

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076773.D
 Acq On : 22 Feb 2023 16:05
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 00:44:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	232444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	437204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	373279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	134987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	162940	50.765	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	101.520%		
35) Dibromofluoromethane	8.172	113	122470	42.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.540%		
50) Toluene-d8	10.572	98	463608	43.358	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.720%		
62) 4-Bromofluorobenzene	12.854	95	129474	36.560	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	73.120%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	898	0.279	ug/l #	54
4) Vinyl Chloride	2.543	62	773	0.244	ug/l #	63
5) Bromomethane	2.990	94	1088m	0.567	ug/l	
6) Chloroethane	3.125	64	473	0.236	ug/l #	44
7) Trichlorofluoromethane	3.513	101	879	0.204	ug/l #	52
11) Tert butyl alcohol	5.531	59	217	0.512	ug/l #	71
13) Acrolein	4.219	56	631m	0.992	ug/l	
15) Acrylonitrile	5.737	53	772	0.513	ug/l #	35
16) Acetone	4.466	43	1664	1.161	ug/l #	83
19) Methyl tert-butyl Ether	5.813	73	1656	0.205	ug/l #	52
20) Methylene Chloride	5.284	84	3519	1.171	ug/l #	65
23) Vinyl Acetate	6.613	43	4377	0.759	ug/l #	73
24) 1,1-Dichloroethane	6.572	63	1075m	0.201	ug/l	
25) 2-Butanone	7.507	43	2515	1.189	ug/l #	88
29) Tetrahydrofuran	7.854	42	1438	1.041	ug/l #	70
30) Chloroform	7.978	83	1205	0.226	ug/l #	69
31) Cyclohexane	8.225	56	7760	1.541	ug/l #	1
36) 1,1-Dichloropropene	8.389	75	996	0.241	ug/l #	55
37) Ethyl Acetate	7.566	43	1069	0.246	ug/l #	71
42) 1,2-Dichloroethane	8.684	62	1423	0.321	ug/l #	74
43) Isopropyl Acetate	8.689	43	1474	0.208	ug/l #	56
49) 1,4-Dioxane	9.695	88	115	1.978	ug/l #	20
51) 4-Methyl-2-Pentanone	10.442	43	3875	0.860	ug/l #	79
52) Toluene	10.636	92	1770	0.231	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.154	63	1567m	0.779	ug/l	
59) 2-Hexanone	11.201	43	2776	0.854	ug/l	84
64) Tetrachloroethene	11.095	164	563	0.239	ug/l #	21
68) m/p-Xylenes	12.072	106	1740	0.335	ug/l	78
76) 1,2,3-Trichloropropane	12.989	75	652m	0.239	ug/l	
77) Bromobenzene	12.989	156	670m	0.271	ug/l	
79) 2-Chlorotoluene	13.124	91	1463m	0.206	ug/l	
81) trans-1,4-Dichloro-2-b...	12.730	75	359m	0.383	ug/l	
82) 4-Chlorotoluene	13.124	91	1463m	0.206	ug/l	
87) 1,3-Dichlorobenzene	13.730	146	1048	0.225	ug/l	86
88) 1,4-Dichlorobenzene	13.807	146	1742m	0.375	ug/l	
91) 1,2-Dichlorobenzene	14.107	146	1004	0.210	ug/l #	72

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.401	180	620	0.260	ug/l #	85
95) Naphthalene	15.636	128	2030	0.280	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.836	180	571	0.247	ug/l #	61

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

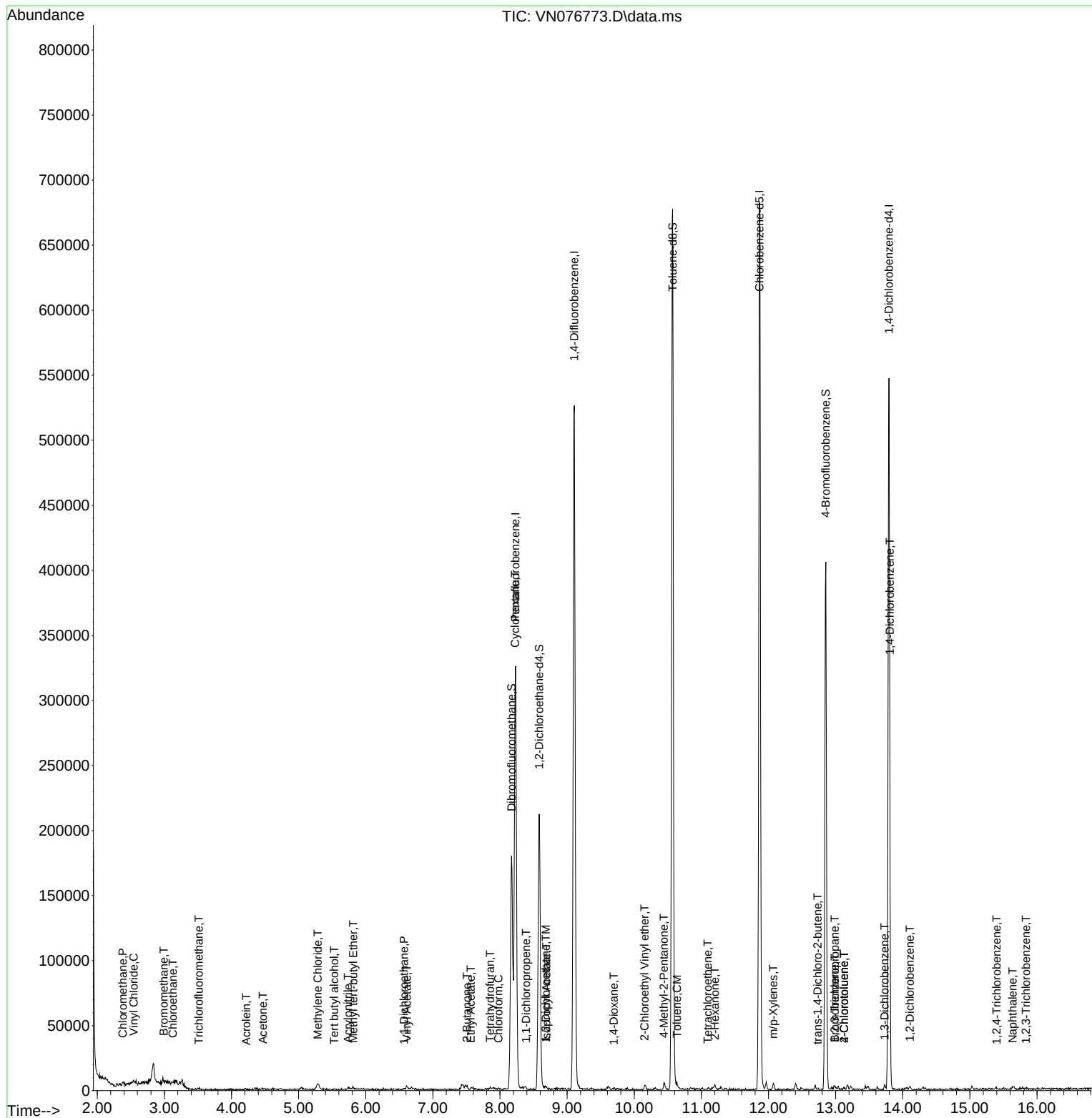
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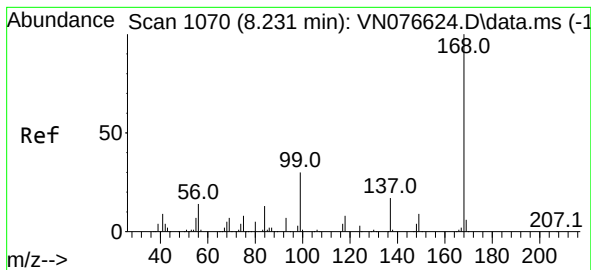
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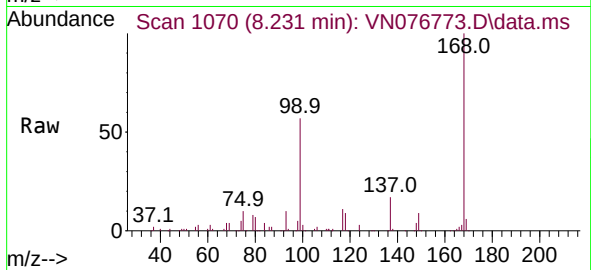
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

