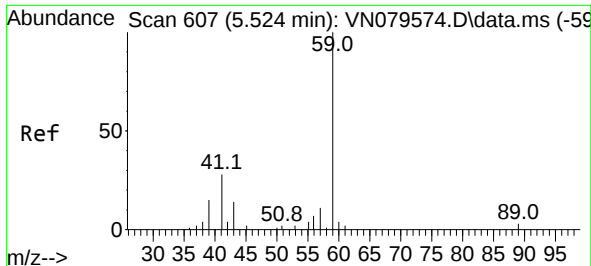
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#22
cis-1,2-Dichloroethene
Concen: 2.383 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 96 Resp: 8002
Ion Ratio Lower Upper
96 100
61 140.9 124.6 186.8
98 63.0 54.2 81.4





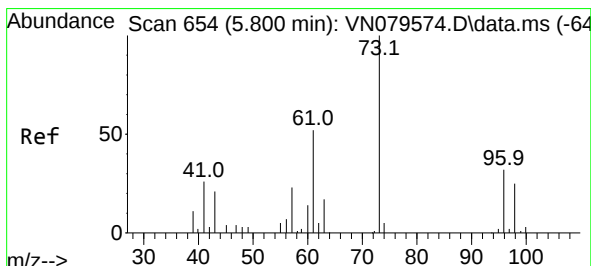
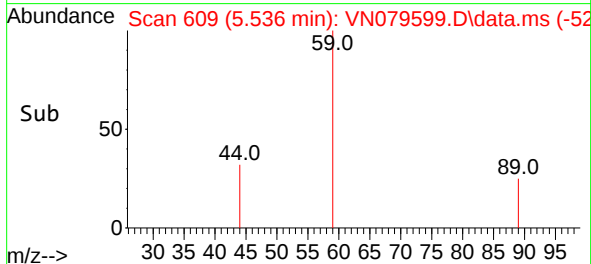
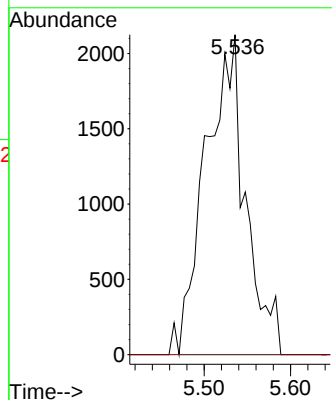
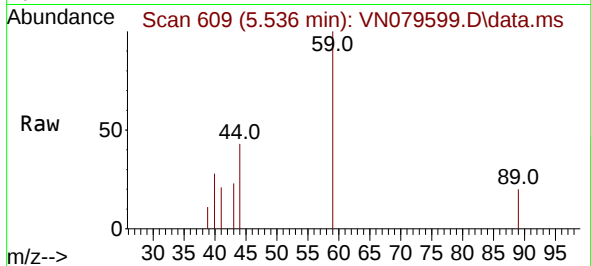
#23
tert-Butyl Alcohol
Concen: 13.352 ug/l m
RT: 5.536 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion: 59 Resp: 671
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

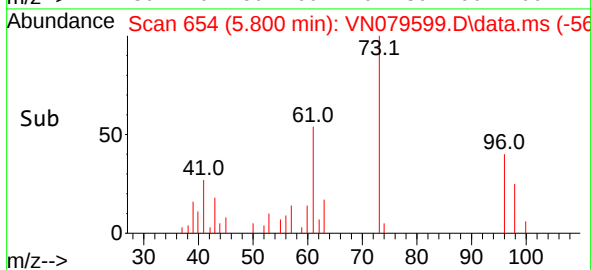
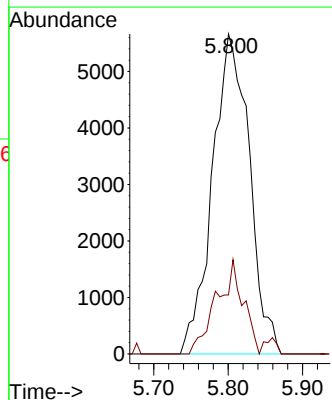
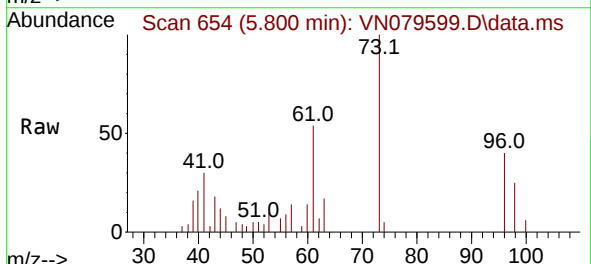
Manual Integrations
APPROVED

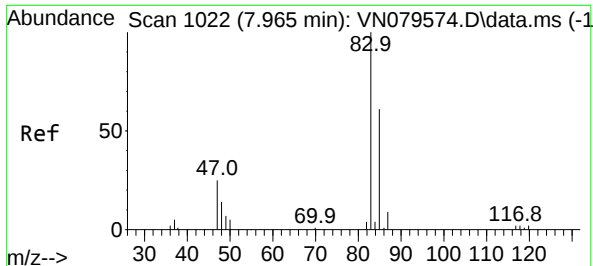
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#24
Methyl tert-Butyl Ether
Concen: 2.233 ug/l m
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 73 Resp: 19528
Ion Ratio Lower Upper
73 100
43 11.9 16.6 24.8#





#25

Chloroform

Concen: 2.577 ug/l m

RT: 7.977 min Scan# 1024

Delta R.T. 0.012 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

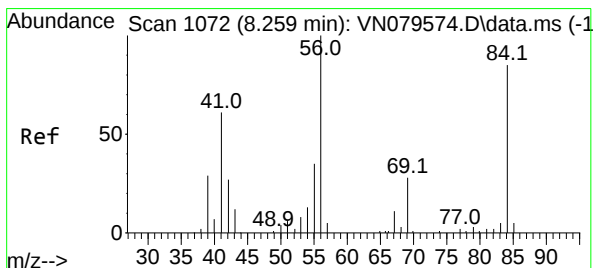
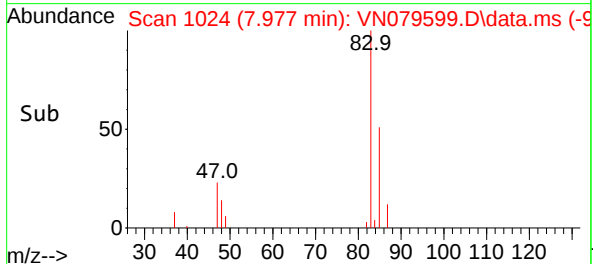
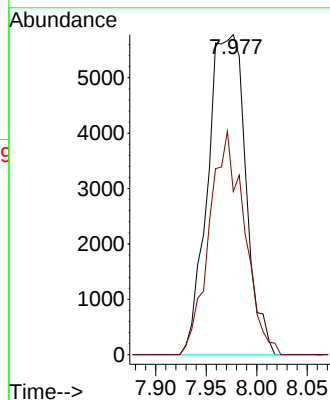
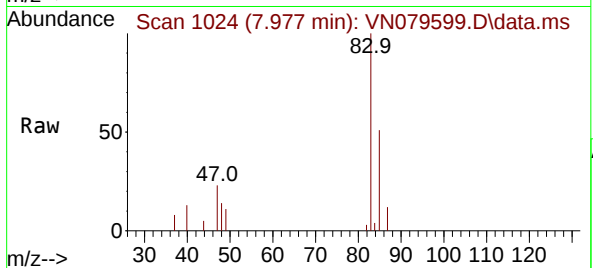
Tgt Ion: 83 Resp: 1507
 Ion Ratio Lower Upper
 83 100
 85 51.0 47.4 71.2

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#26

Cyclohexane

Concen: 2.178 ug/l m

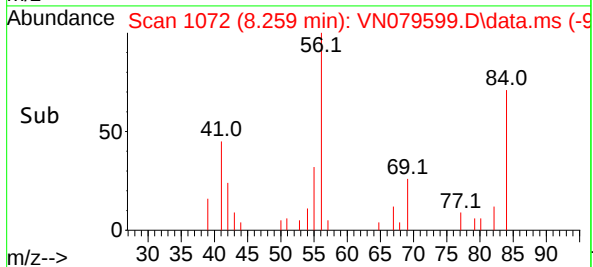
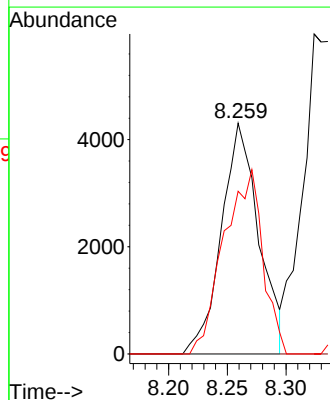
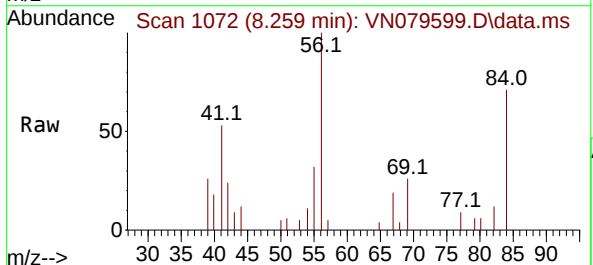
RT: 8.259 min Scan# 1072

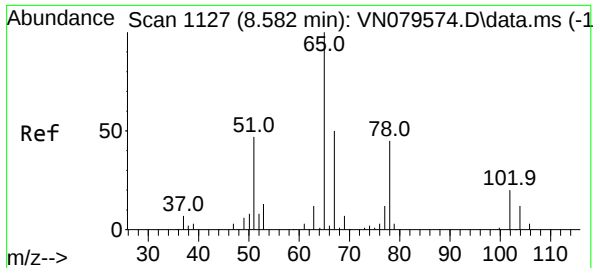
Delta R.T. 0.000 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Tgt Ion: 56 Resp: 9530
 Ion Ratio Lower Upper
 56 100
 89 0.0 0.0 0.0
 84 83.1 69.0 103.4





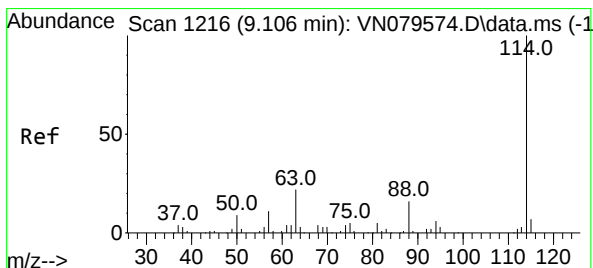
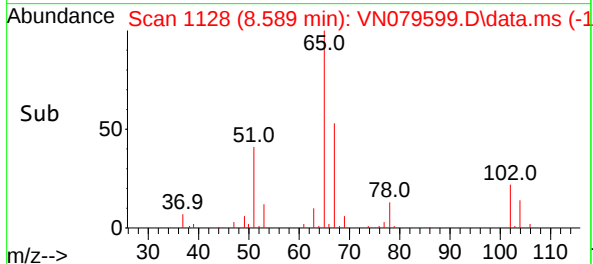
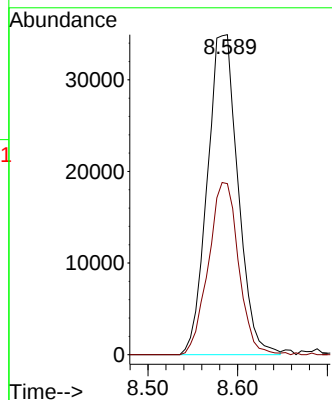
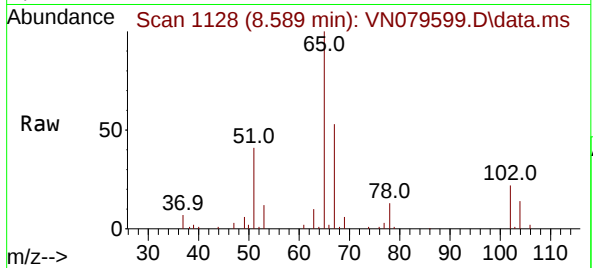
#27
1,2-Dichloroethane-d4
Concen: 30.175 ug/l
RT: 8.589 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion: 65 Resp: 82978
Ion Ratio Lower Upper
65 100
67 52.7 42.1 63.1

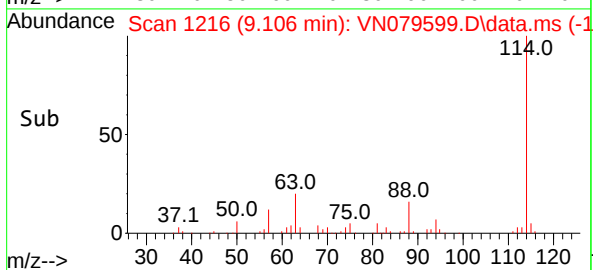
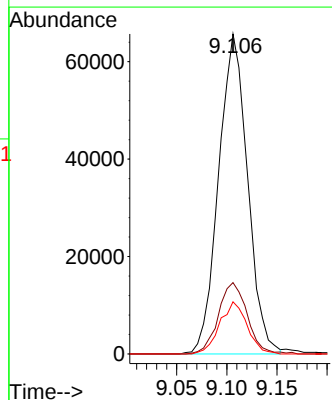
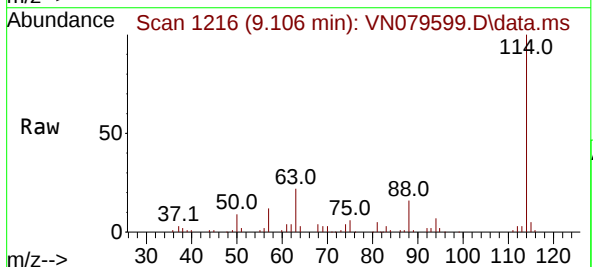
Manual Integrations
APPROVED

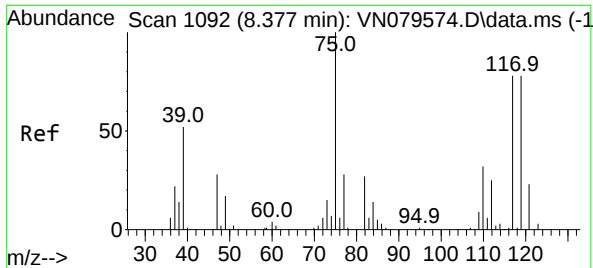
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion:114 Resp: 132058
Ion Ratio Lower Upper
114 100
63 22.3 18.1 27.1
88 15.4 12.2 18.2





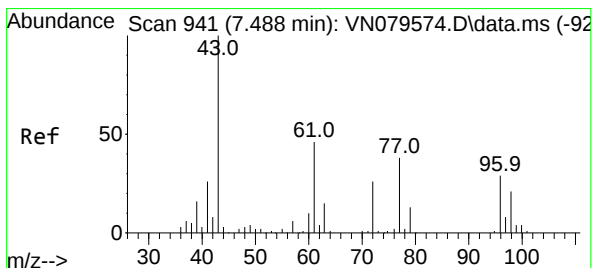
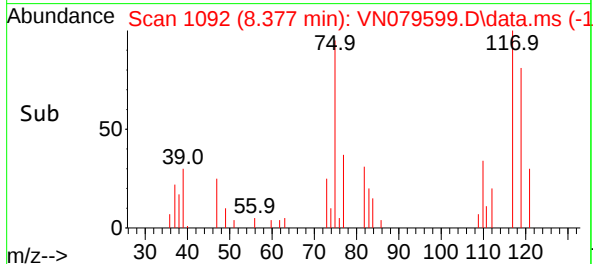
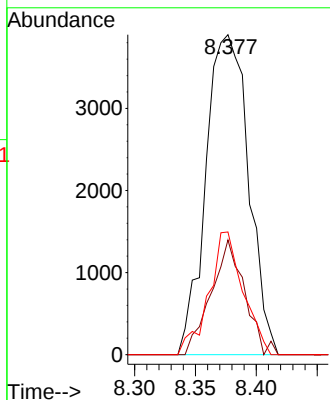
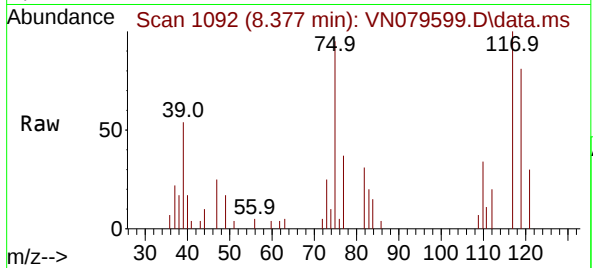
#29
1,1-Dichloropropene
Concen: 2.468 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion: 75 Resp: 9524
Ion Ratio Lower Upper
75 100
110 27.4 0.0 66.8
77 28.0 0.0 61.2

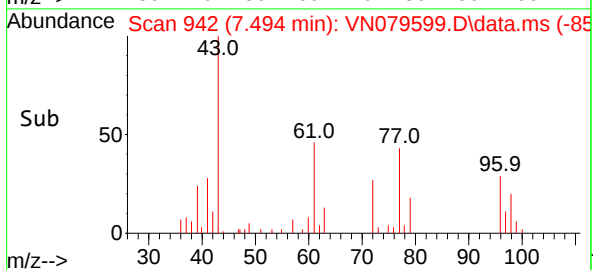
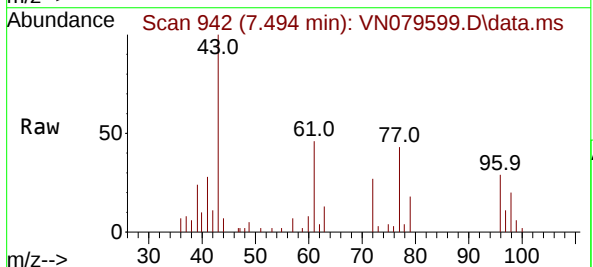
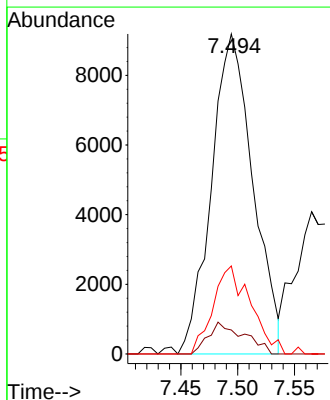
Manual Integrations
APPROVED

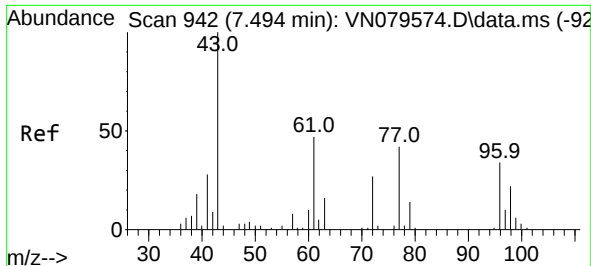
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#30
2-Butanone
Concen: 12.109 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

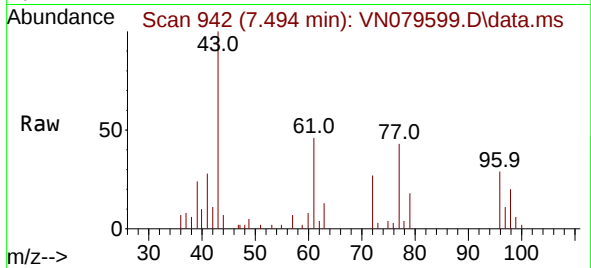
Tgt Ion: 43 Resp: 23424
Ion Ratio Lower Upper
43 100
57 6.0 6.4 9.6#
72 24.9 20.7 31.1





#31
2,2-Dichloropropane
Concen: 2.619 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