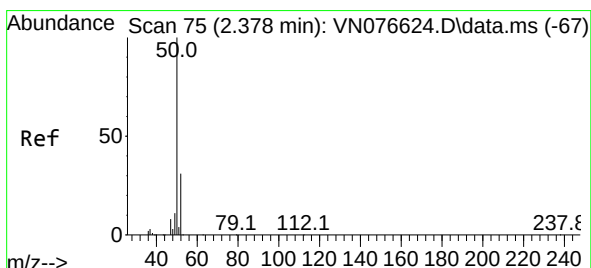
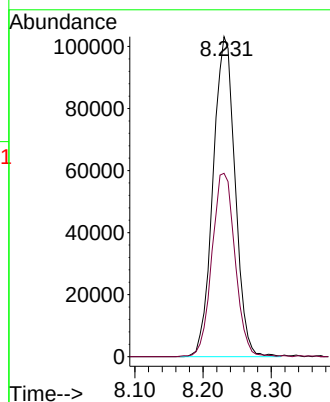
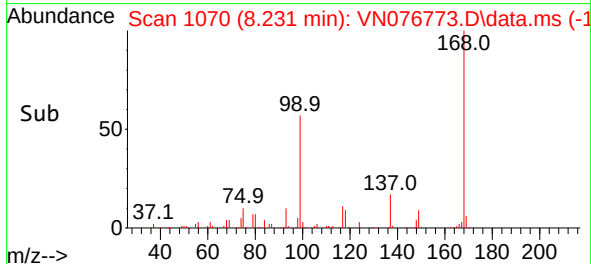
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:168 Resp: 232444
Ion Ratio Lower Upper
168 100
99 57.2 44.8 67.2

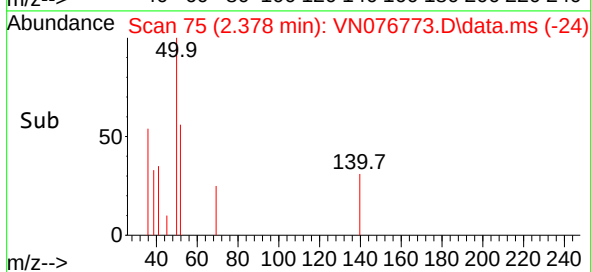
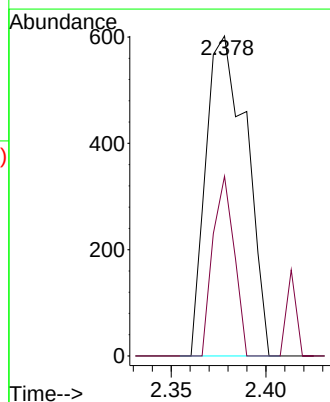
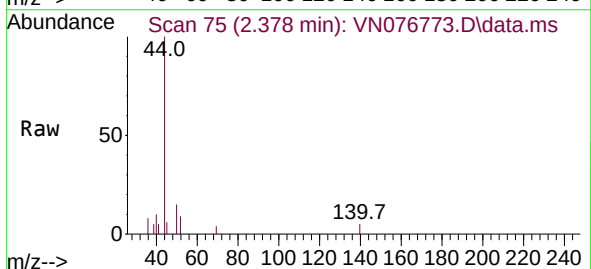
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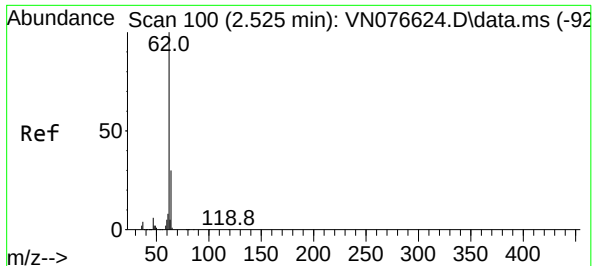
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#3
Chloromethane
Concen: 0.279 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion: 50 Resp: 898
Ion Ratio Lower Upper
50 100
52 56.1 24.7 37.1#





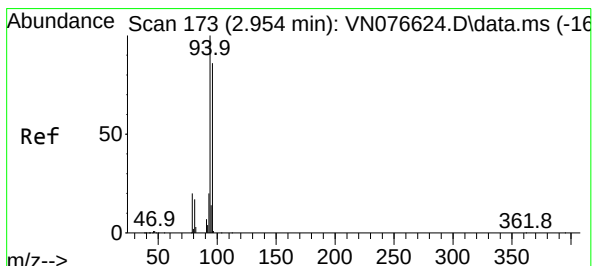
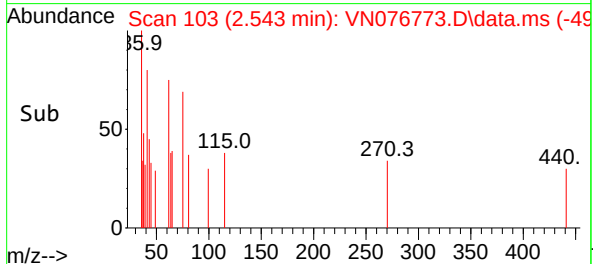
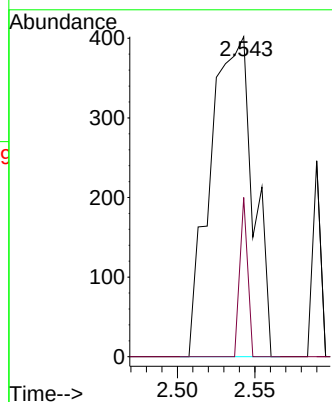
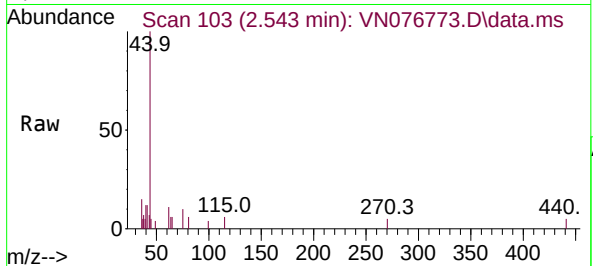
#4
 Vinyl Chloride
 Concen: 0.244 ug/l
 RT: 2.543 min Scan# 103
 Delta R.T. 0.018 min
 Lab File: VN076773.D
 Acq: 22 Feb 2023 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Tgt Ion: 62 Resp: 773
 Ion Ratio Lower Upper
 62 100
 64 49.8 23.9 35.9