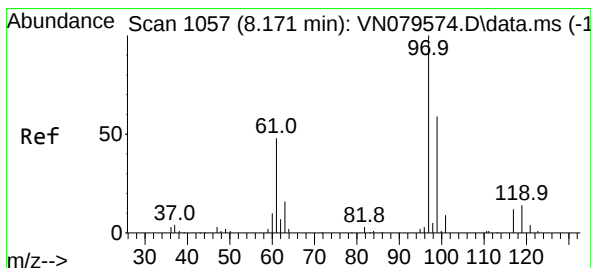
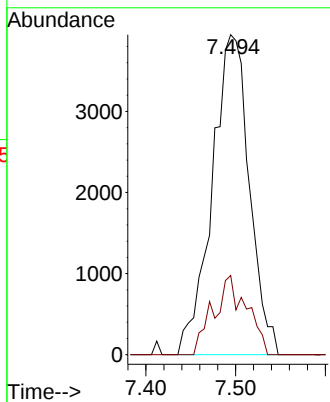
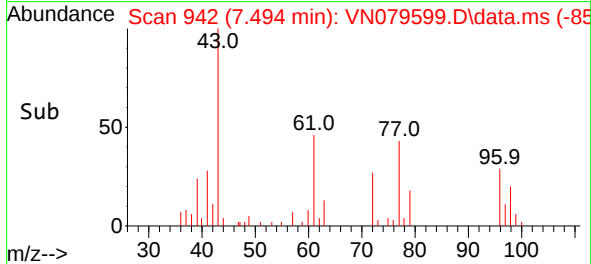
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



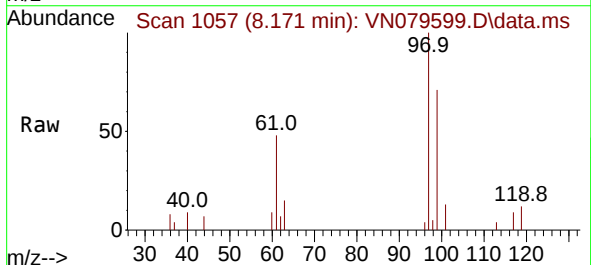
Tgt Ion: 77 Resp: 11390
Ion Ratio Lower Upper
77 100
97 4.7 17.9 26.9

Manual Integrations
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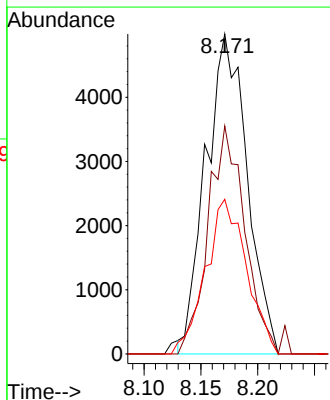
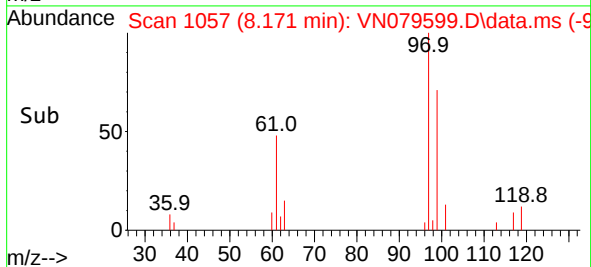
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

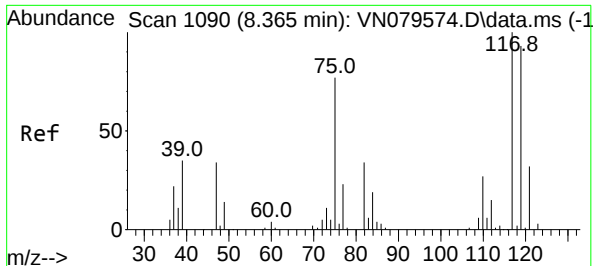


#32
1,1,1-Trichloroethane
Concen: 2.750 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



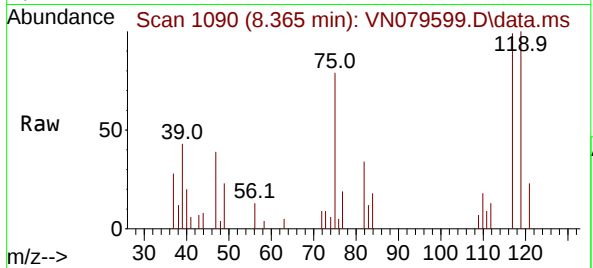
Tgt Ion: 97 Resp: 12615
Ion Ratio Lower Upper
97 100
99 63.2 51.9 77.9
61 47.8 37.6 56.4





#33
Carbon Tetrachloride
Concen: 2.842 ug/l m
RT: 8.365 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

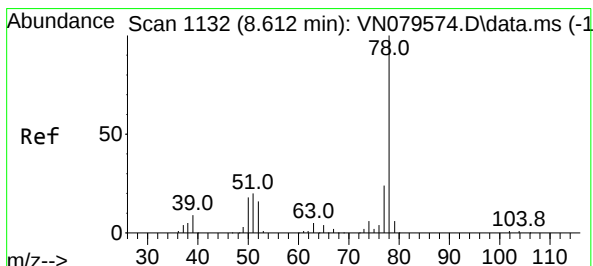
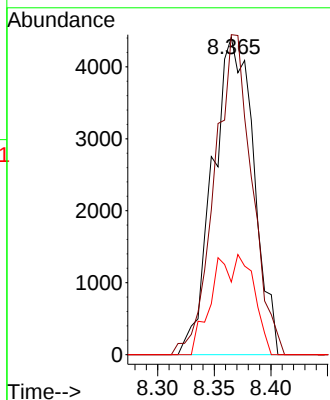
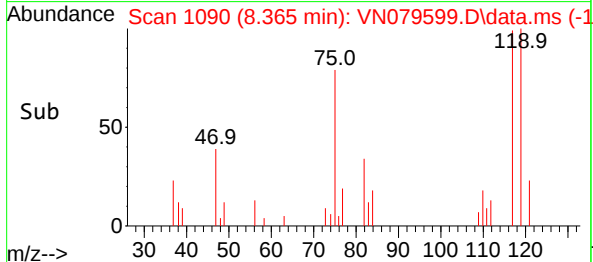
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



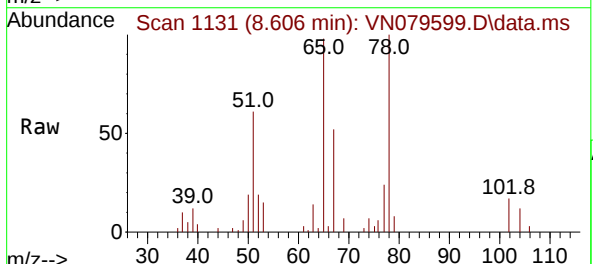
Tgt Ion:117 Resp: 1108
Ion Ratio Lower Upper
117 100
119 100.8 75.0 112.6
121 22.9 24.3 36.5

Manual Integrations
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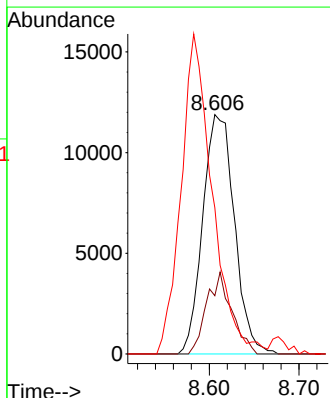
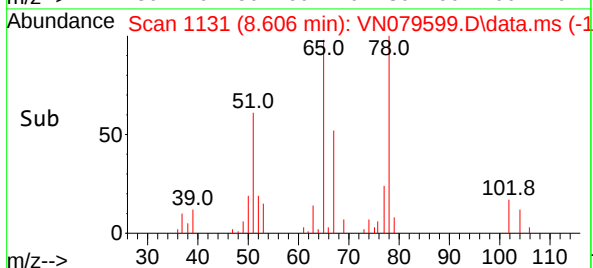
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

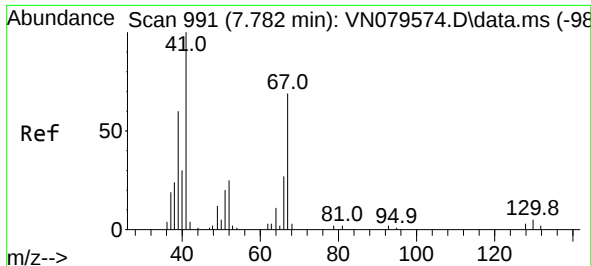


#34
Benzene
Concen: 2.485 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



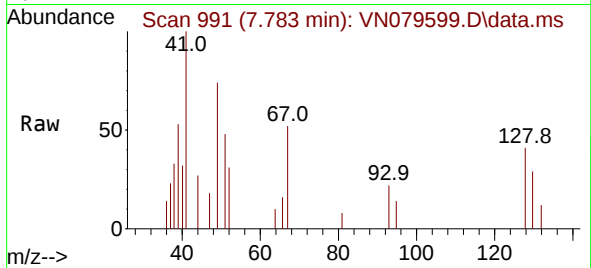
Tgt Ion: 78 Resp: 29134
Ion Ratio Lower Upper
78 100
77 24.3 19.7 29.5
51 53.9 15.8 23.6





#35
Methacrylonitrile
Concen: 2.171 ug/l m
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

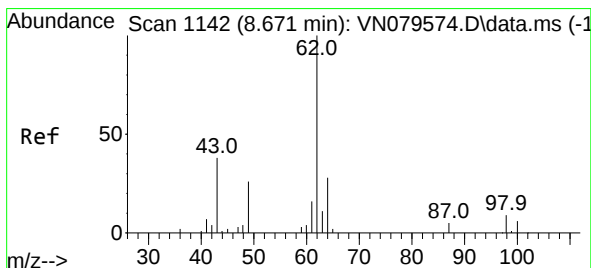
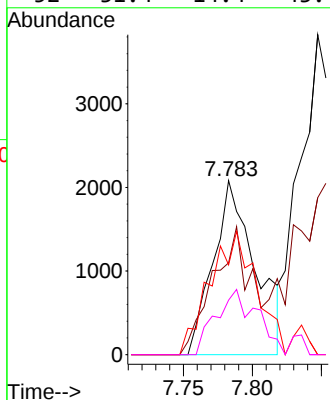
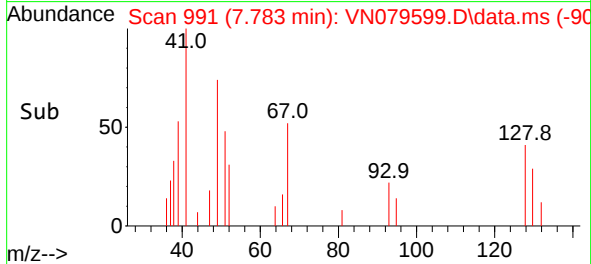
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



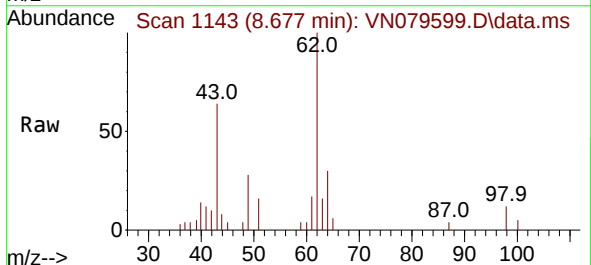
Tgt Ion: 41 Resp: 4418
Ion Ratio Lower Upper
41 100
39 52.8 26.3 78.8
67 51.6 37.5 112.3
52 31.4 14.4 43.4

Manual Integrations
APPROVED

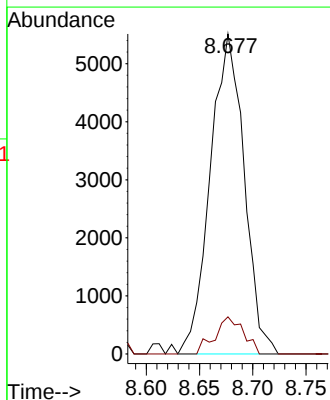
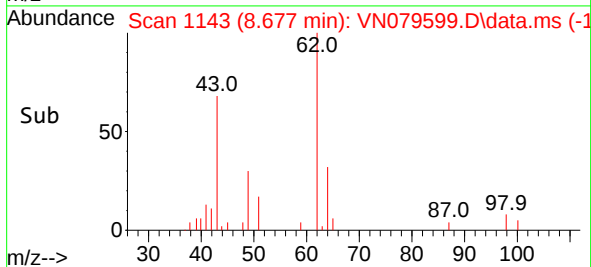
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

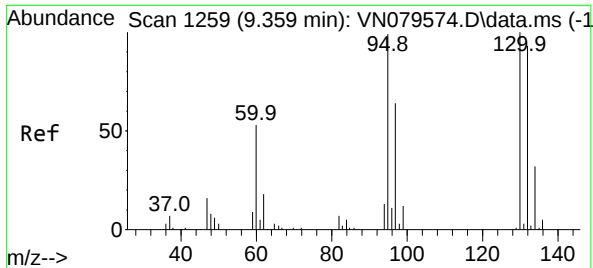


#36
1,2-Dichloroethane
Concen: 2.912 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



Tgt Ion: 62 Resp: 12192
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#37

Trichloroethene

Concen: 2.762 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion:130 Resp: 757

Ion Ratio Lower Upper

130 100

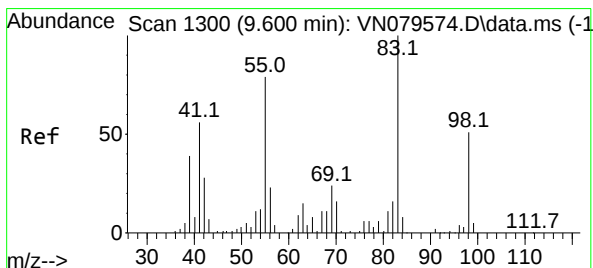
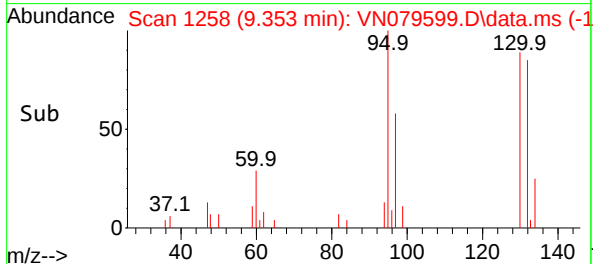
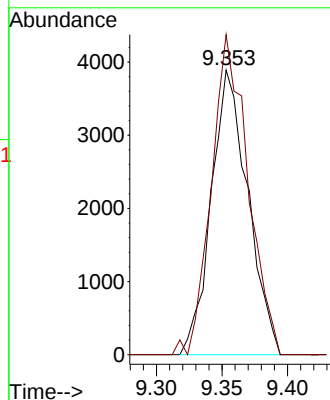
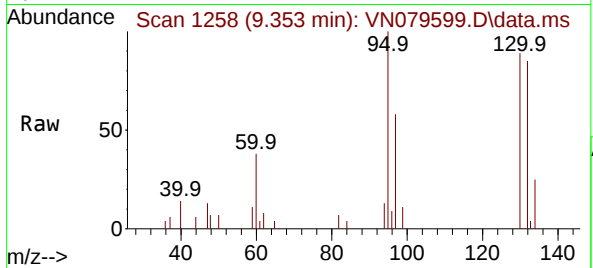
95 112.4 81.2 121.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#38

Methylcyclohexane

Concen: 2.329 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

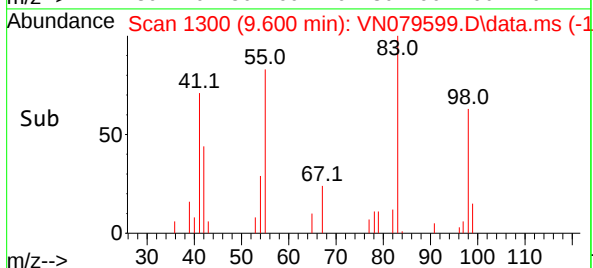
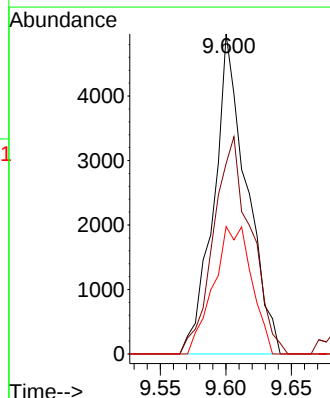
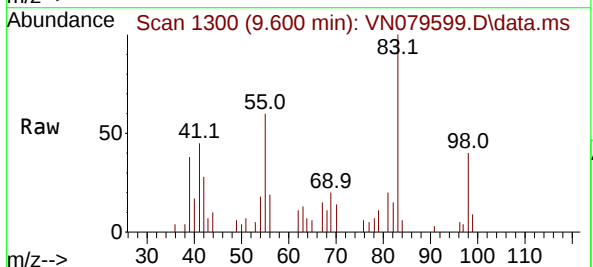
Tgt Ion: 83 Resp: 8652

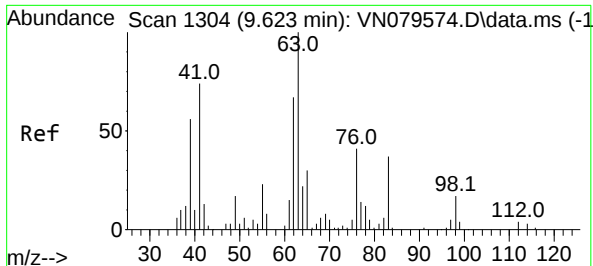
Ion Ratio Lower Upper

83 100

55 77.2 39.7 119.1

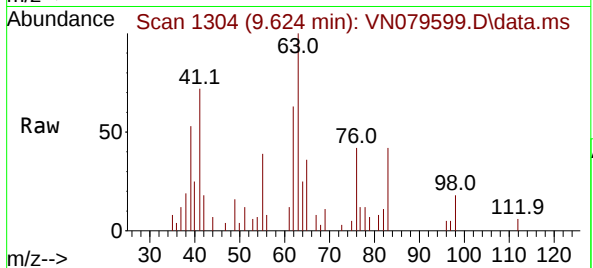
98 46.3 24.4 73.2





#39
1,2-Dichloropropane
Concen: 2.760 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

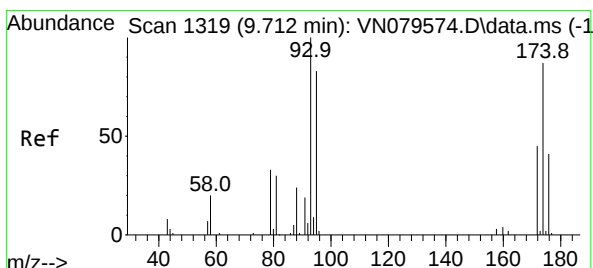
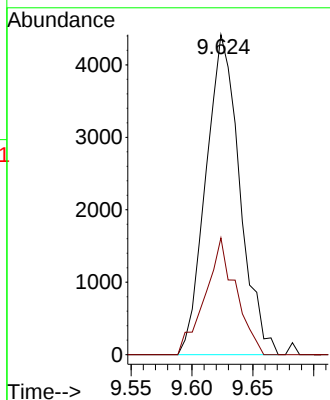
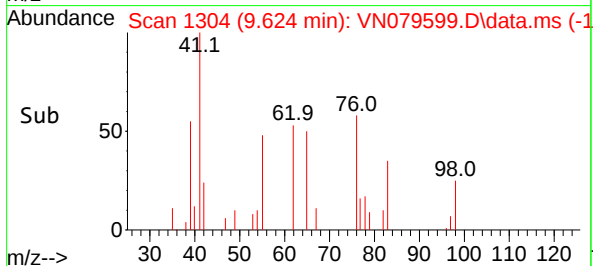
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 63 Resp: 8539
Ion Ratio Lower Upper
63 100
65 36.5 25.3 37.9