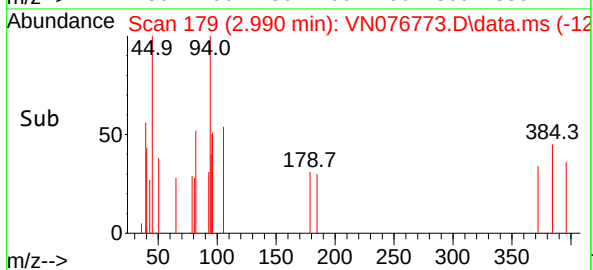
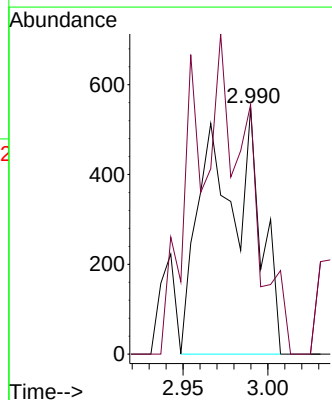
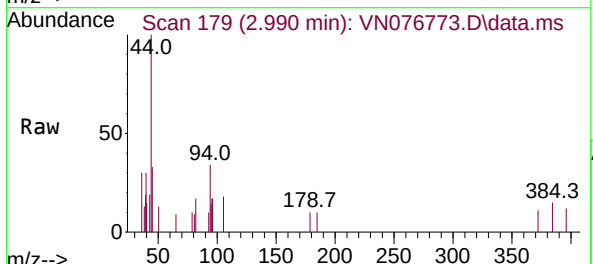
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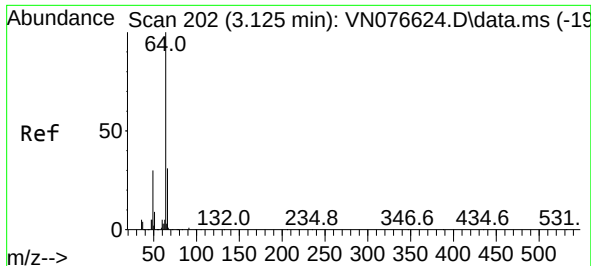
Reviewed By :John Carlone 02/23/2023
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#5
 Bromomethane
 Concen: 0.567 ug/l m
 RT: 2.990 min Scan# 179
 Delta R.T. 0.036 min
 Lab File: VN076773.D
 Acq: 22 Feb 2023 16:05

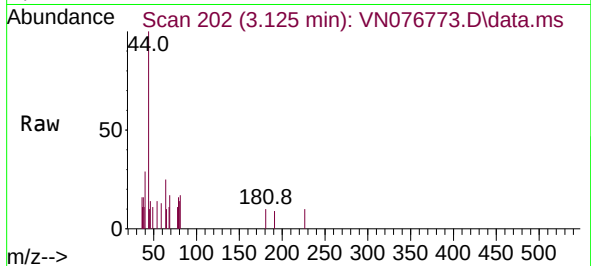
Tgt Ion: 94 Resp: 1088
 Ion Ratio Lower Upper
 94 100
 96 51.3 69.0 103.4





#6
Chloroethane
Concen: 0.236 ug/l
RT: 3.125 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

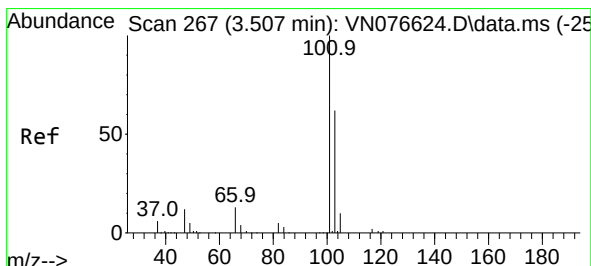
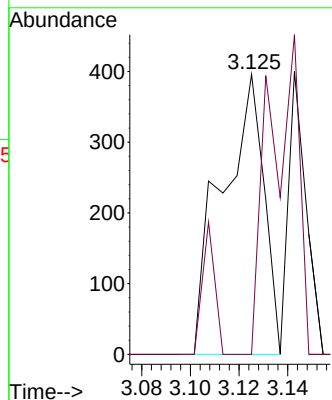
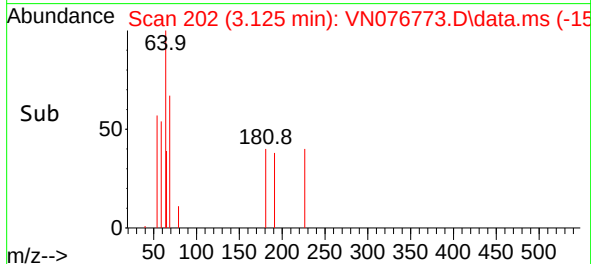
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 64 Resp: 473
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0

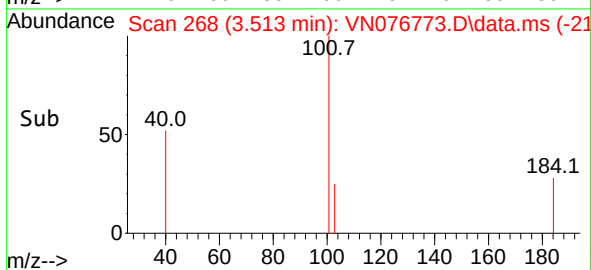
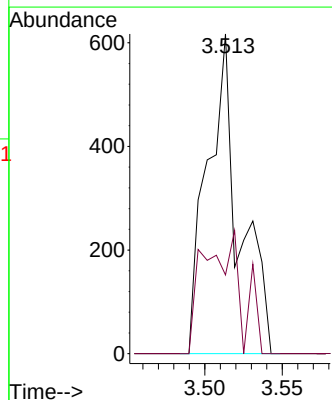
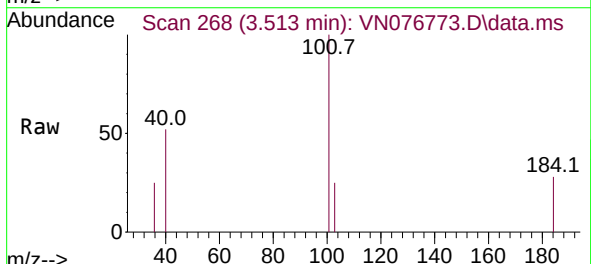
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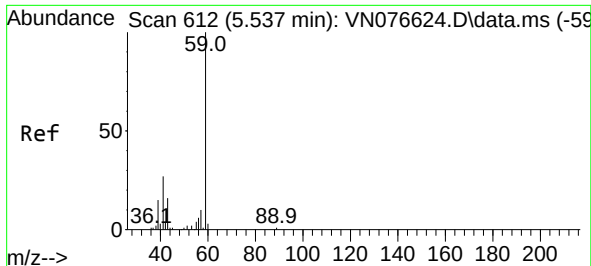
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#7
Trichlorofluoromethane
Concen: 0.204 ug/l
RT: 3.513 min Scan# 268
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion:101 Resp: 879
Ion Ratio Lower Upper
101 100
103 24.6 49.4 74.2





#11

Tert butyl alcohol

Concen: 0.512 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.006 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

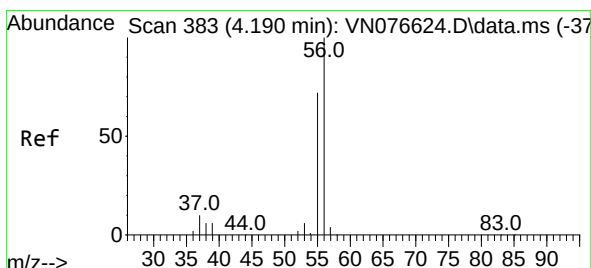
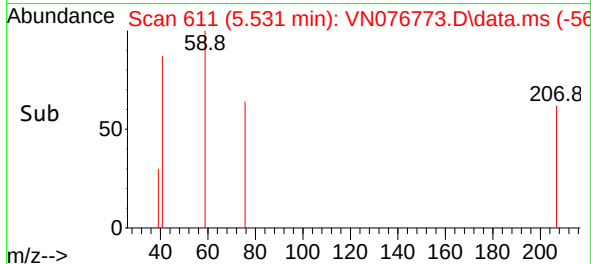
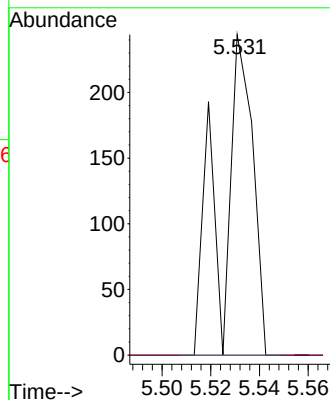
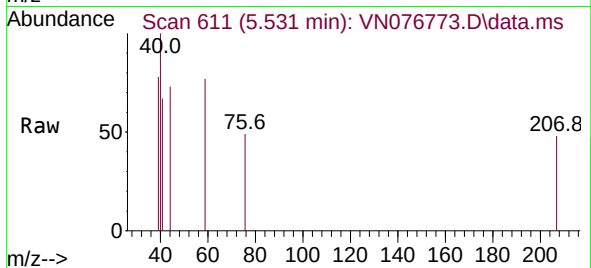
57 0.0 8.7 13.1