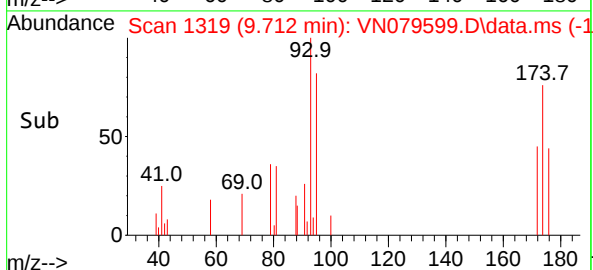
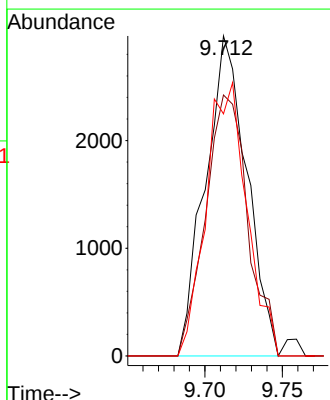
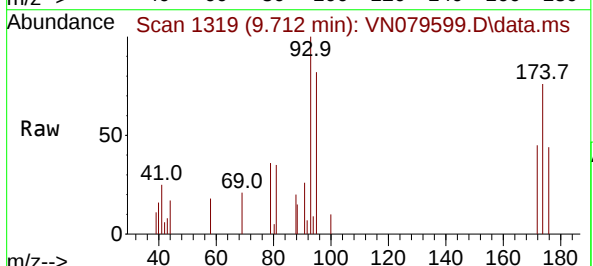
Manual Integrations
APPROVED

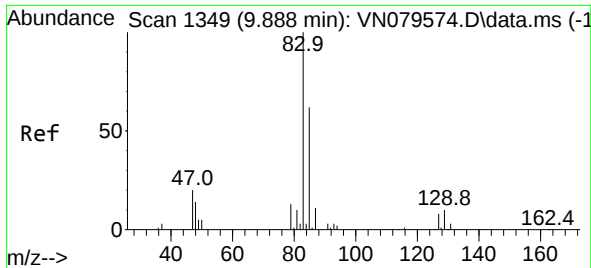
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#40
Dibromomethane
Concen: 2.714 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 93 Resp: 5511
Ion Ratio Lower Upper
93 100
95 83.4 0.0 166.6
174 84.0 0.0 171.0





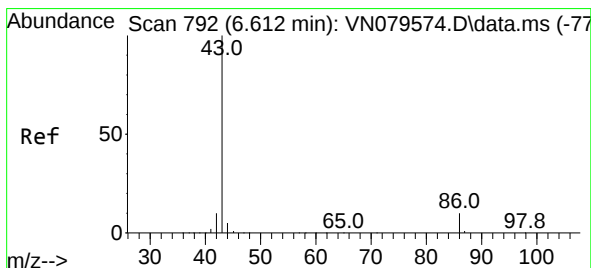
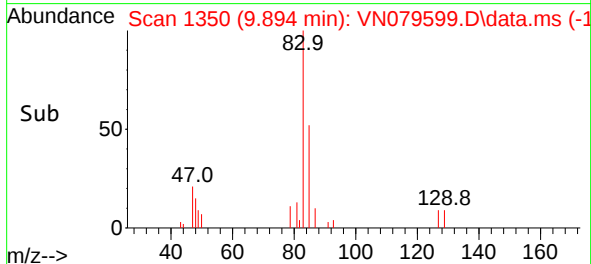
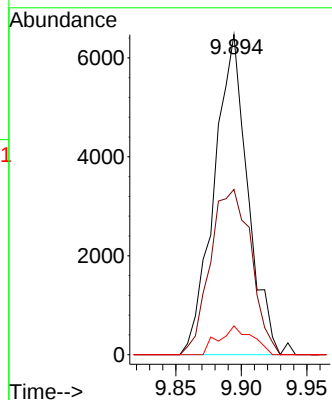
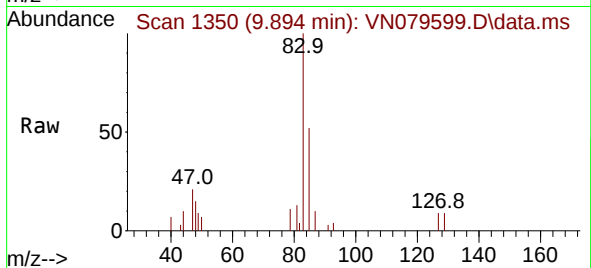
#41
Bromodichloromethane
Concen: 2.734 ug/l
RT: 9.894 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion: 83 Resp: 11500
Ion Ratio Lower Upper
83 100
85 51.6 50.3 75.5
127 9.0 6.8 10.2

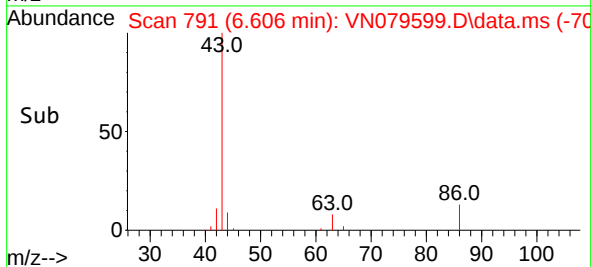
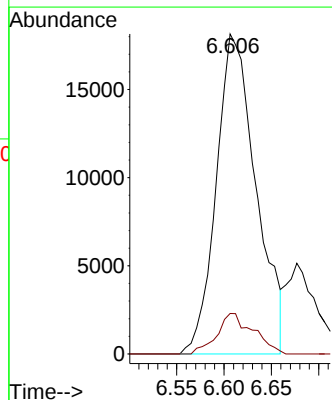
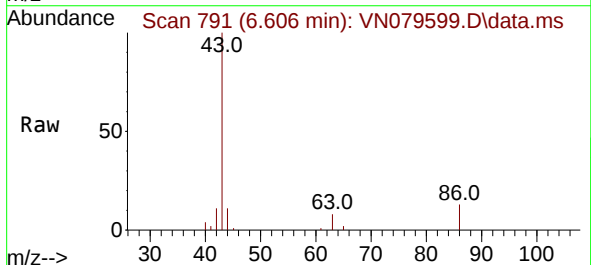
Manual Integrations
APPROVED

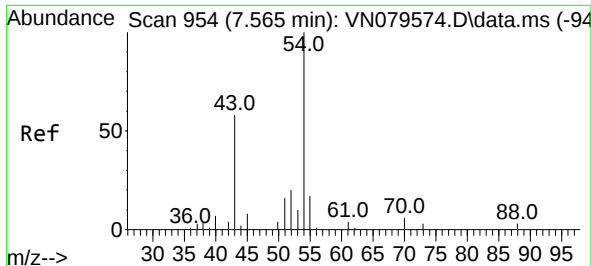
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#42
Vinyl Acetate
Concen: 10.807 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

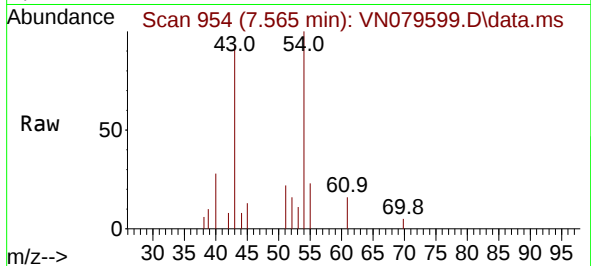
Tgt Ion: 43 Resp: 53034
Ion Ratio Lower Upper
43 100
86 7.5 8.2 12.2#





#43
Ethyl Acetate
Concen: 2.917 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

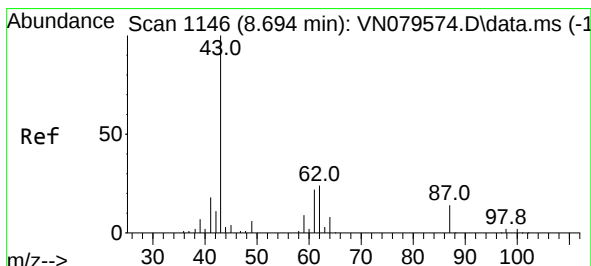
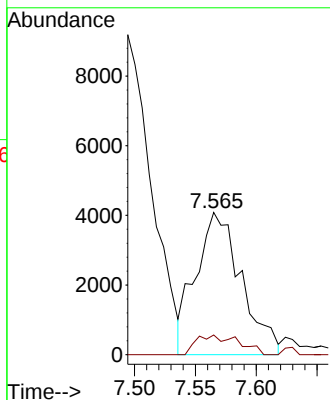
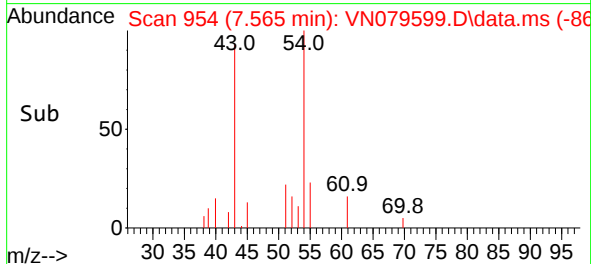
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



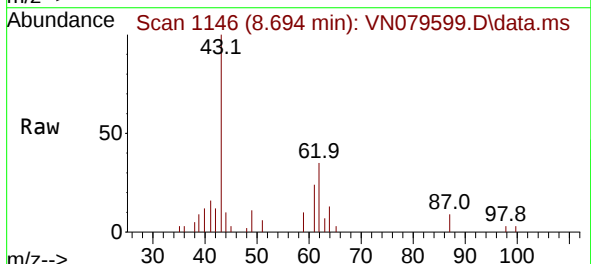
Tgt Ion: 43 Resp: 10609
Ion Ratio Lower Upper
43 100
45 7.4 11.8 17.8

Manual Integrations
APPROVED

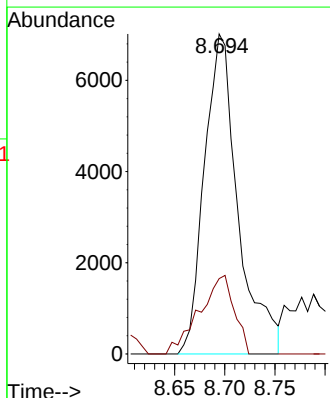
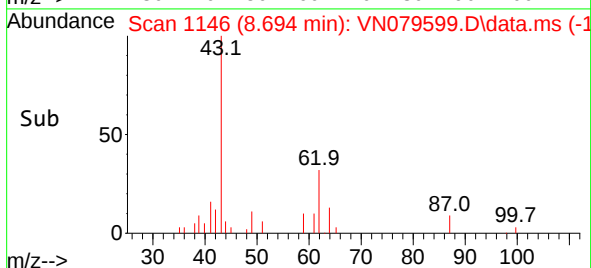
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

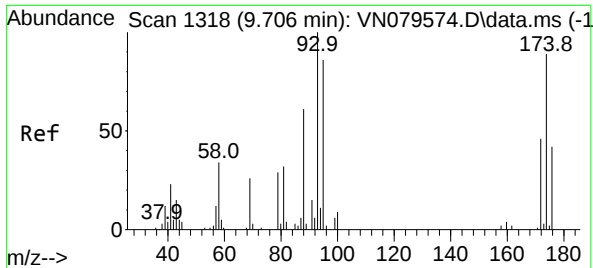


#44
Isopropyl Acetate
Concen: 2.534 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



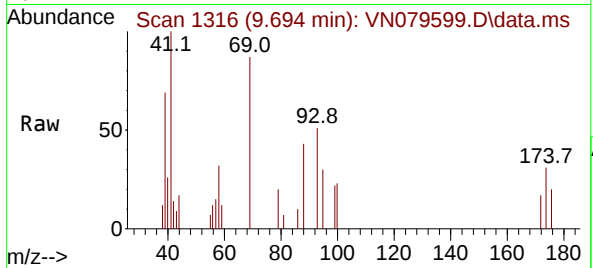
Tgt Ion: 43 Resp: 16383
Ion Ratio Lower Upper
43 100
61 25.3 20.3 30.5





#45
1,4-Dioxane
Concen: 45.736 ug/l m
RT: 9.694 min Scan# 1316
Delta R.T. -0.012 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

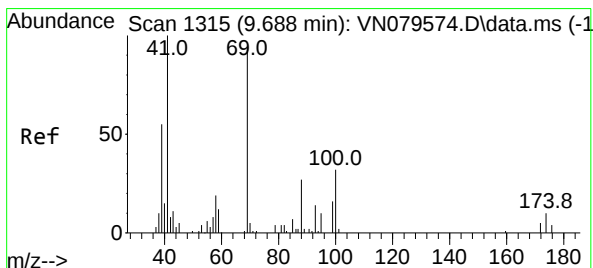
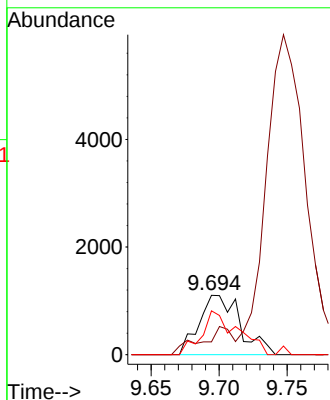
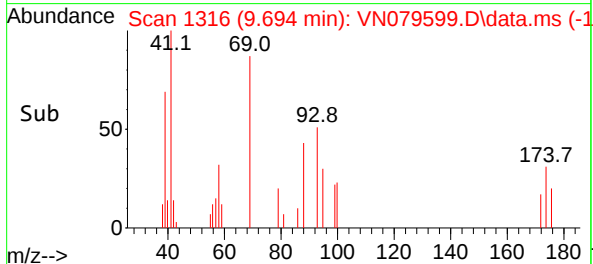
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



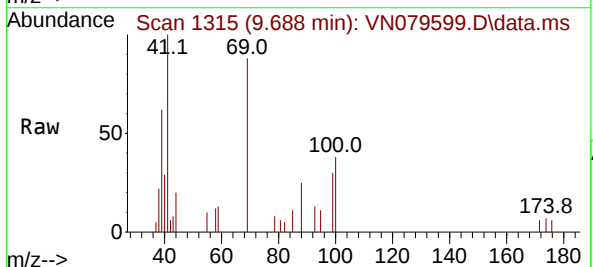
Tgt Ion: 88 Resp: 2315
Ion Ratio Lower Upper
88 100
43 18.9 28.7 43.1
58 42.2 56.9 85.3

Manual Integrations
APPROVED

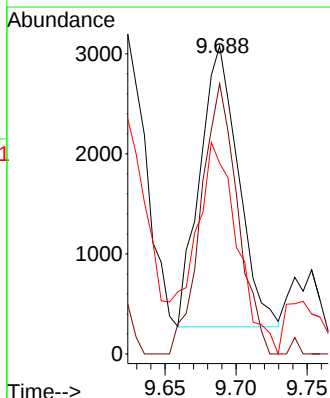
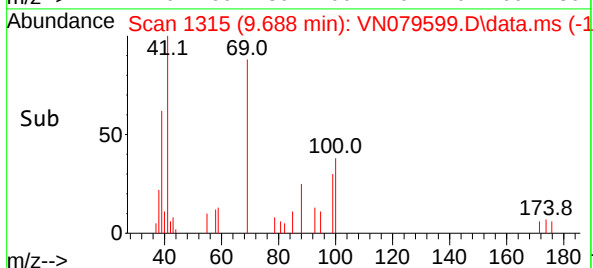
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

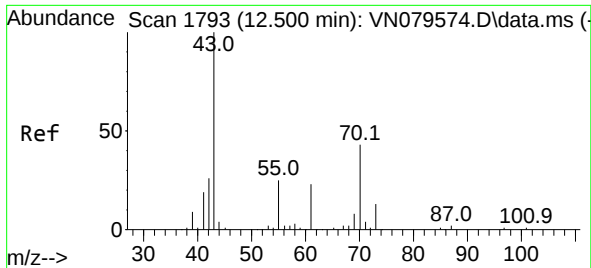


#46
Methyl methacrylate
Concen: 1.838 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



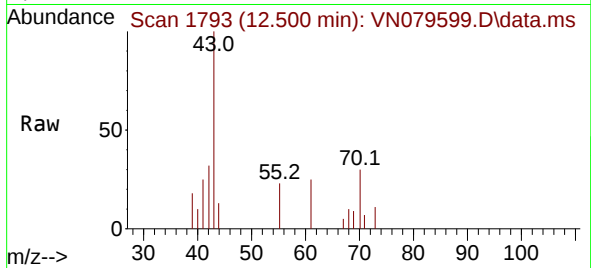
Tgt Ion: 41 Resp: 5274
Ion Ratio Lower Upper
41 100
69 96.3 40.0 119.9
39 68.0 31.1 93.3





#47
n-amyl acetate
Concen: 1.623 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

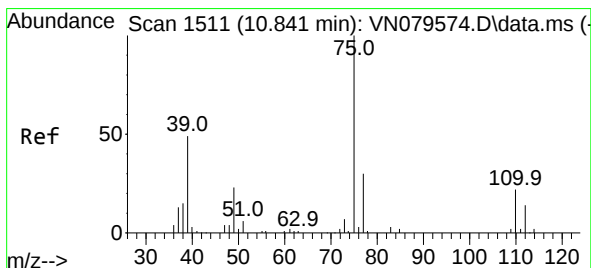
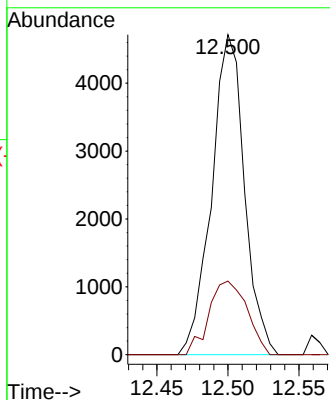
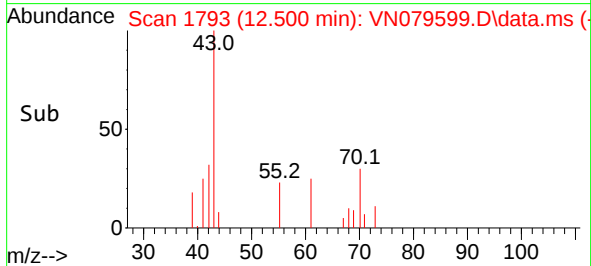
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 7570
Ion Ratio Lower Upper
43 100
55 26.7 20.7 31.1

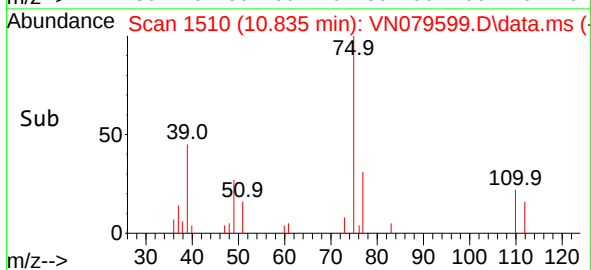
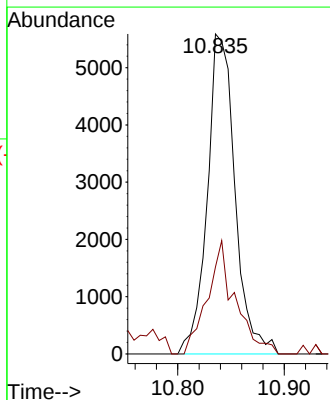
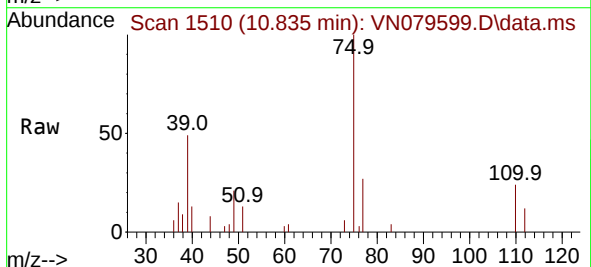
Manual Integrations
APPROVED

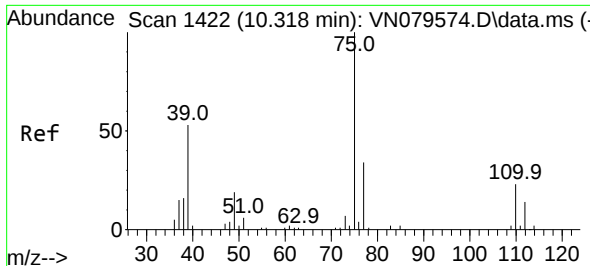
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#48
t-1,3-Dichloropropene
Concen: 2.375 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

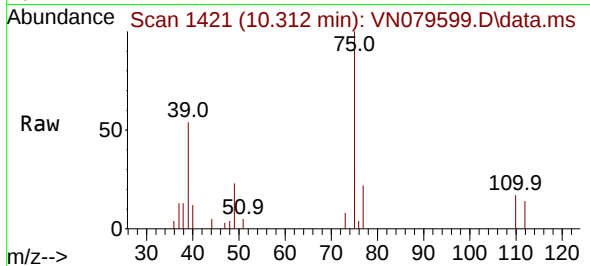
Tgt Ion: 75 Resp: 10102
Ion Ratio Lower Upper
75 100
77 27.2 25.6 38.4





#49
cis-1,3-Dichloropropene
Concen: 2.384 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

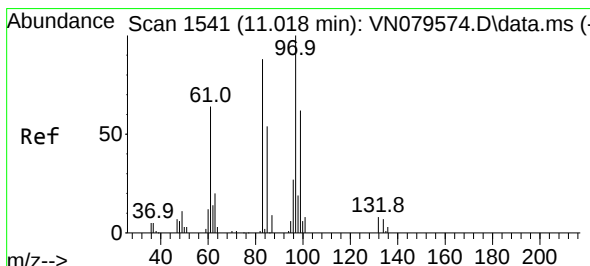
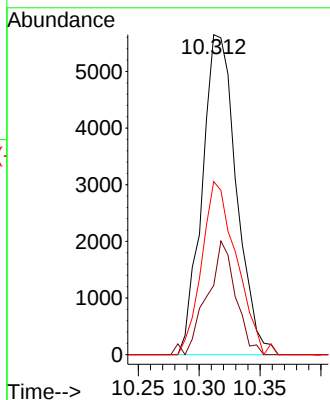
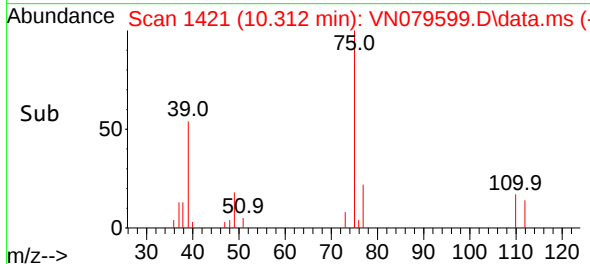
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 75 Resp: 1109
Ion Ratio Lower Upper
75 100
77 21.7 25.8 38.6
39 54.1 42.4 63.6

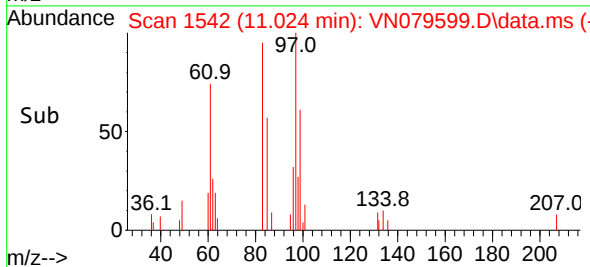
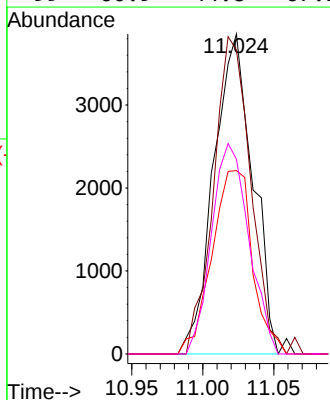
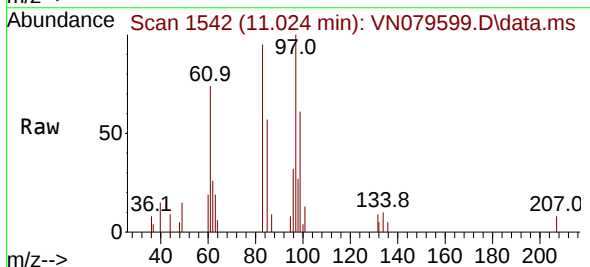
Manual Integrations
APPROVED

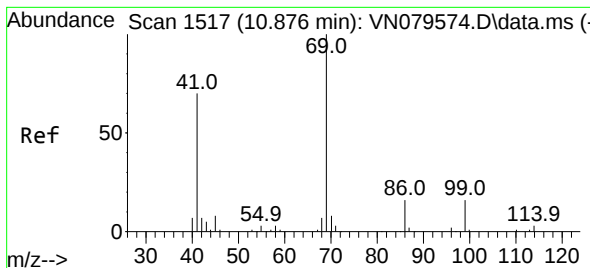
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#50
1,1,2-Trichloroethane
Concen: 2.613 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

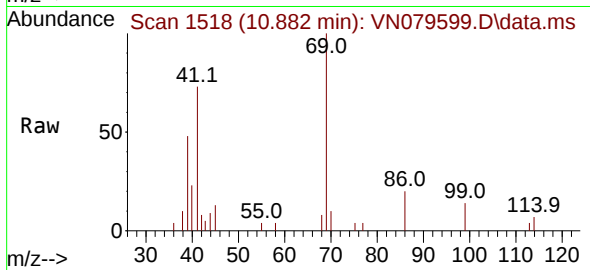
Tgt Ion: 97 Resp: 7362
Ion Ratio Lower Upper
97 100
83 95.0 68.2 102.4
85 57.3 42.9 64.3
99 60.9 44.8 67.2





#51
Ethyl methacrylate
Concen: 2.090 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

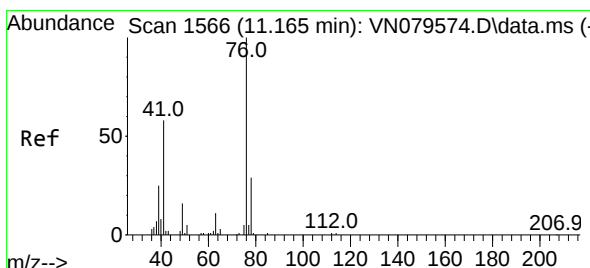
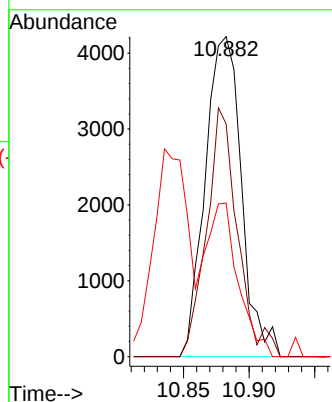
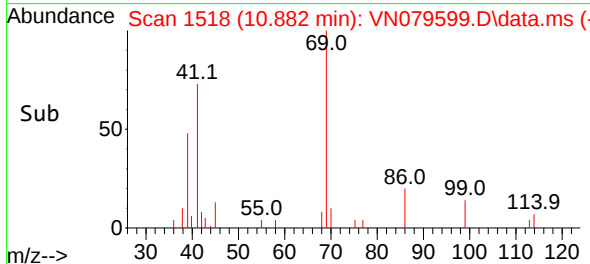
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



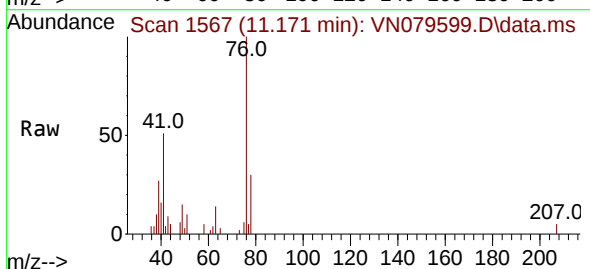
Tgt Ion: 69 Resp: 8125
Ion Ratio Lower Upper
69 100
41 72.8 33.8 101.3
39 48.0 21.3 63.9

Manual Integrations
APPROVED

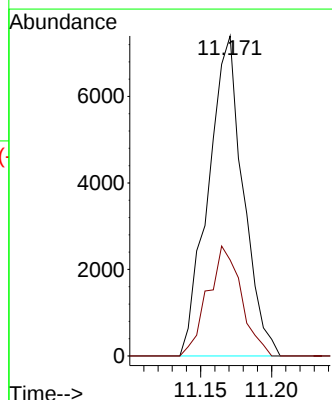
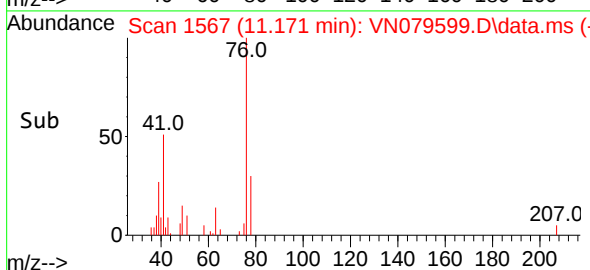
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

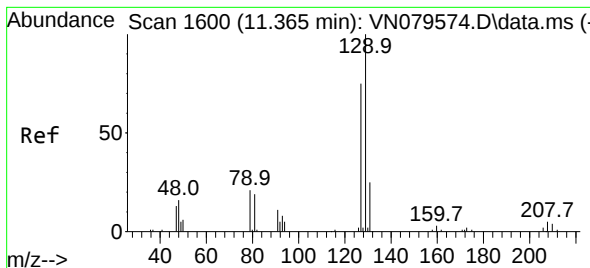


#52
1,3-Dichloropropane
Concen: 2.529 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



Tgt Ion: 76 Resp: 12623
Ion Ratio Lower Upper
76 100
78 33.0 0.0 64.0





#53

Dibromochloromethane

Concen: 2.489 ug/l

RT: 11.365 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion:129 Resp: 716

Ion Ratio Lower Upper

129 100

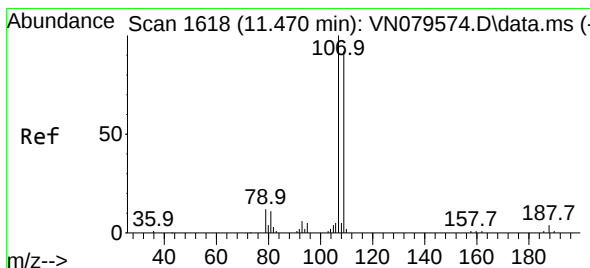
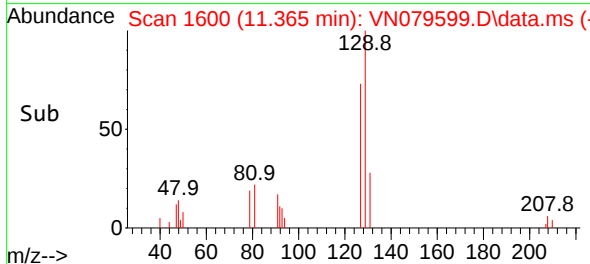
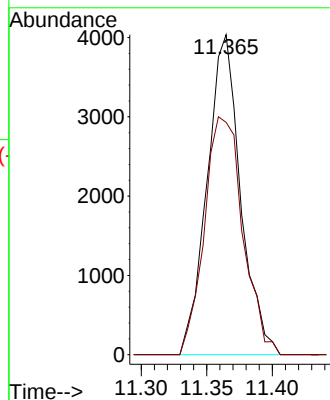
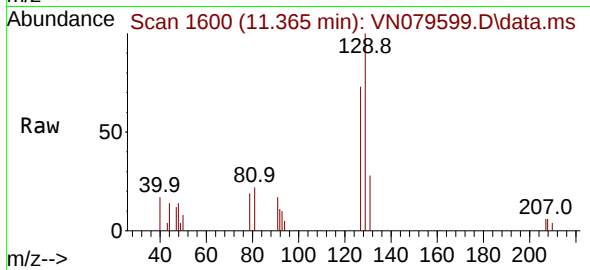
127 85.2 38.8 116.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#54

1,2-Dibromoethane

Concen: 2.447 ug/l

RT: 11.471 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VN079599.D

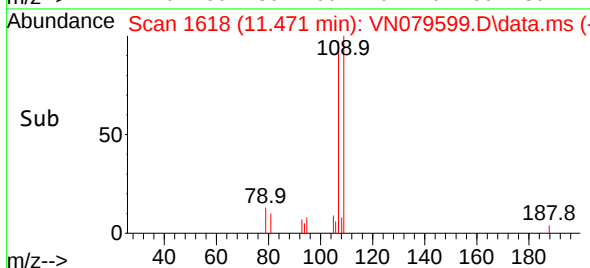
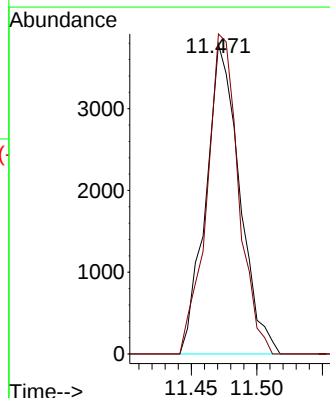
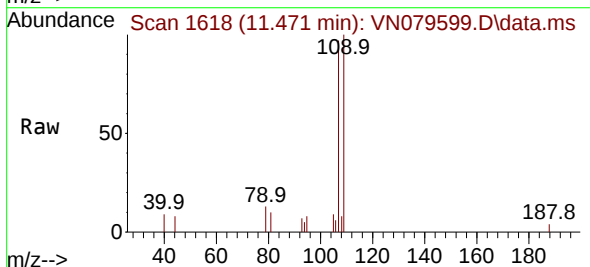
Acq: 18 Oct 2023 14:08

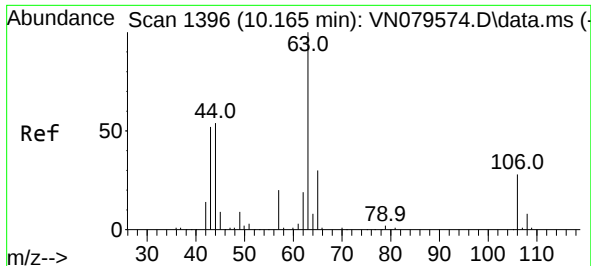
Tgt Ion:107 Resp: 6800

Ion Ratio Lower Upper

107 100

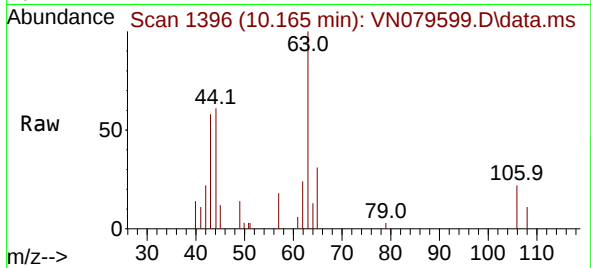
109 96.8 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 7.787 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

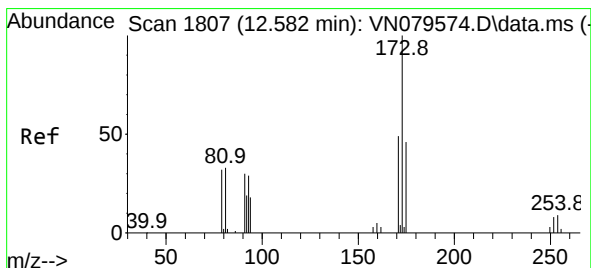
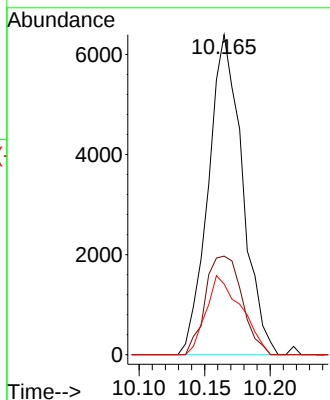
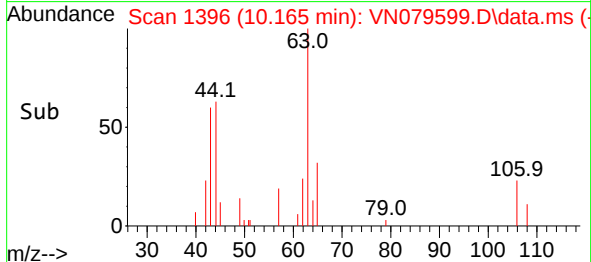
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 63 Resp: 11548
Ion Ratio Lower Upper
63 100
65 33.2 25.9 38.9
106 25.5 20.6 30.8

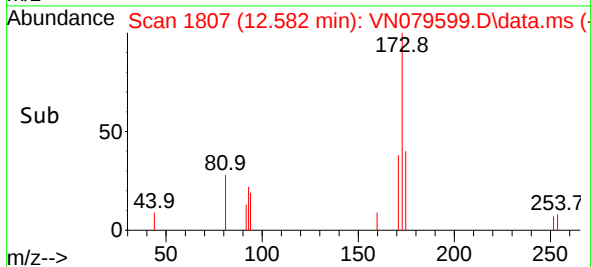
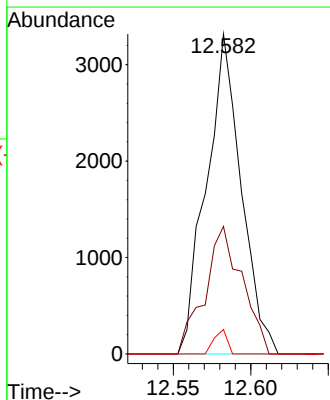
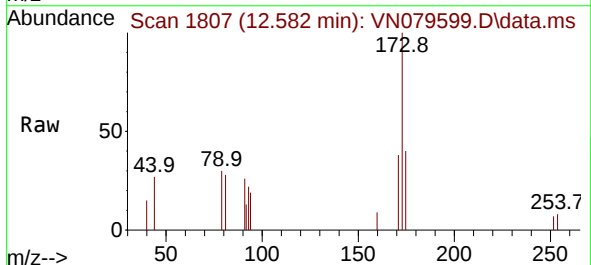
Manual Integrations
APPROVED

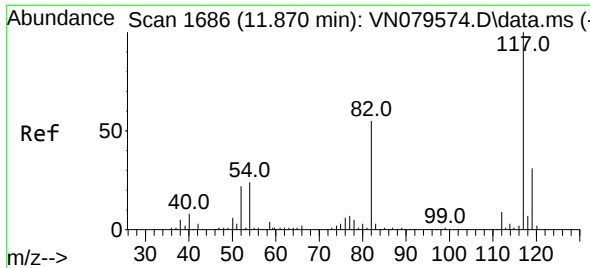
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#56
Bromoform
Concen: 2.719 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

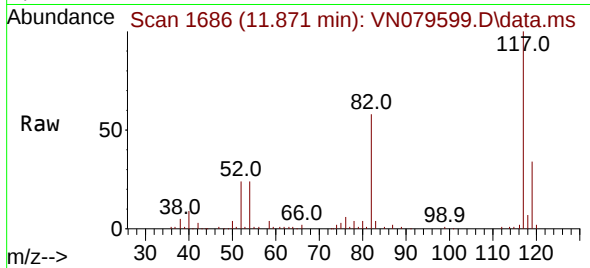
Tgt Ion:173 Resp: 5179
Ion Ratio Lower Upper
173 100
175 42.8 37.9 56.9
254 2.9 7.3 10.9#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