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#13

Acrolein

Concen: 0.992 ug/l m

RT: 4.219 min Scan# 388

Delta R.T. 0.029 min

Lab File: VN076773.D

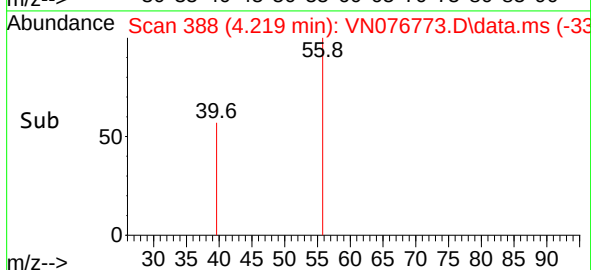
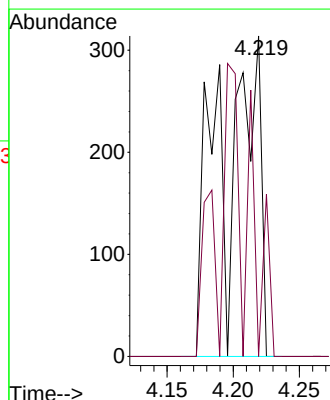
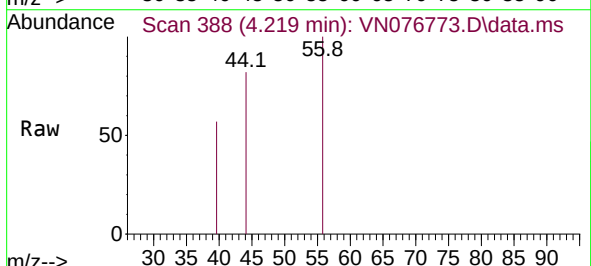
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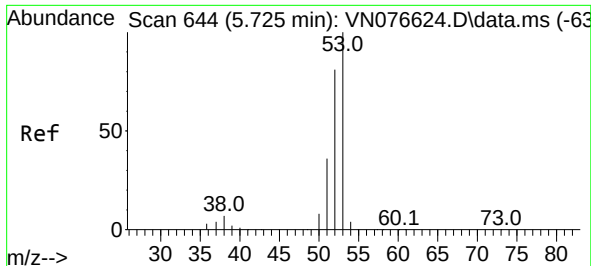
Tgt Ion: 56 Resp: 631

Ion Ratio Lower Upper

56 100

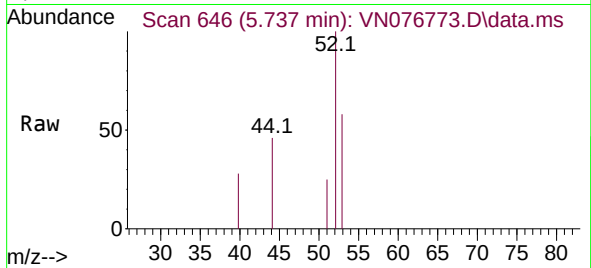
55 49.1 56.3 84.5





#15
Acrylonitrile
Concen: 0.513 ug/l
RT: 5.737 min Scan# 644
Delta R.T. 0.012 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

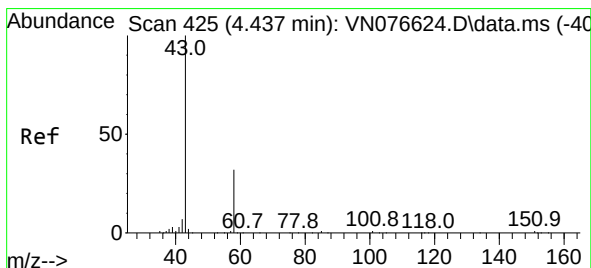
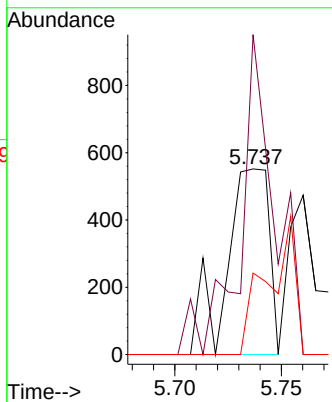
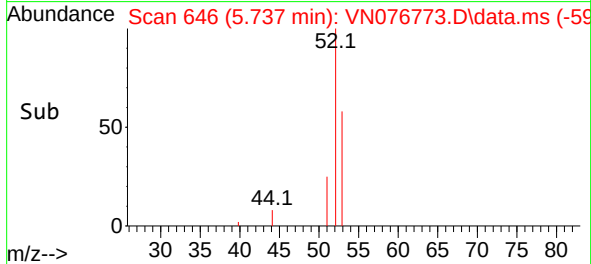
Instrument :
MSVOA_N
Client Sample Id :
MDL-WATER-03-QT1-2023



Tgt Ion: 53 Resp: 772
Ion Ratio Lower Upper
53 100
52 140.3 65.3 97.9
51 0.0 29.2 43.8

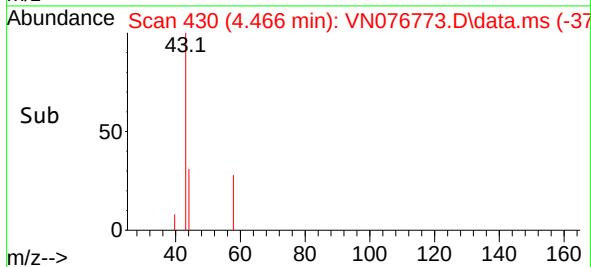
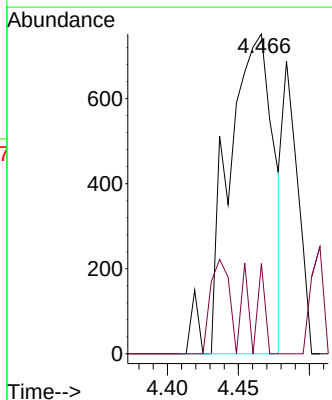
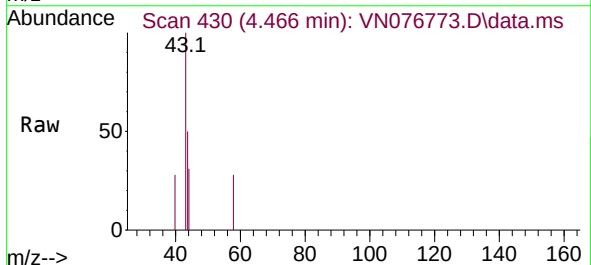
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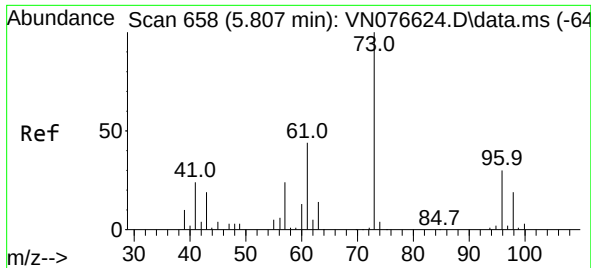
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#16
Acetone
Concen: 1.161 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.029 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion: 43 Resp: 1664
Ion Ratio Lower Upper
43 100
58 22.6 25.9 38.9