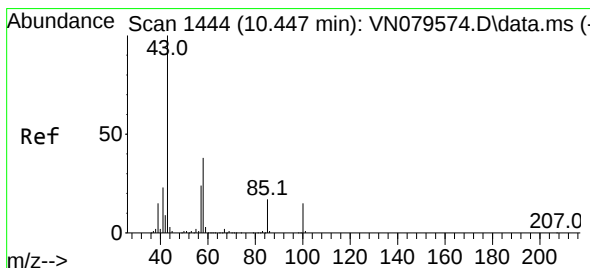
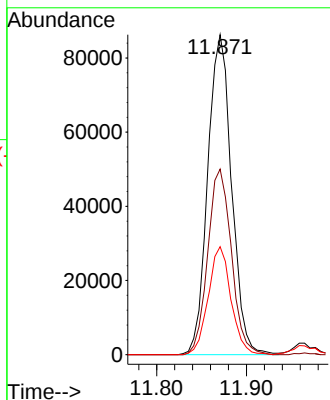
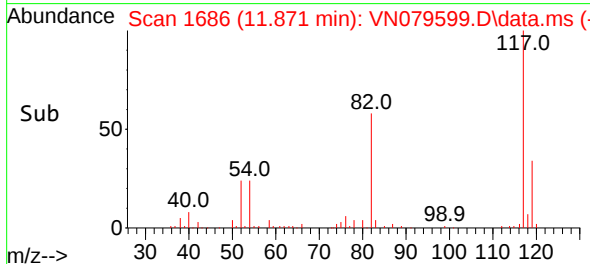
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



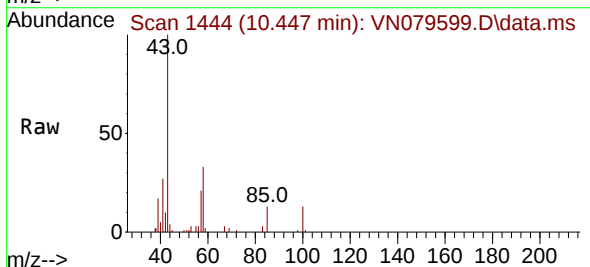
Tgt Ion: 117 Resp: 15968
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.2
119 32.2 25.2 37.8

Manual Integrations
APPROVED

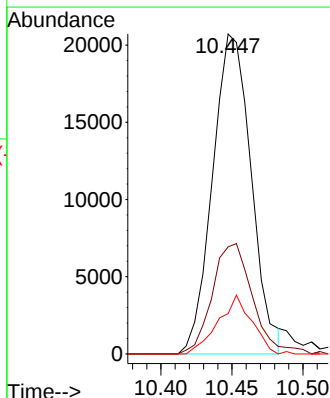
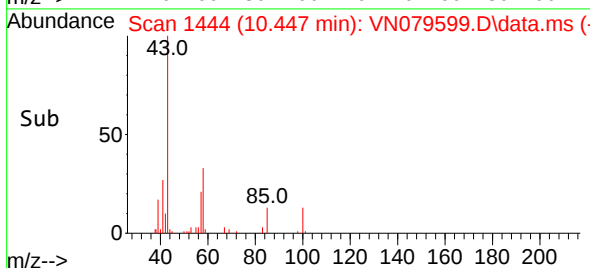
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

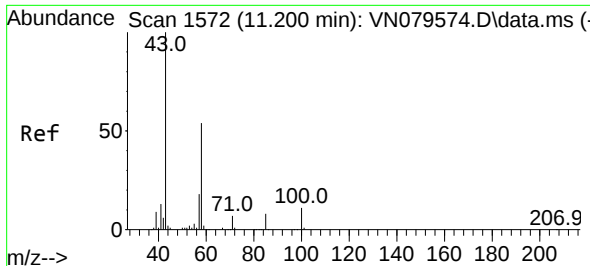


#58
4-Methyl-2-Pentanone
Concen: 10.526 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



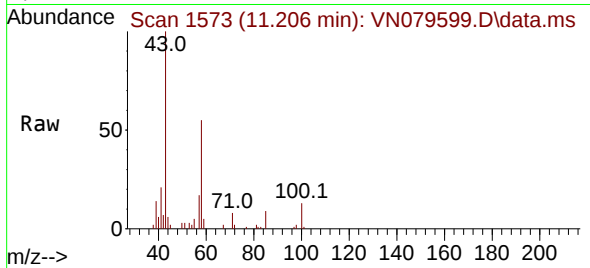
Tgt Ion: 43 Resp: 39205
Ion Ratio Lower Upper
43 100
58 36.0 30.4 45.6
85 15.9 13.2 19.8





#59
2-Hexanone
Concen: 10.064 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

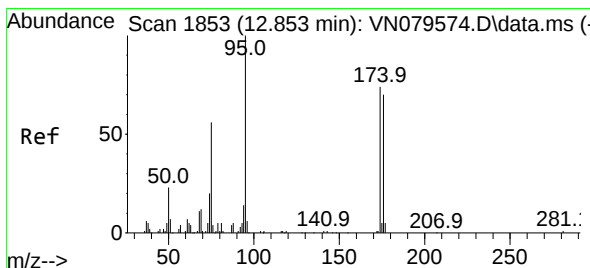
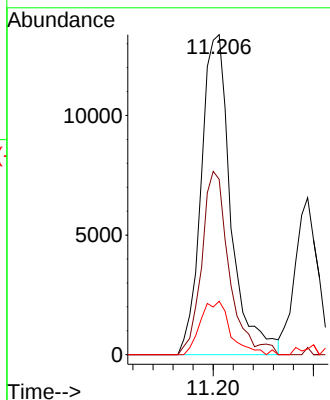
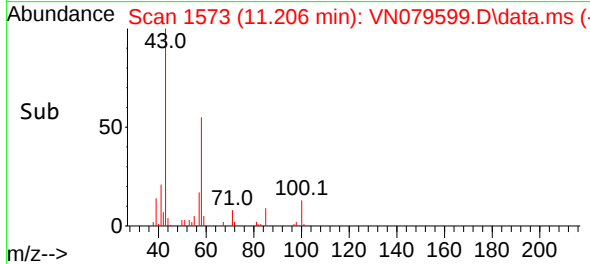
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 27498
Ion Ratio Lower Upper
43 100
58 51.5 42.3 63.5
57 16.8 13.9 20.9

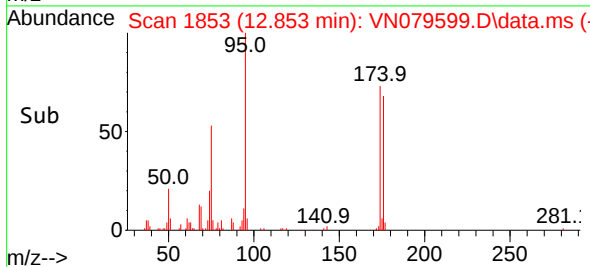
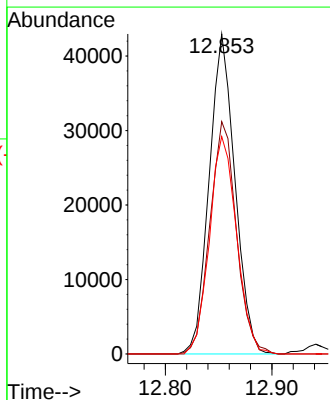
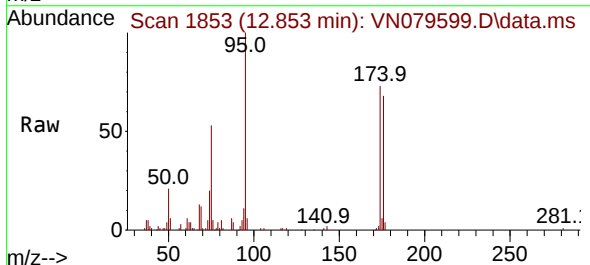
Manual Integrations
APPROVED

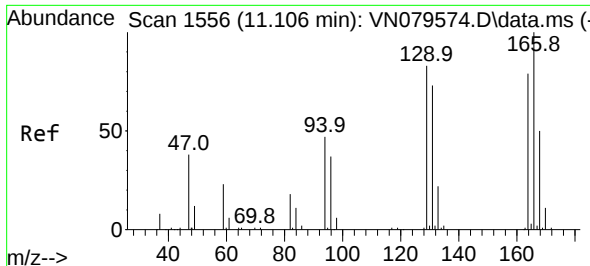
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#60
4-Bromofluorobenzene
Concen: 24.713 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

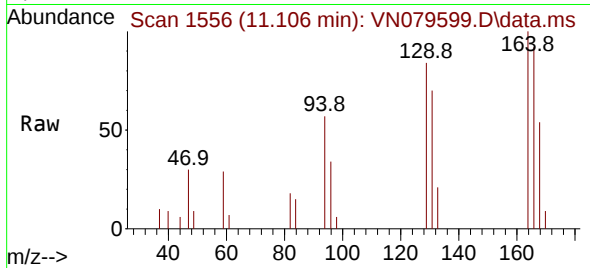
Tgt Ion: 95 Resp: 72166
Ion Ratio Lower Upper
95 100
174 74.9 60.5 90.7
176 71.6 57.2 85.8





#61
Tetrachloroethene
Concen: 3.123 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

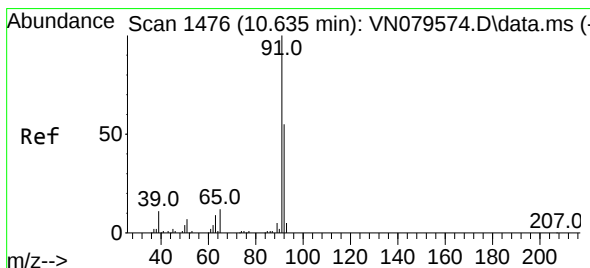
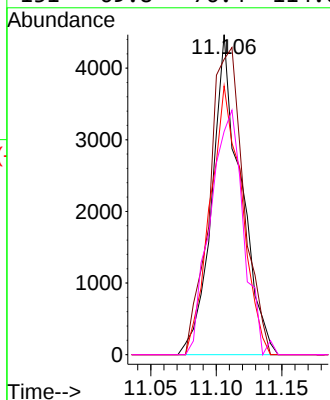
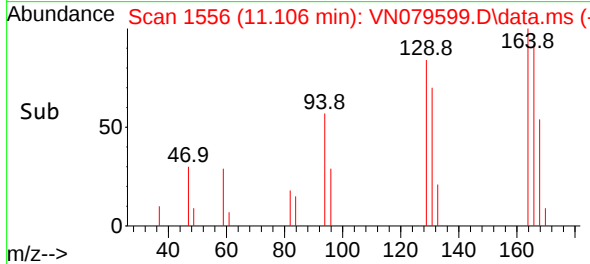
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:164 Resp: 684
Ion Ratio Lower Upper
164 100
166 92.3 98.2 147.4
129 84.0 75.0 112.4
131 69.8 76.4 114.6#

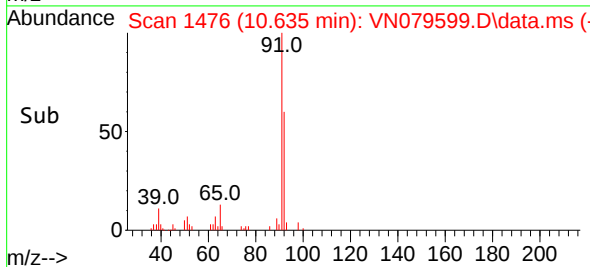
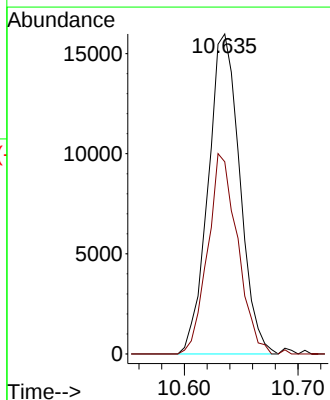
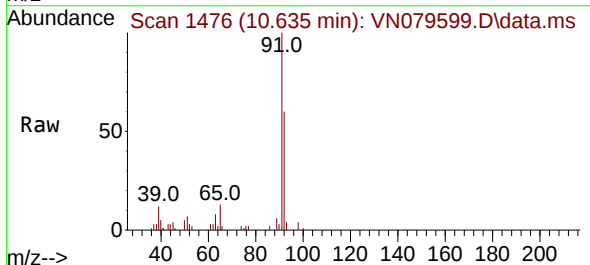
Manual Integrations
APPROVED

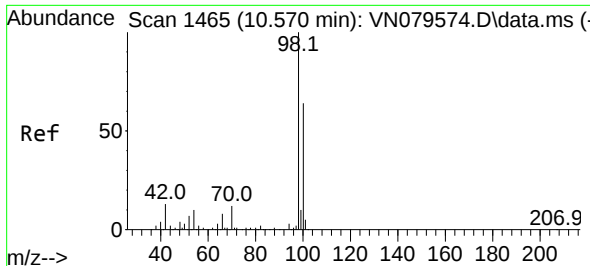
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#62
Toluene
Concen: 2.531 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

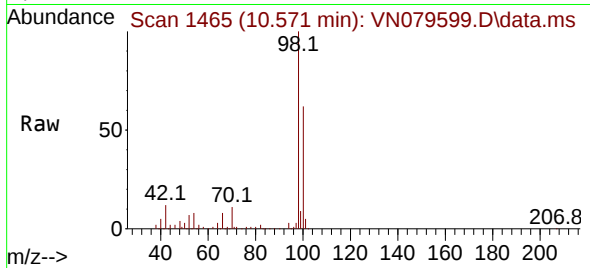
Tgt Ion: 91 Resp: 30883
Ion Ratio Lower Upper
91 100
92 59.1 45.3 67.9





#63
Toluene-d8
Concen: 30.258 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

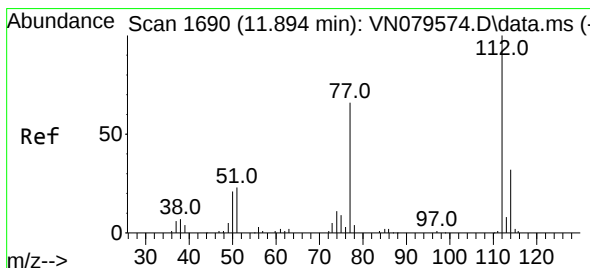
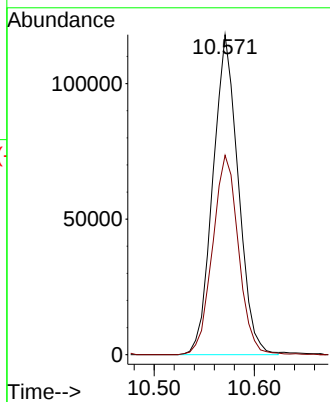
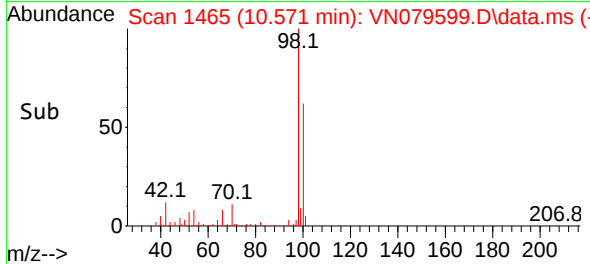
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 98 Resp: 207044
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

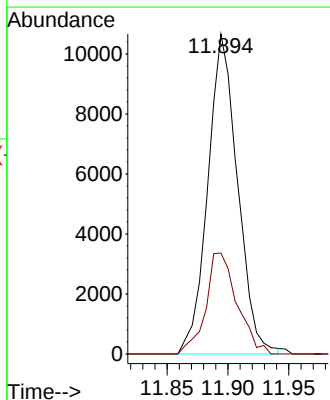
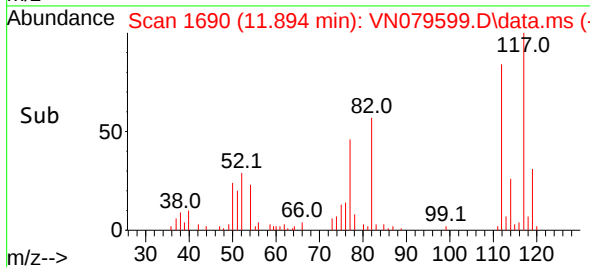
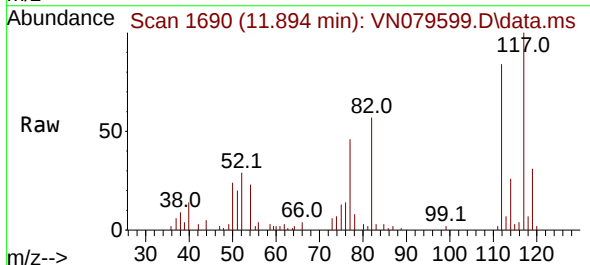
Manual Integrations
APPROVED

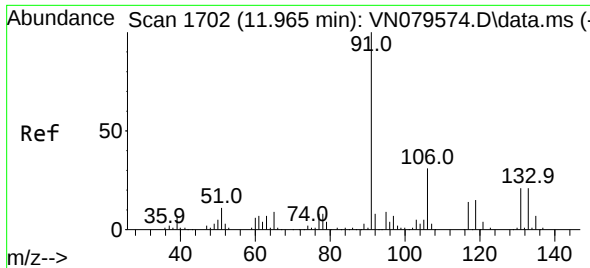
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#64
Chlorobenzene
Concen: 2.560 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion:112 Resp: 18119
Ion Ratio Lower Upper
112 100
114 31.5 28.1 42.1





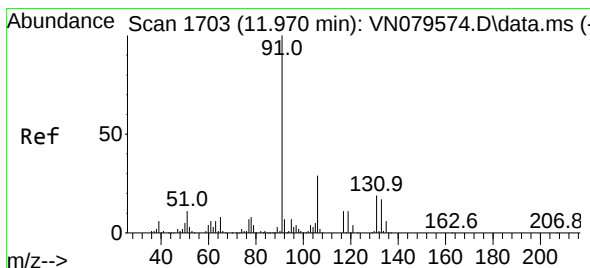
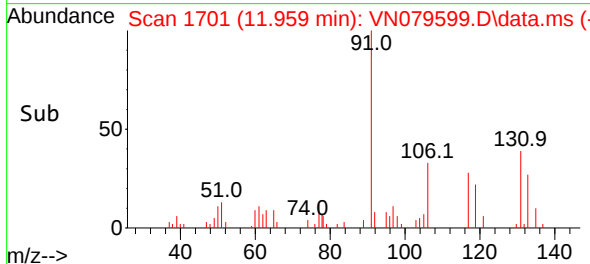
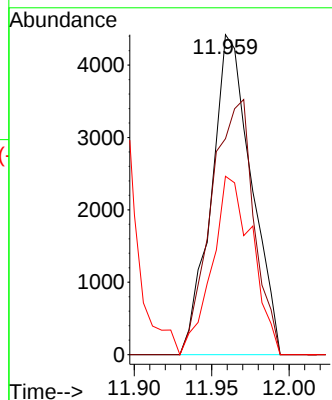
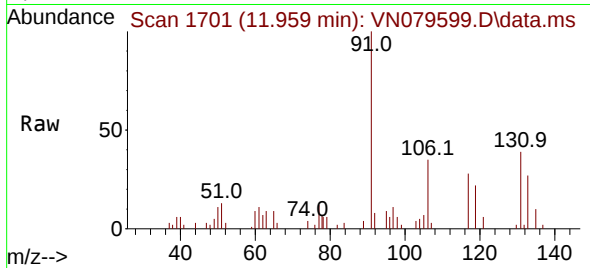
#65
1,1,1,2-Tetrachloroethane
Concen: 2.946 ug/l
RT: 11.959 min Scan# 1195
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion:131 Resp: 794.3
Ion Ratio Lower Upper
131 100
133 84.9 0.0 196.0
119 55.9 0.0 135.6

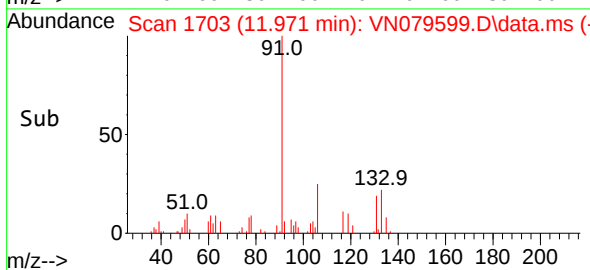
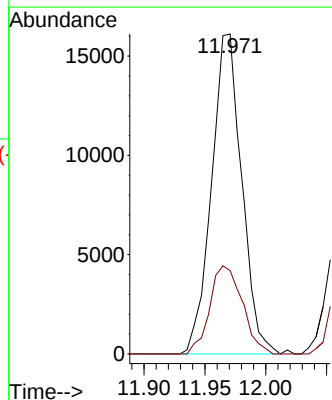
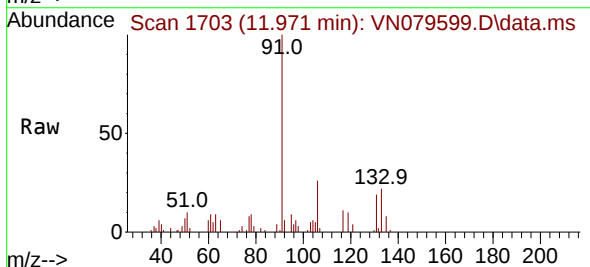
Manual Integrations
APPROVED

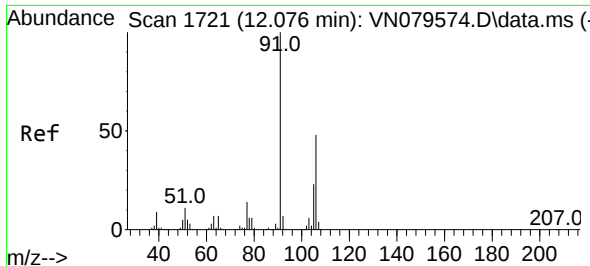
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#66
Ethyl Benzene
Concen: 2.213 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 91 Resp: 27825
Ion Ratio Lower Upper
91 100
106 26.1 23.8 35.8





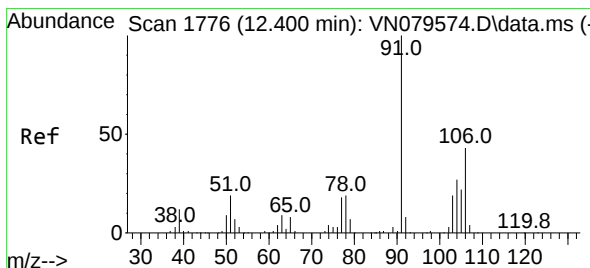
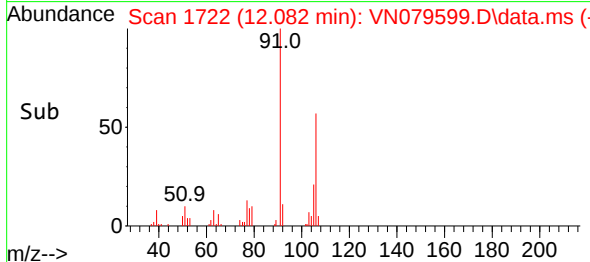
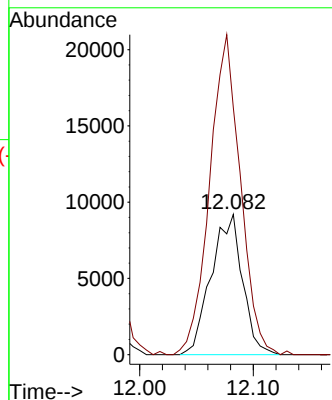
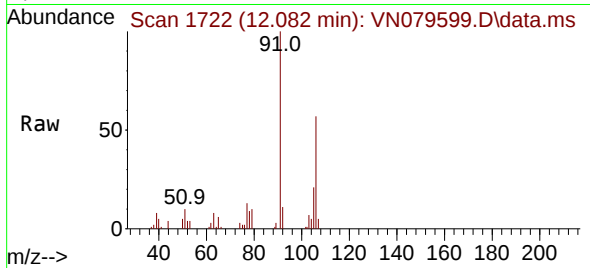
#67
m/p-Xylenes
Concen: 3.797 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion:106 Resp: 1766
Ion Ratio Lower Upper
106 100
91 222.8 161.8 242.6

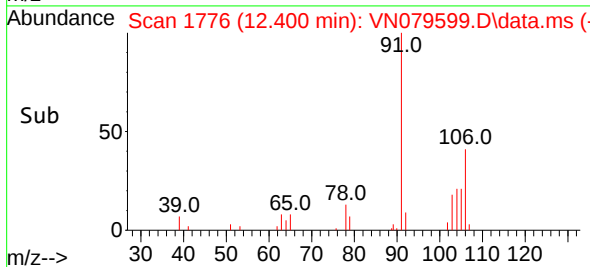
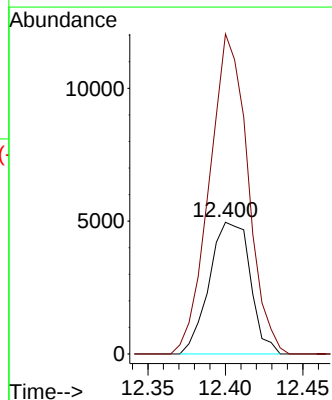
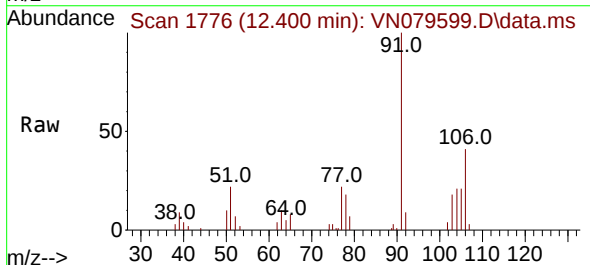
Manual Integrations
APPROVED

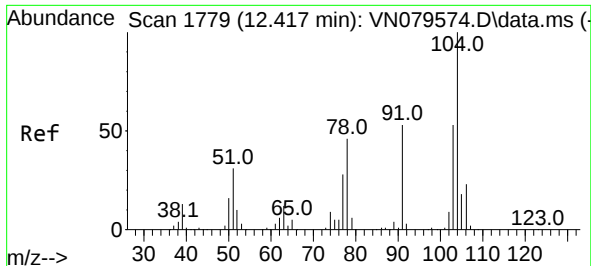
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#68
o-Xylene
Concen: 2.045 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

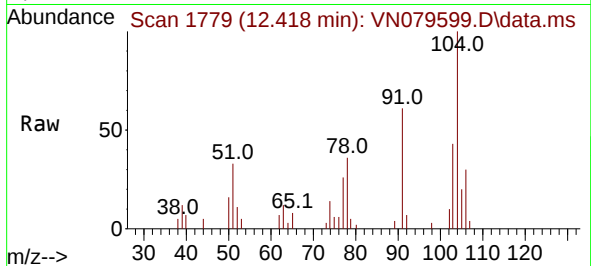
Tgt Ion:106 Resp: 9094
Ion Ratio Lower Upper
106 100
91 228.6 109.9 329.7





#69
Styrene
Concen: 1.766 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

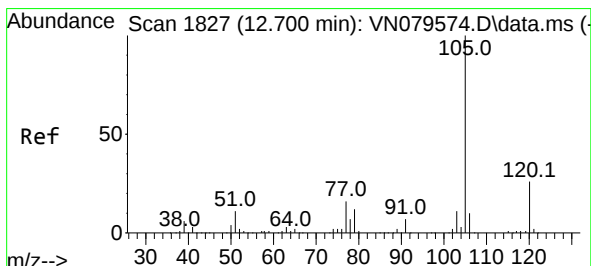
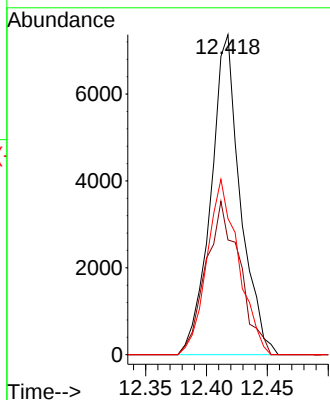
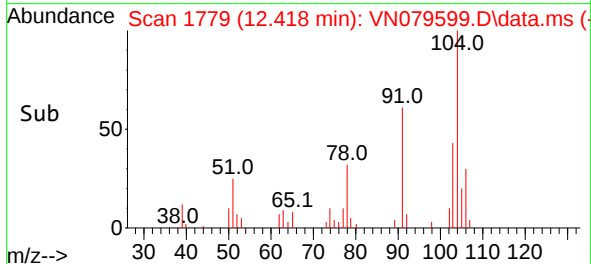
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



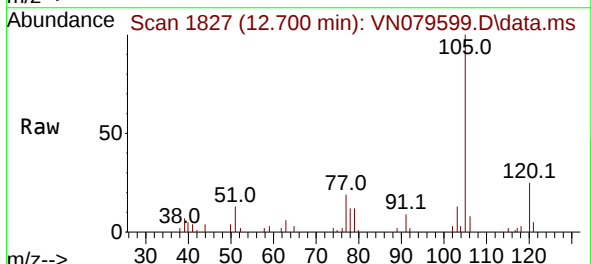
Tgt Ion:104 Resp: 1246
Ion Ratio Lower Upper
104 100
78 54.6 41.2 61.8
103 58.3 43.1 64.7

Manual Integrations
APPROVED

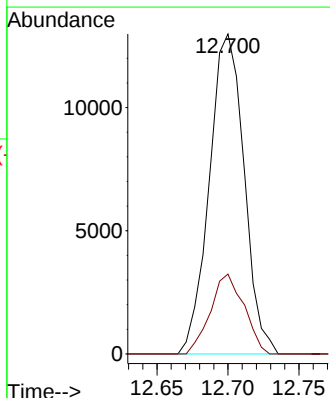
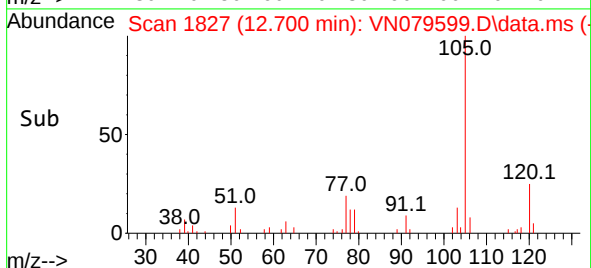
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

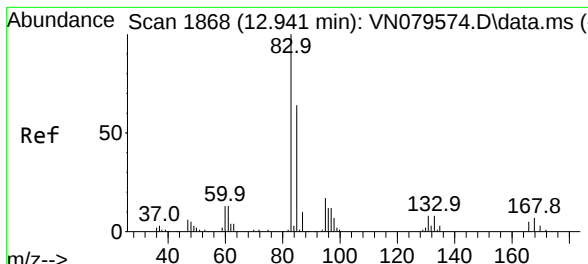


#70
Isopropylbenzene
Concen: 1.939 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



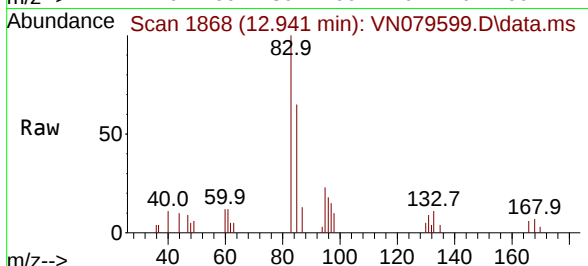
Tgt Ion:105 Resp: 22122
Ion Ratio Lower Upper
105 100
120 24.1 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 2.472 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

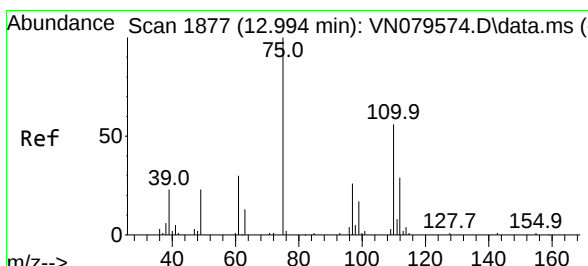
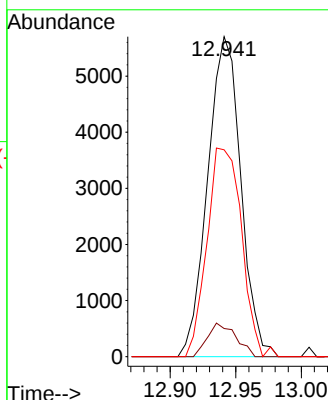
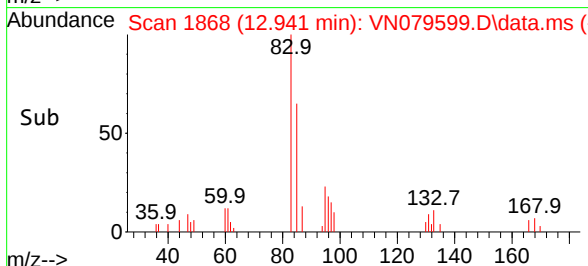
Instrument : MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 83 Resp: 10030
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.4
85 67.2 32.1 96.3

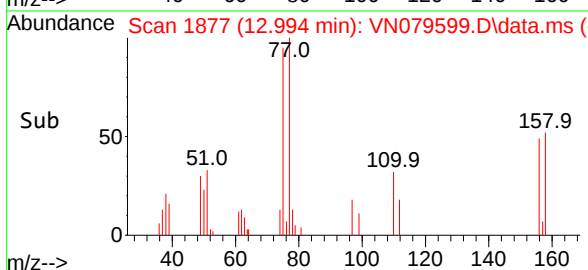
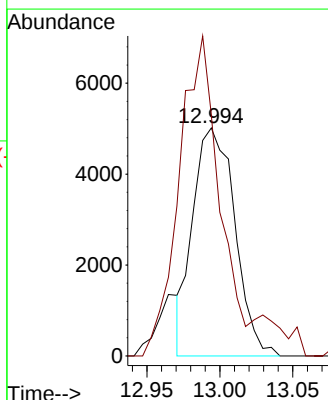
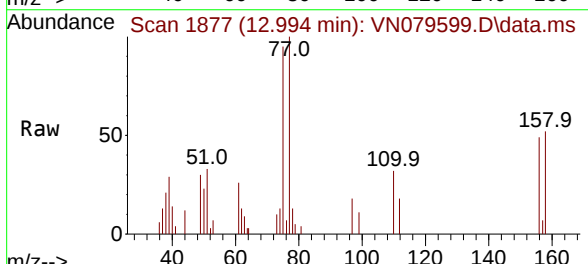
Manual Integrations
APPROVED

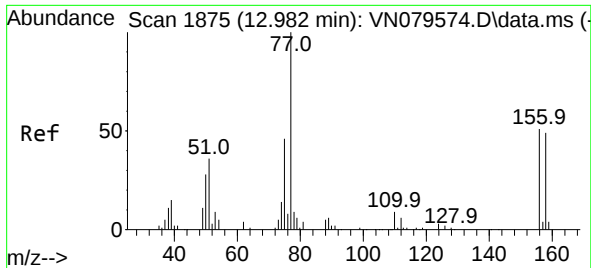
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#72
1,2,3-Trichloropropane
Concen: 2.717 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

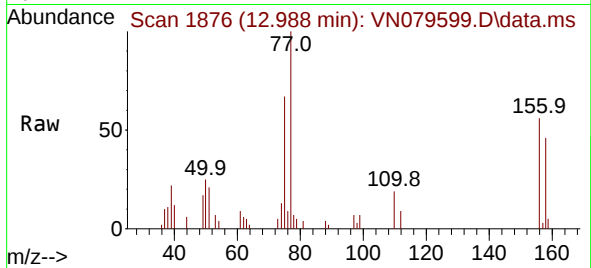
Tgt Ion: 75 Resp: 10012
Ion Ratio Lower Upper
75 100
77 134.1 0.0 338.2





#73
Bromobenzene
Concen: 2.298 ug/l
RT: 12.988 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

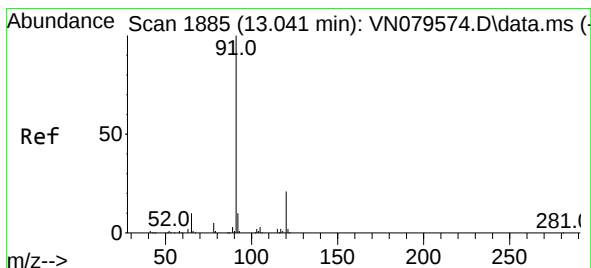
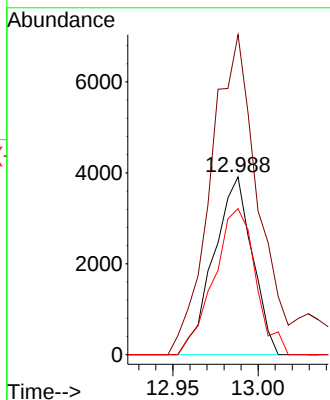
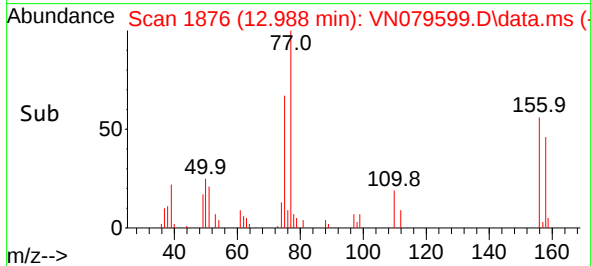
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:156 Resp: 6159
Ion Ratio Lower Upper
156 100
77 218.0 0.0 448.2
158 88.8 0.0 194.8

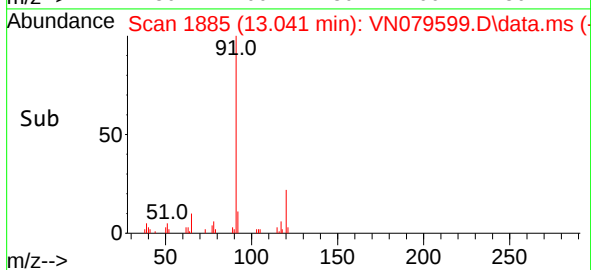
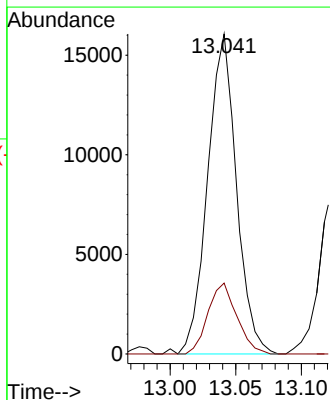
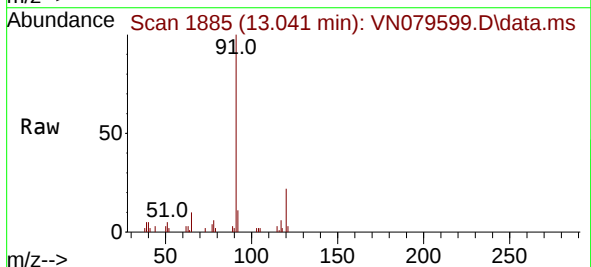
Manual Integrations
APPROVED

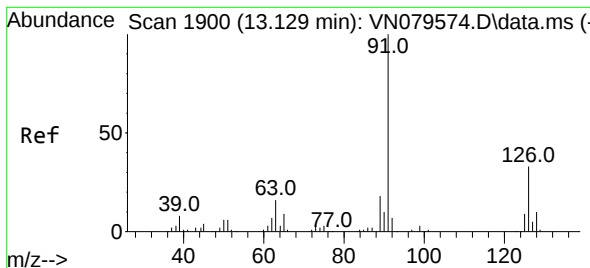
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#74
n-propylbenzene
Concen: 1.846 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion: 91 Resp: 24523
Ion Ratio Lower Upper
91 100
120 22.2 0.0 42.0