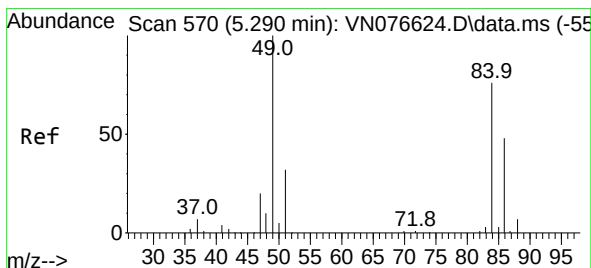
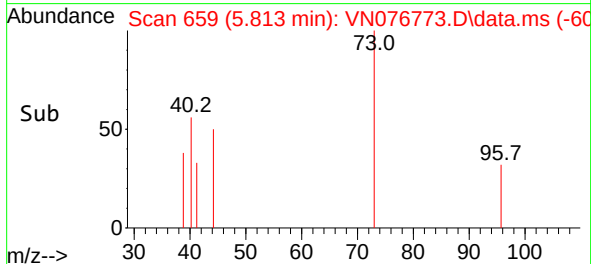
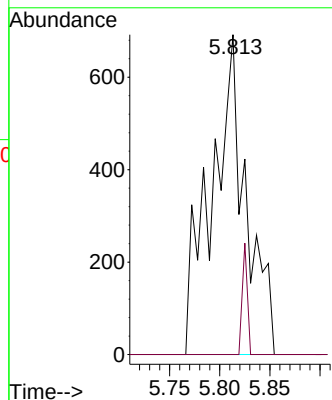
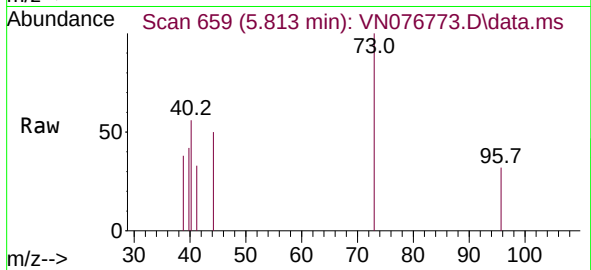
#19
Methyl tert-butyl Ether
Concen: 0.205 ug/l
RT: 5.813 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 73 Resp: 1650
Ion Ratio Lower Upper
73 100
57 0.0 19.0 28.4

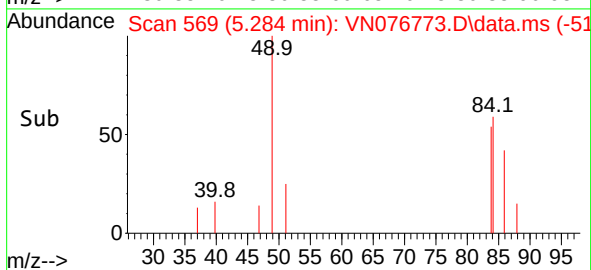
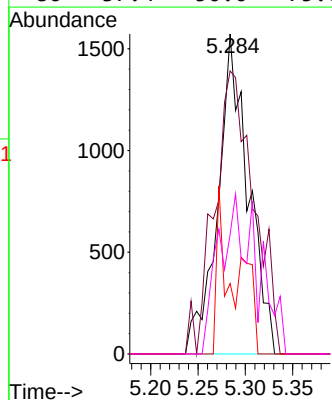
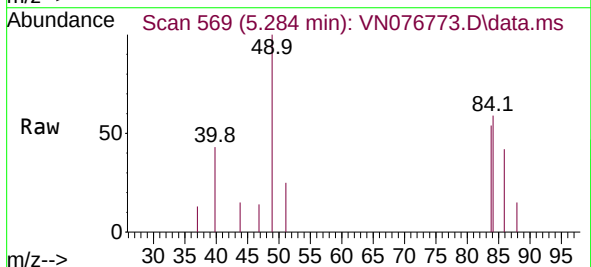
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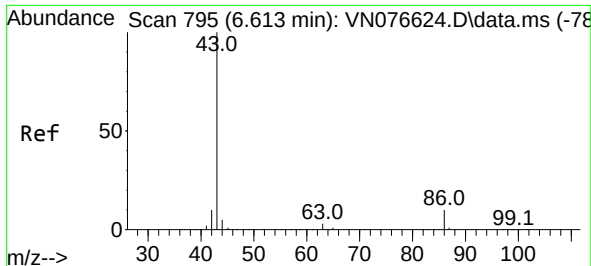
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#20
Methylene Chloride
Concen: 1.171 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion: 84 Resp: 3519
Ion Ratio Lower Upper
84 100
49 88.4 104.9 157.3#
51 22.0 33.8 50.8#
86 37.4 50.0 75.0#





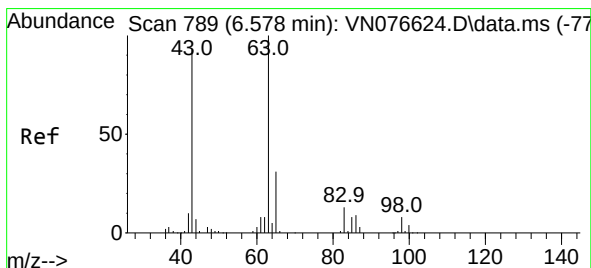
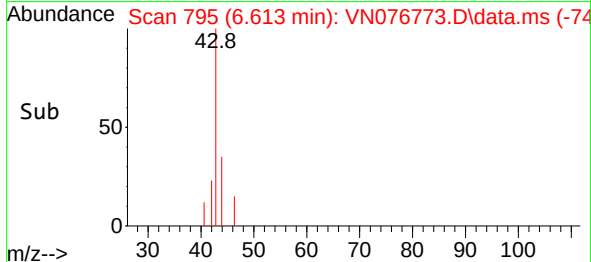
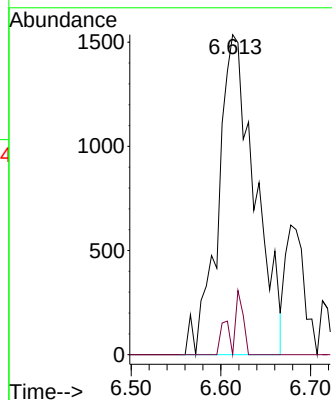
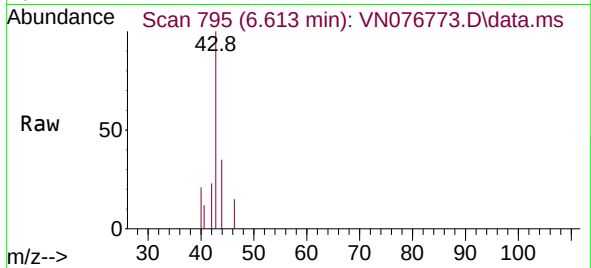
#23
 Vinyl Acetate
 Concen: 0.759 ug/l
 RT: 6.613 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: VN076773.D
 Acq: 22 Feb 2023 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 437
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.2