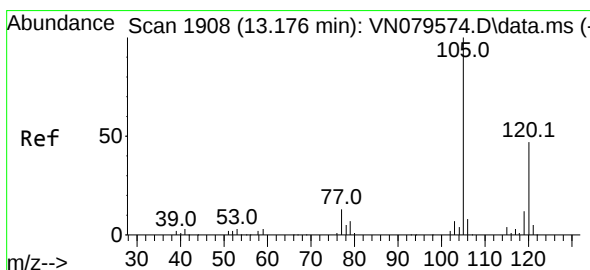
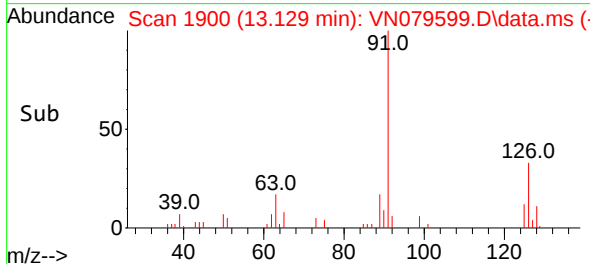
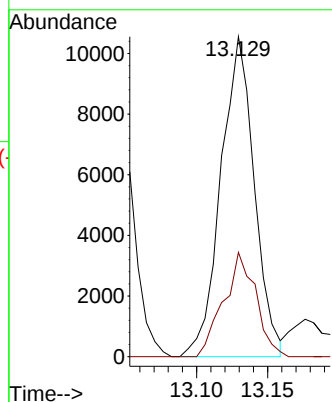
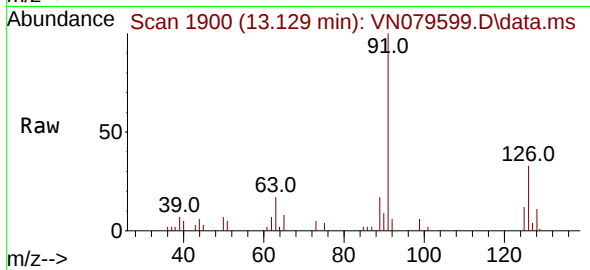
#75
2-Chlorotoluene
Concen: 2.097 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion: 91 Resp: 17310
Ion Ratio Lower Upper
91 100
126 31.3 0.0 64.6

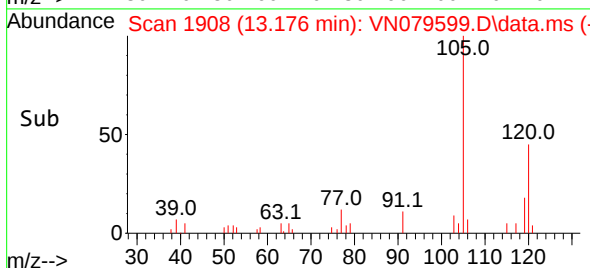
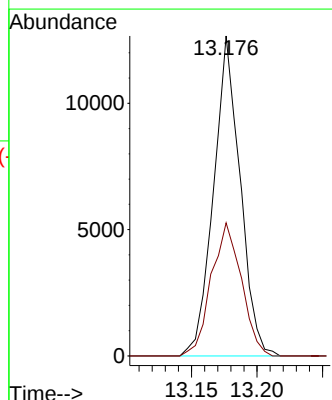
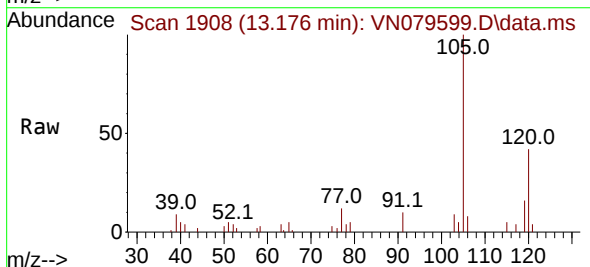
Manual Integrations
APPROVED

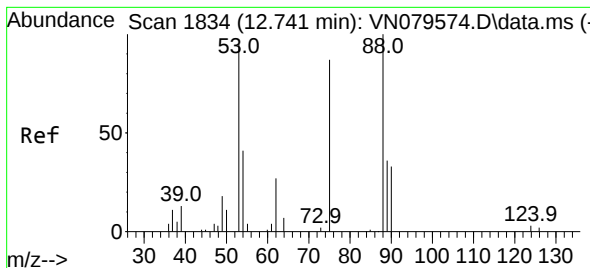
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#76
1,3,5-Trimethylbenzene
Concen: 1.911 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

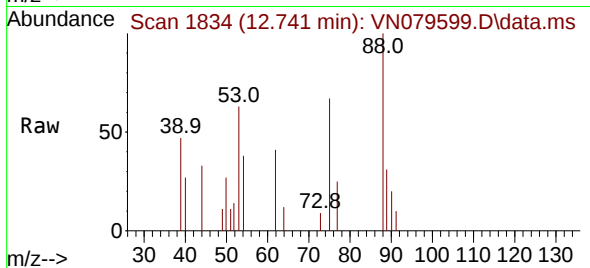
Tgt Ion:105 Resp: 17824
Ion Ratio Lower Upper
105 100
120 47.2 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 1.990 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

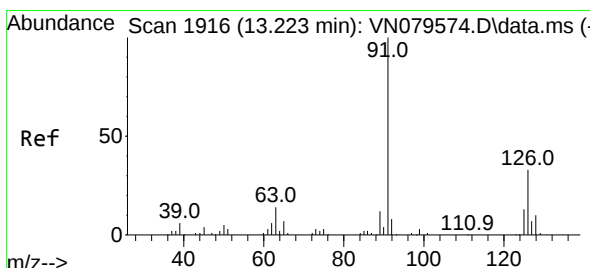
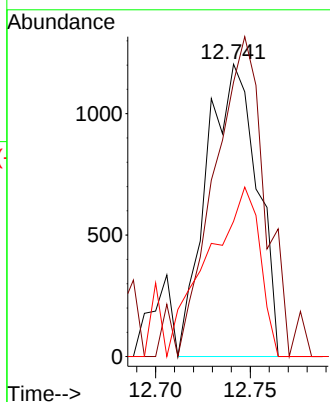
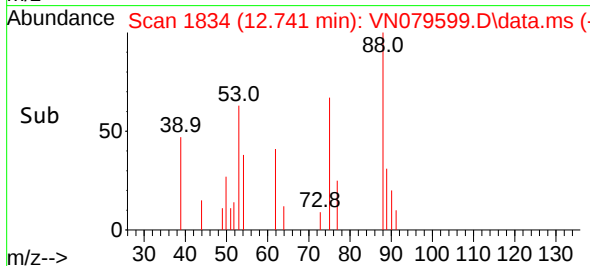
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



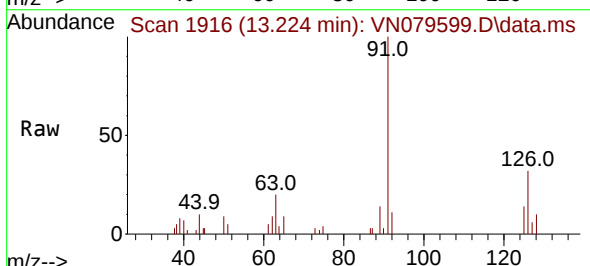
Tgt Ion: 75 Resp: 2238
Ion Ratio Lower Upper
75 100
53 93.9 53.0 159.1
89 46.3 22.6 67.7

Manual Integrations
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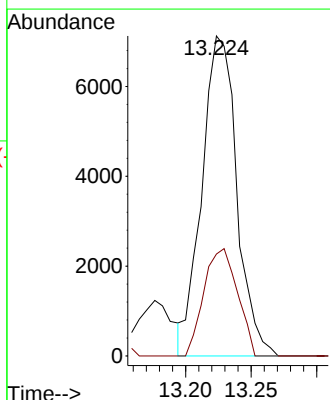
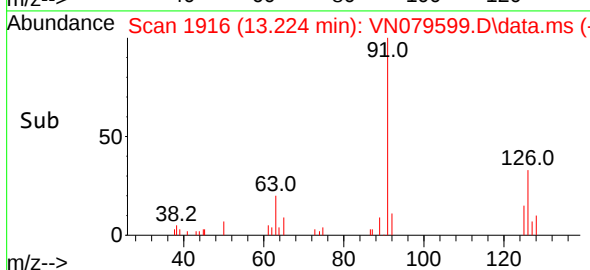
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

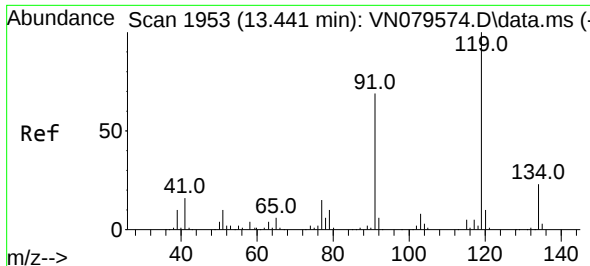


#78
4-Chlorotoluene
Concen: 1.687 ug/l
RT: 13.224 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



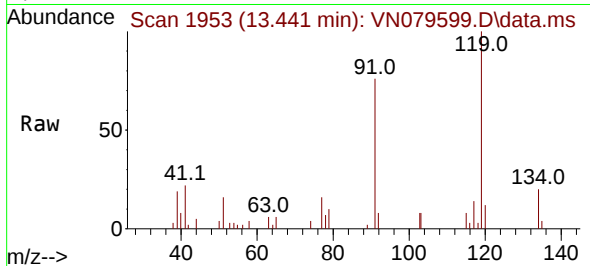
Tgt Ion: 91 Resp: 13160
Ion Ratio Lower Upper
91 100
126 32.3 0.0 65.4





#79
tert-butylbenzene
Concen: 1.952 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

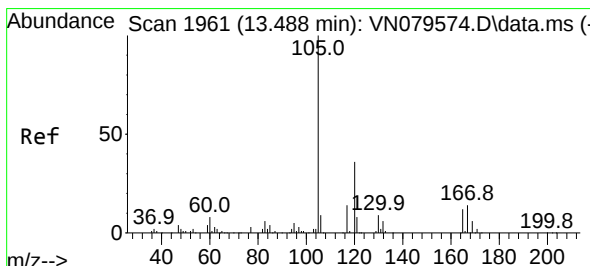
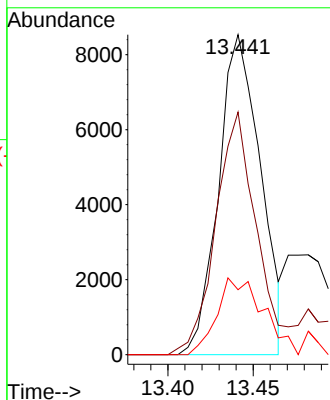
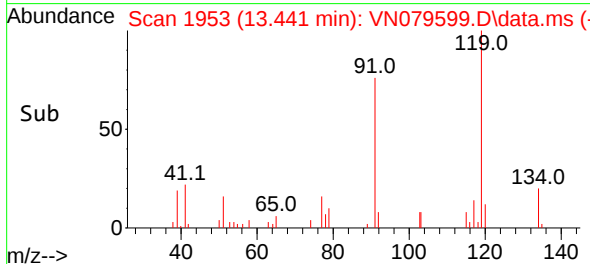
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



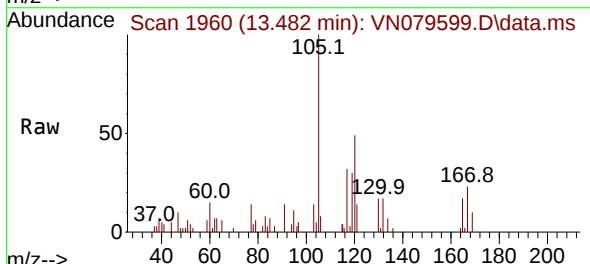
Tgt Ion:119 Resp: 1464
Ion Ratio Lower Upper
119 100
91 73.6 0.0 140.6
134 26.4 0.0 49.8

Manual Integrations
APPROVED

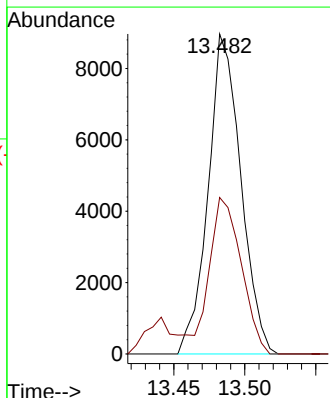
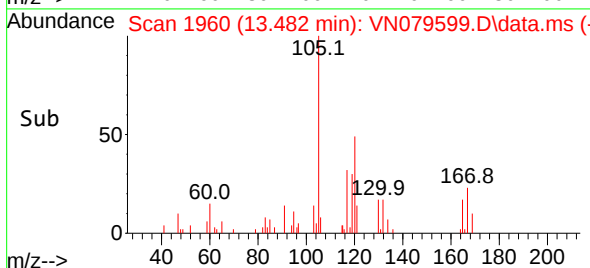
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

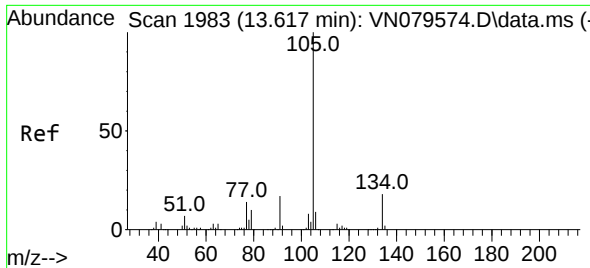


#80
1,2,4-Trimethylbenzene
Concen: 1.589 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08



Tgt Ion:105 Resp: 14362
Ion Ratio Lower Upper
105 100
120 46.7 0.0 88.6





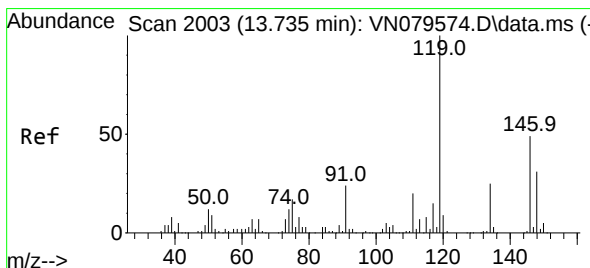
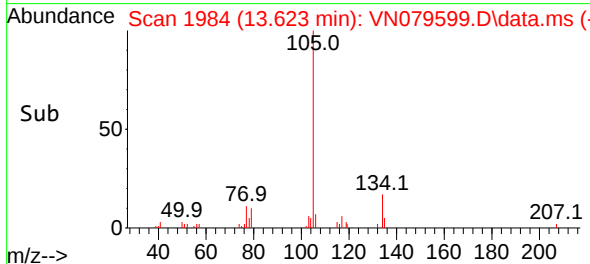
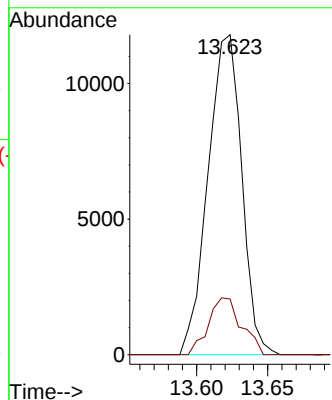
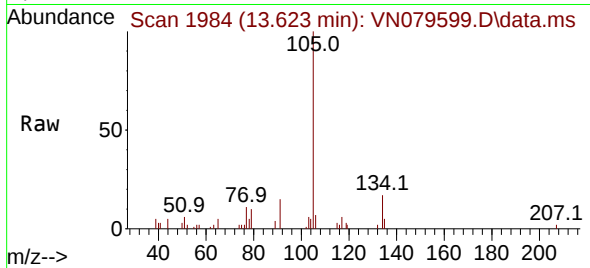
#81
 sec-Butylbenzene
 Concen: 1.848 ug/l
 RT: 13.623 min Scan# 1983
 Delta R.T. 0.006 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

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

Tgt Ion:105 Resp: 1945
 Ion Ratio Lower Upper
 105 100
 134 17.4 0.0 38.2

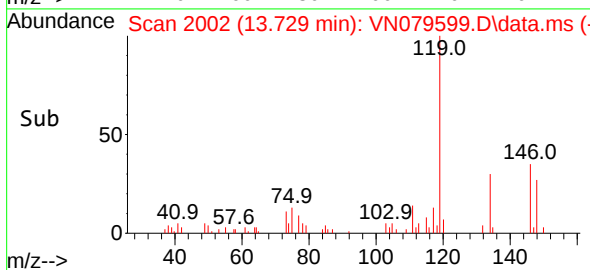
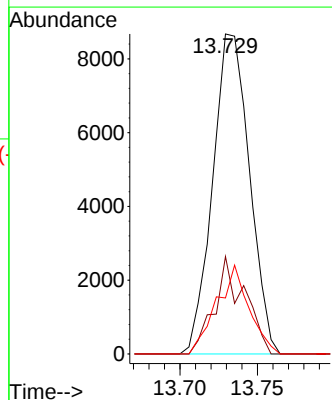
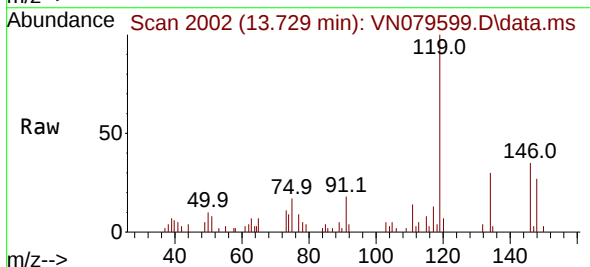
Manual Integrations
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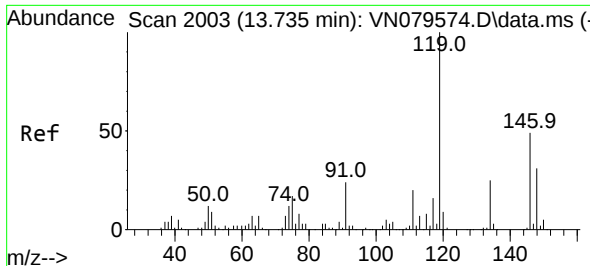
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#82
 p-Isopropyltoluene
 Concen: 1.720 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

Tgt Ion:119 Resp: 14361
 Ion Ratio Lower Upper
 119 100
 134 16.0 0.0 52.2
 91 24.5 0.0 50.0





#83

1,3-Dichlorobenzene

Concen: 1.684 ug/l

RT: 13.741 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion:146 Resp: 742

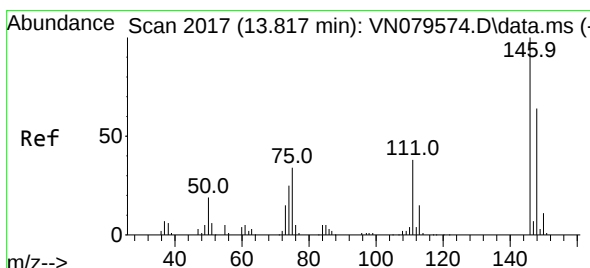
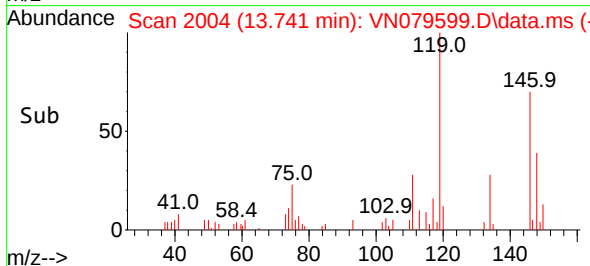
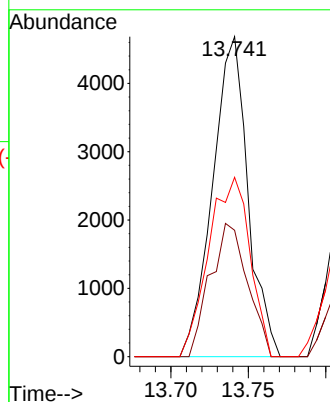
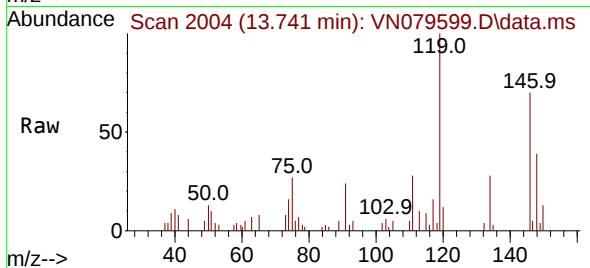
Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.0	63.0
148	65.6	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/20/2023