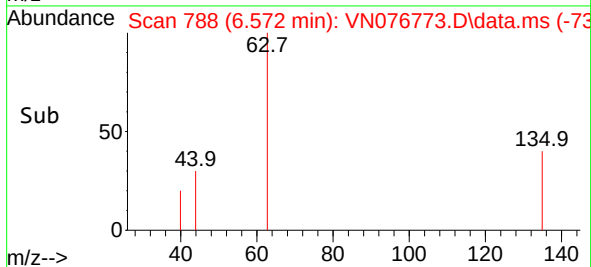
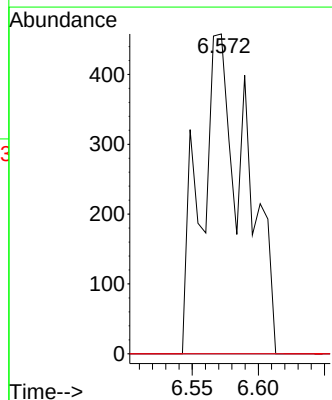
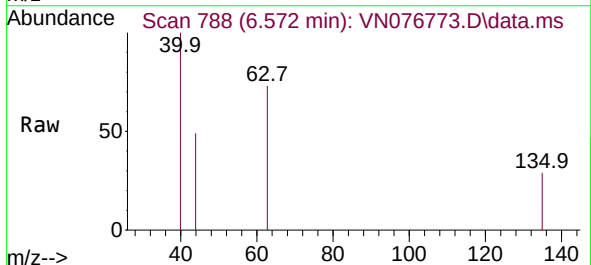
Manual Integrations
 APPROVED

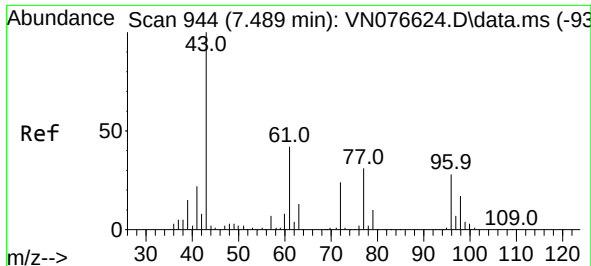
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#24
 1,1-Dichloroethane
 Concen: 0.201 ug/l m
 RT: 6.572 min Scan# 788
 Delta R.T. -0.006 min
 Lab File: VN076773.D
 Acq: 22 Feb 2023 16:05

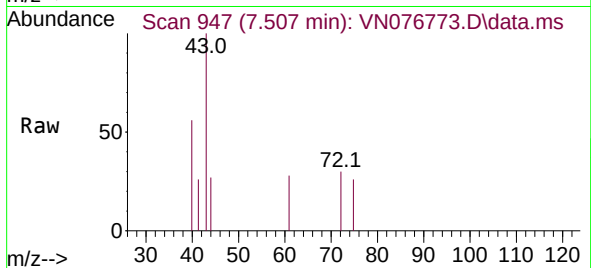
Tgt Ion: 63 Resp: 1075
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.1 12.3#
 100 0.0 2.0 5.8#





#25
2-Butanone
Concen: 1.189 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

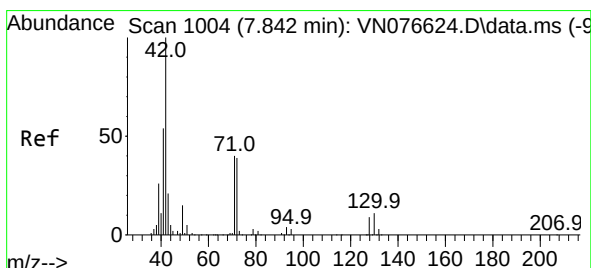
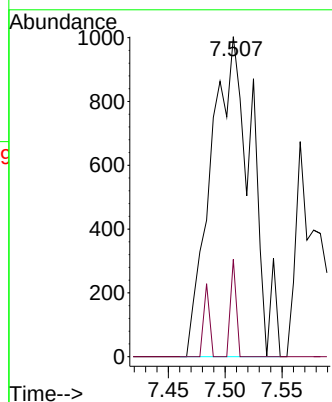
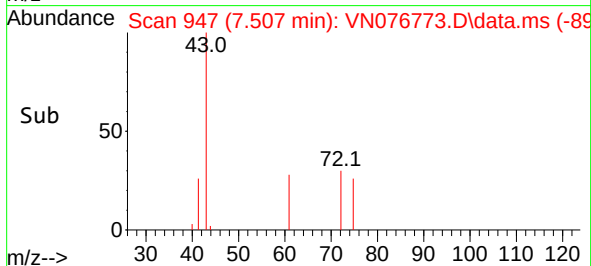
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 43 Resp: 251
Ion Ratio Lower Upper
43 100
72 30.4 19.4 29.2

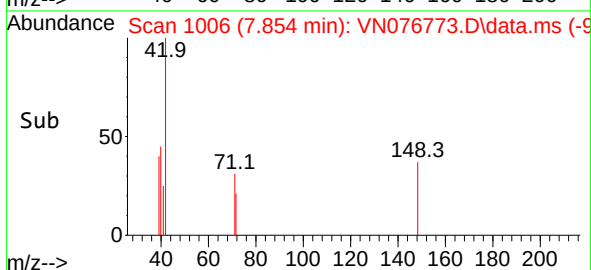
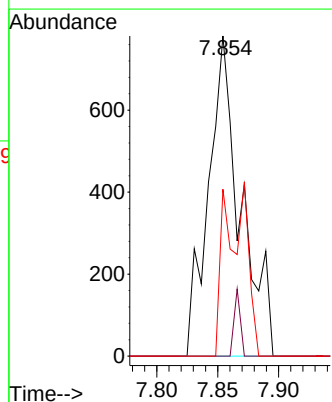
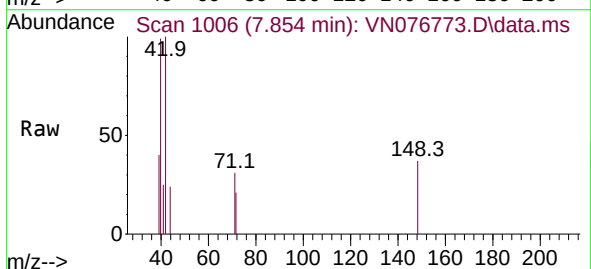
Manual Integrations
APPROVED

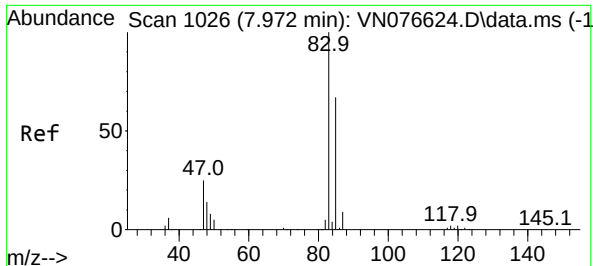
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#29
Tetrahydrofuran
Concen: 1.041 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion: 42 Resp: 1438
Ion Ratio Lower Upper
42 100
72 4.0 31.5 47.3#
71 36.6 29.8 44.8





#30

Chloroform

Concen: 0.226 ug/l

RT: 7.978 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Instrument :

MSVOA_N

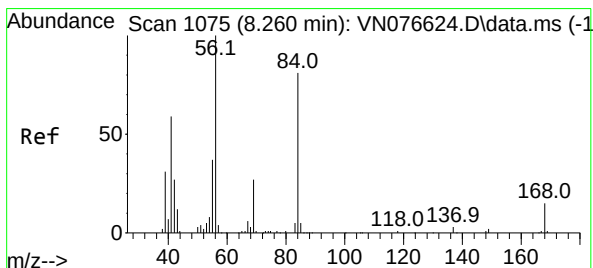
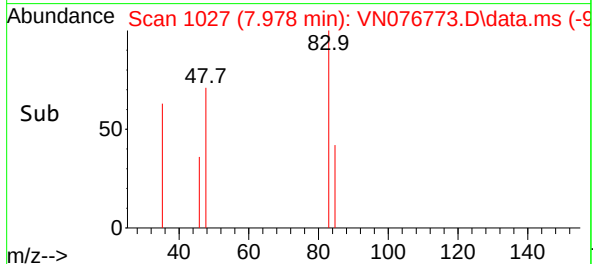
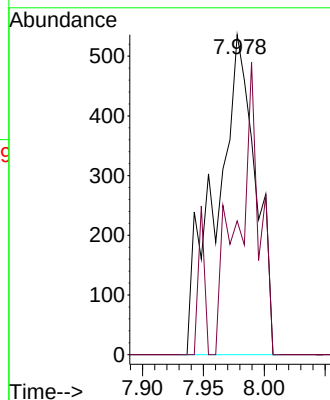
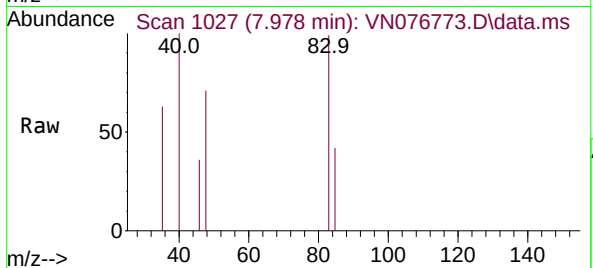
ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 83 Resp: 1209
 Ion Ratio Lower Upper
 83 100
 85 41.8 53.5 80.3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#31

Cyclohexane

Concen: 1.541 ug/l

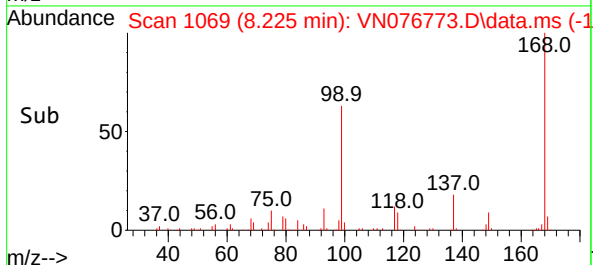
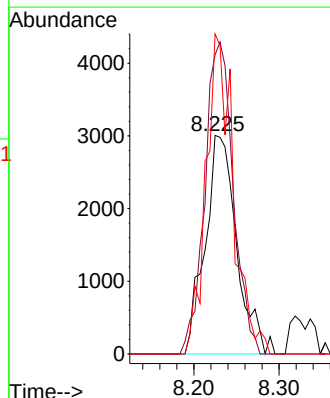
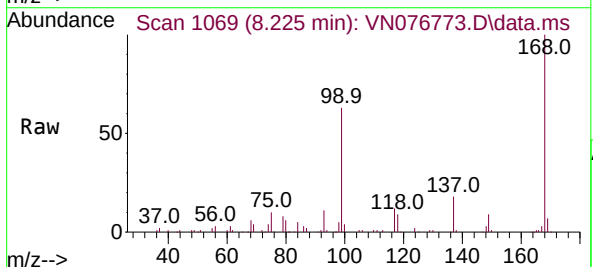
RT: 8.225 min Scan# 1069

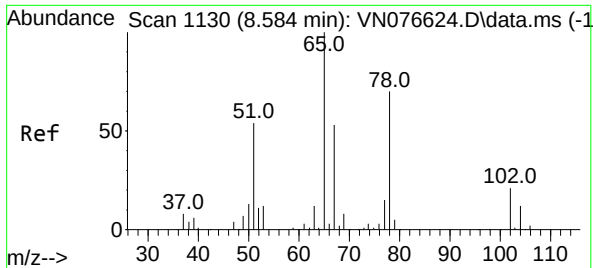
Delta R.T. -0.035 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Tgt Ion: 56 Resp: 7760
 Ion Ratio Lower Upper
 56 100
 69 137.0 21.6 32.4#
 84 146.4 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: 50.765 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 65 Resp: 162940

Ion Ratio Lower Upper

65 100

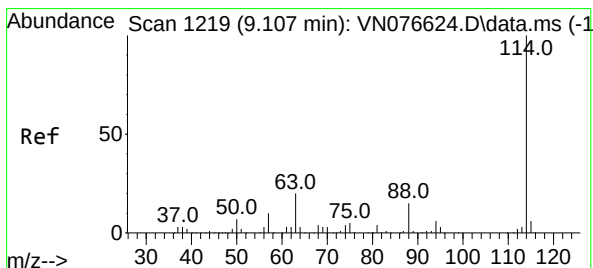
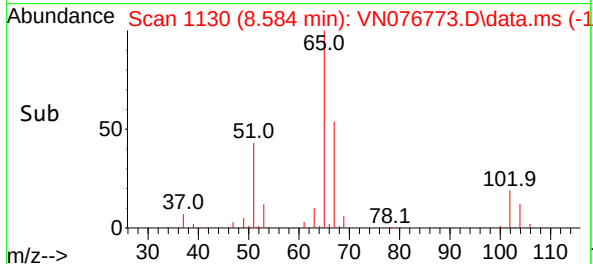
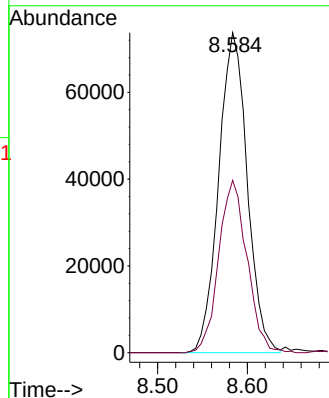
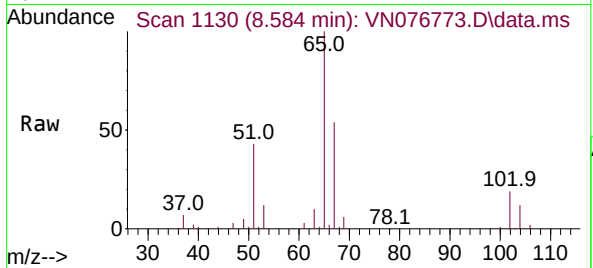
67 53.4 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

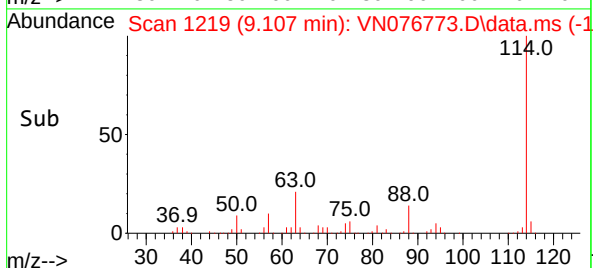
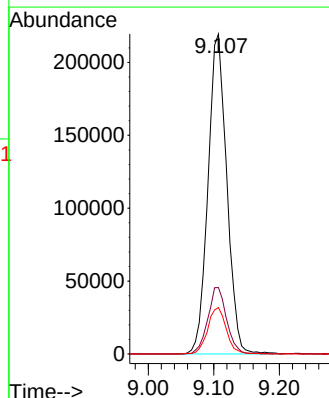
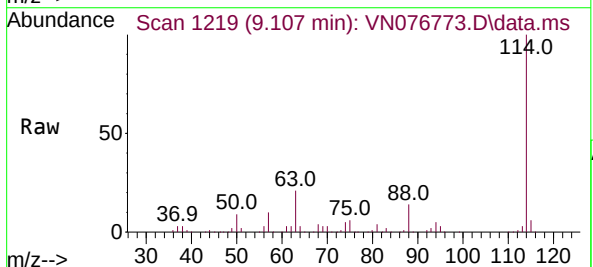
Tgt Ion:114 Resp: 437204

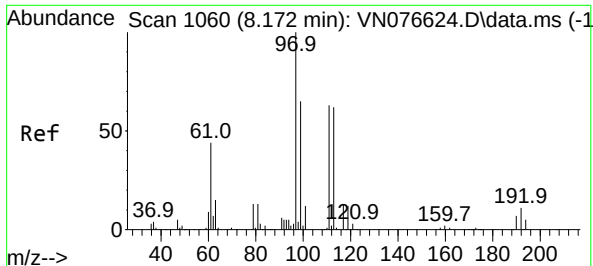
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 42.774 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076773.D