#84

1,4-Dichlorobenzene

Concen: 1.550 ug/l

RT: 13.812 min Scan# 2016

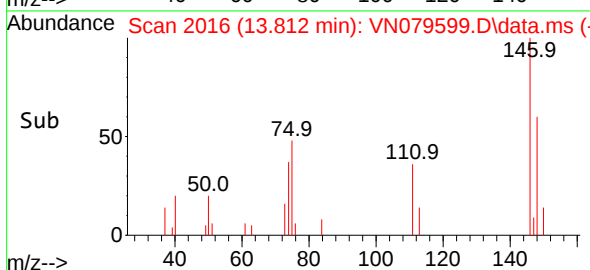
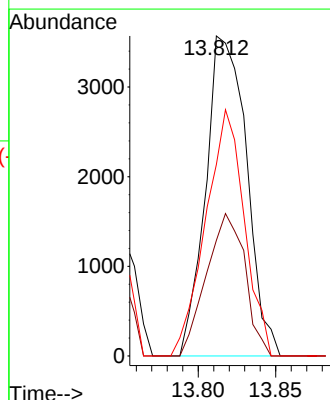
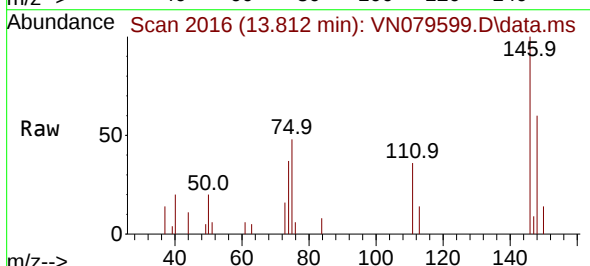
Delta R.T. -0.006 min

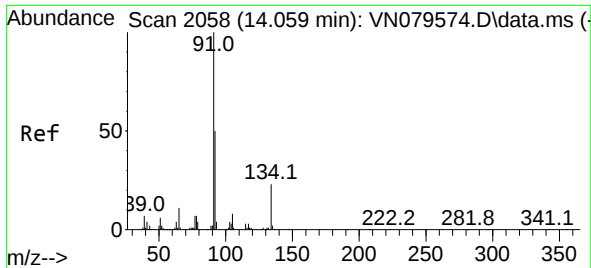
Lab File: VN079599.D

Acq: 18 Oct 2023 14:08

Tgt Ion:146 Resp: 6549

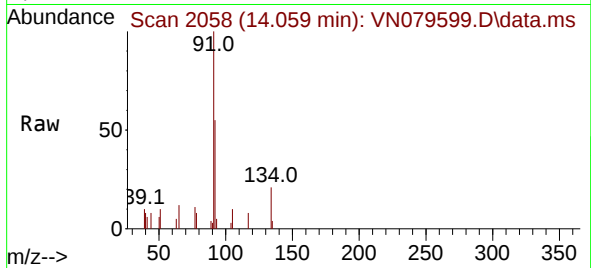
Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.9	59.7
148	72.7	32.6	97.7





#85
n-Butylbenzene
Concen: 1.270 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

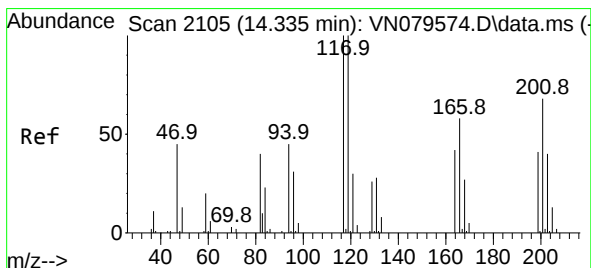
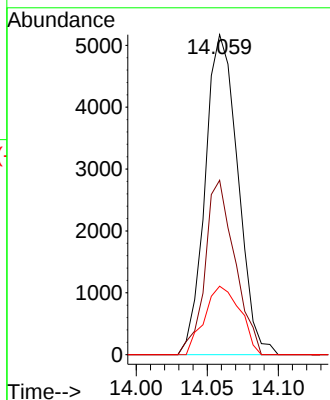
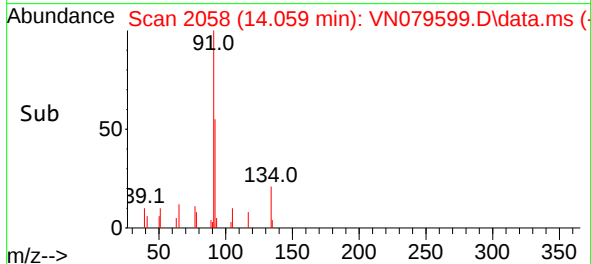
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 91 Resp: 8289
Ion Ratio Lower Upper
91 100
92 49.6 0.0 99.6
134 23.4 0.0 46.2

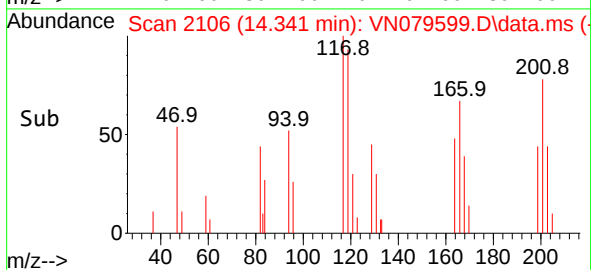
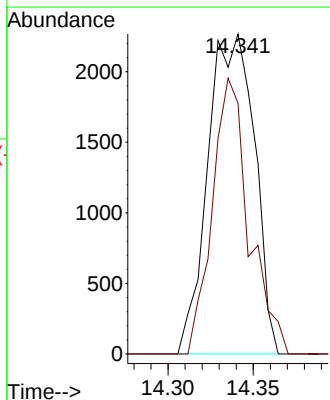
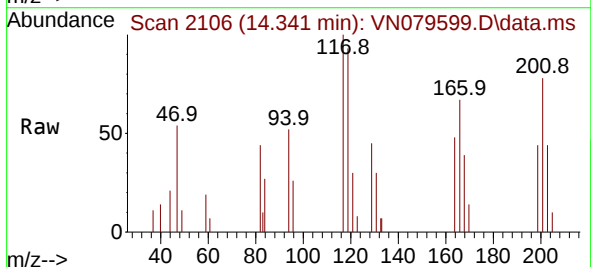
Manual Integrations
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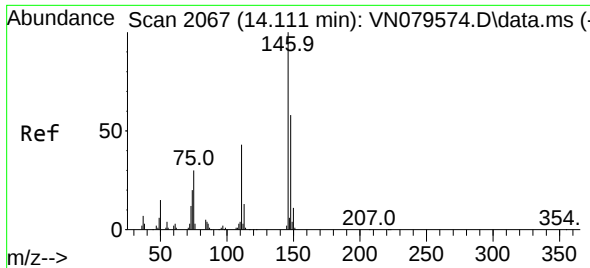
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#86
Hexachloroethane
Concen: 2.391 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

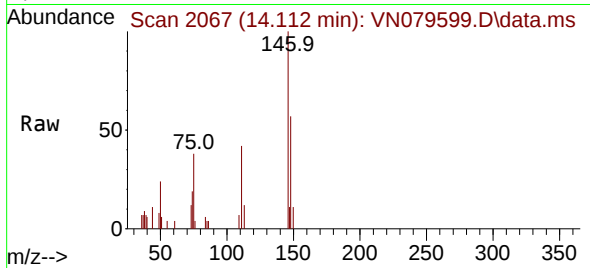
Tgt Ion:117 Resp: 4317
Ion Ratio Lower Upper
117 100
201 67.9 32.5 97.5





#87
 1,2-Dichlorobenzene
 Concen: 1.749 ug/l
 RT: 14.112 min Scan# 2067
 Delta R.T. 0.000 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

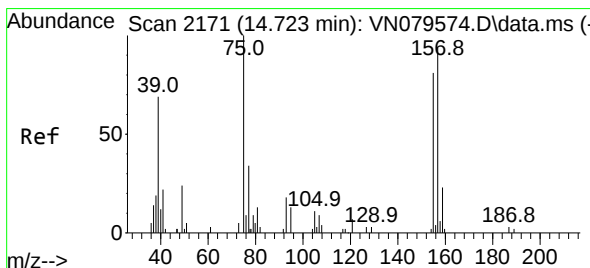
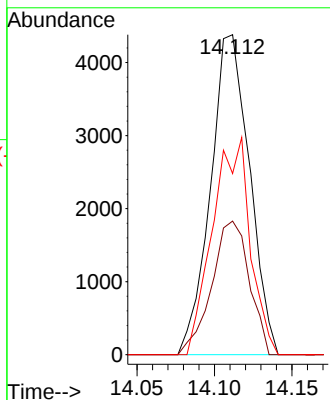
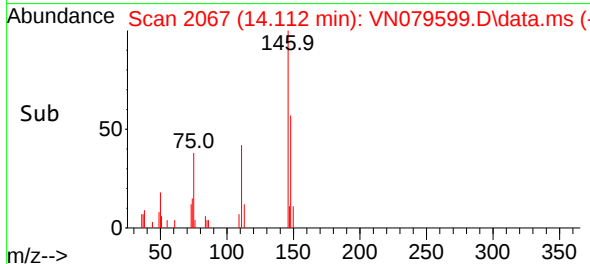
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion:146 Resp: 766
 Ion Ratio Lower Upper
 146 100
 111 40.3 22.0 66.0
 148 65.4 31.1 93.5

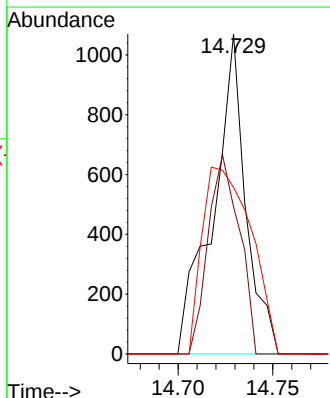
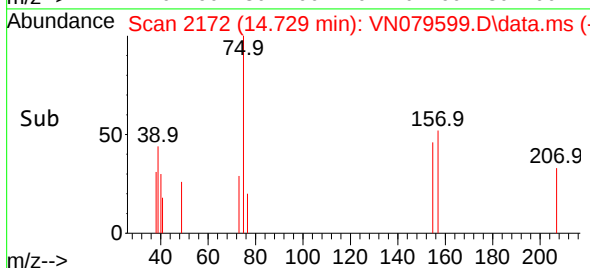
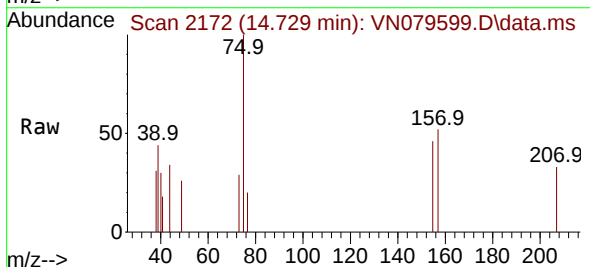
Manual Integrations
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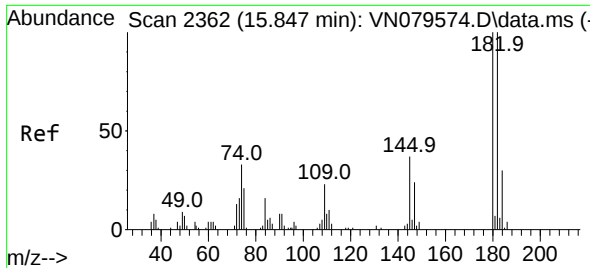
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.067 ug/l
 RT: 14.729 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VN079599.D
 Acq: 18 Oct 2023 14:08

Tgt Ion: 75 Resp: 1278
 Ion Ratio Lower Upper
 75 100
 155 59.5 60.7 91.1#
 157 87.9 76.8 115.2





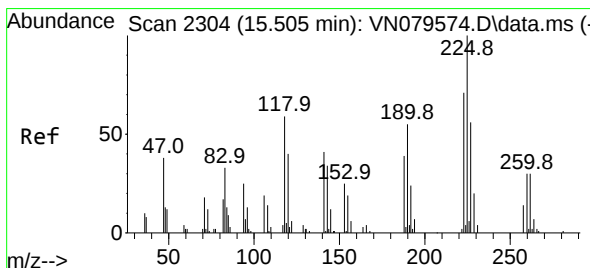
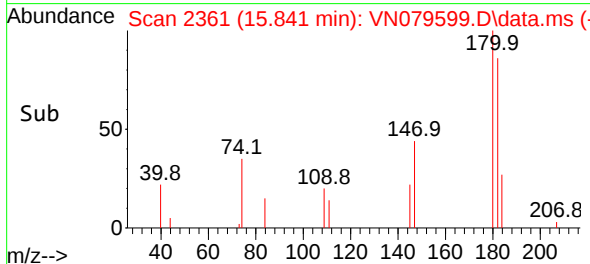
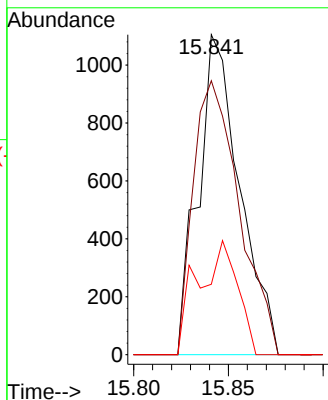
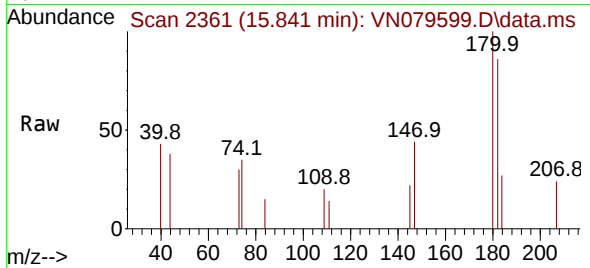
#89
1,2,4-Trichlorobenzene
Concen: 1.094 ug/l
RT: 15.841 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

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

Tgt Ion:180 Resp: 1689
Ion Ratio Lower Upper
180 100
182 94.6 74.2 111.4
145 22.6 25.4 38.2

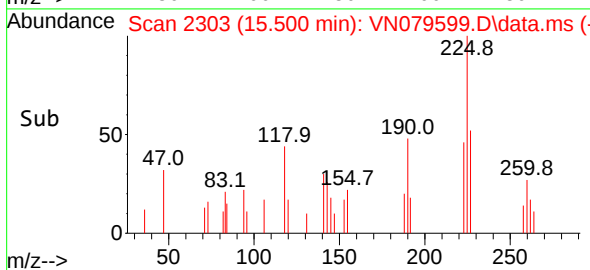
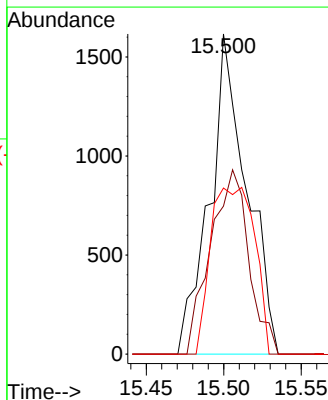
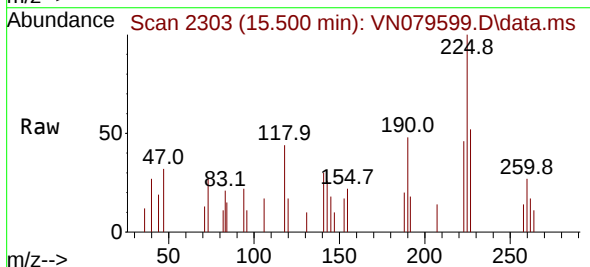
Manual Integrations
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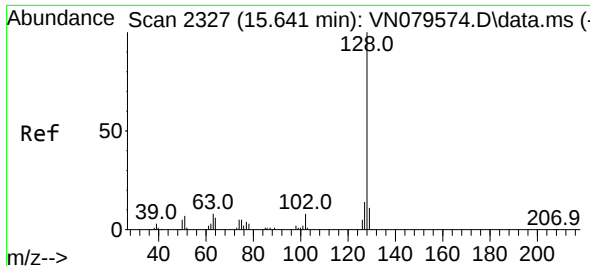
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#90
Hexachlorobutadiene
Concen: 2.459 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

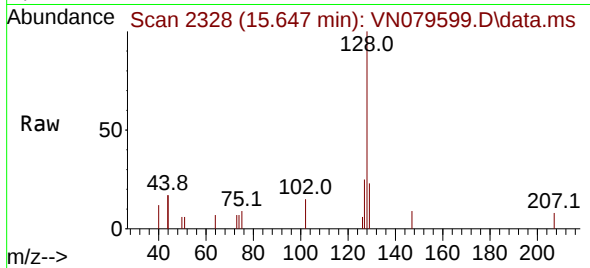
Tgt Ion:225 Resp: 2689
Ion Ratio Lower Upper
225 100
223 59.5 0.0 126.0
227 35.6 0.0 127.0





#91
Naphthalene
Concen: 1.211 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

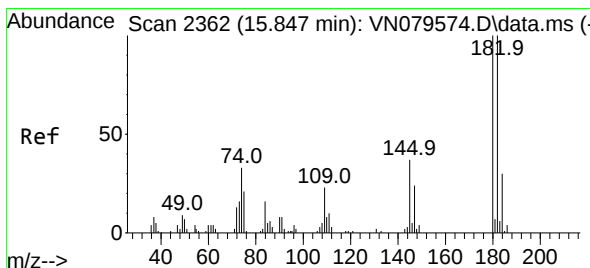
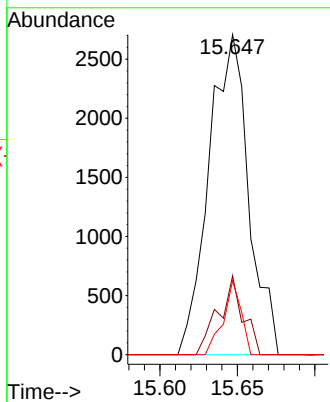
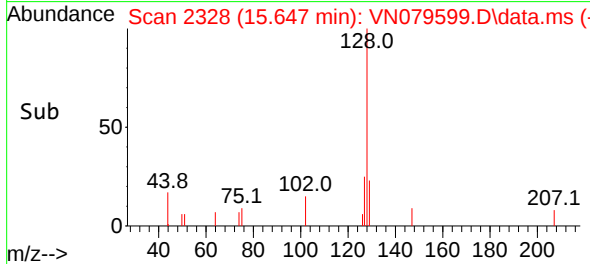
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:128 Resp: 4824
Ion Ratio Lower Upper
128 100
127 15.3 10.9 16.3
129 10.4 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023



#92
1,2,3-Trichlorobenzene
Concen: 1.094 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079599.D
Acq: 18 Oct 2023 14:08

Tgt Ion:180 Resp: 1689
Ion Ratio Lower Upper
180 100
182 94.6 0.0 185.6
145 22.6 0.0 63.6