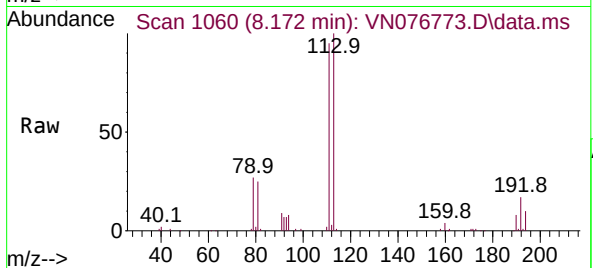
Acq: 22 Feb 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023



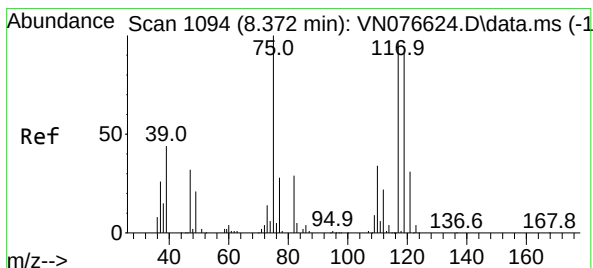
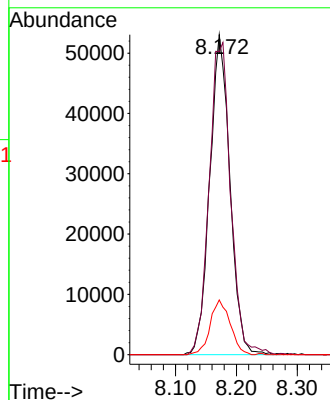
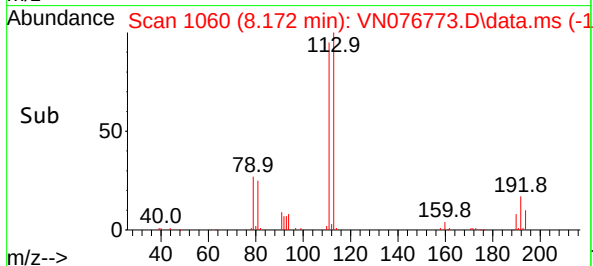
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	16.9	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#36

1,1-Dichloropropene

Concen: 0.241 ug/l

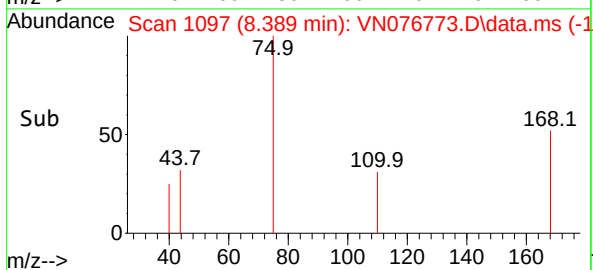
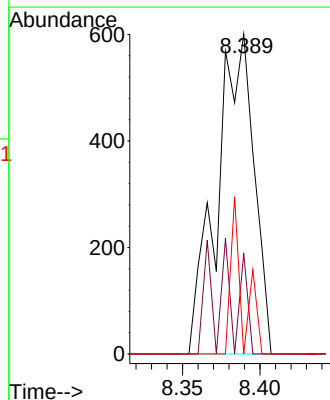
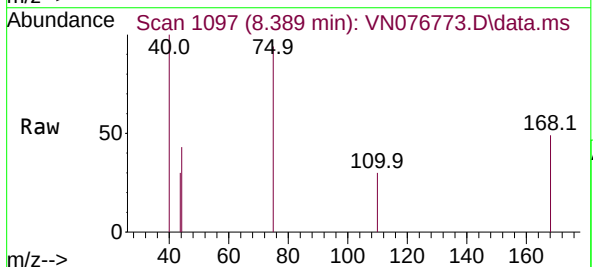
RT: 8.389 min Scan# 1097

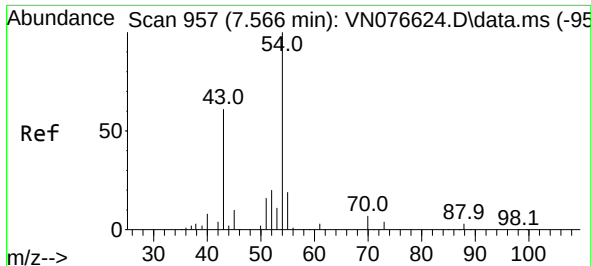
Delta R.T. 0.017 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.5	52.5#
77	16.1	24.5	36.7#





#37

Ethyl Acetate

Concen: 0.246 ug/l

RT: 7.566 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

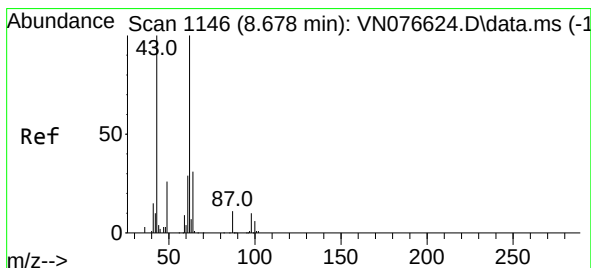
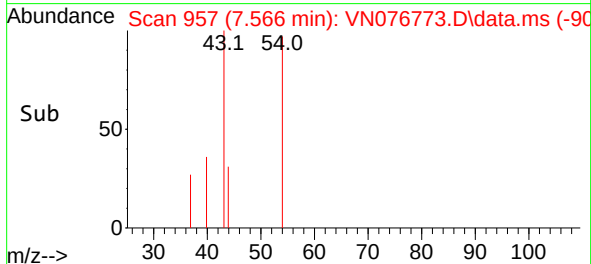
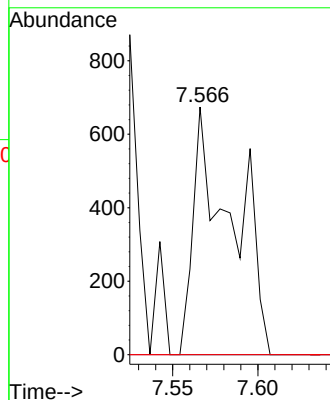
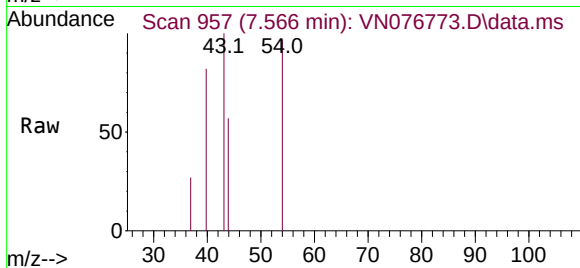
Tgt Ion:	43	Resp:	1069
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9
70	0.0	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#42

1,2-Dichloroethane

Concen: 0.321 ug/l

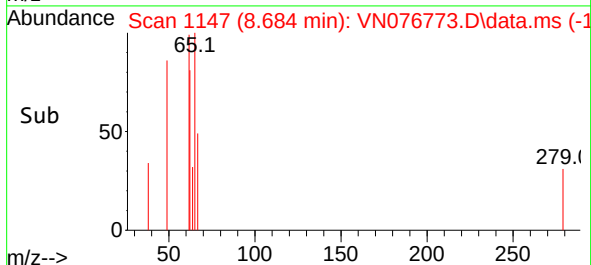
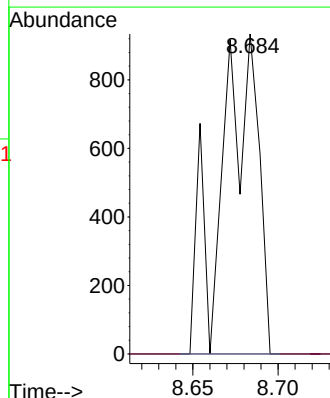
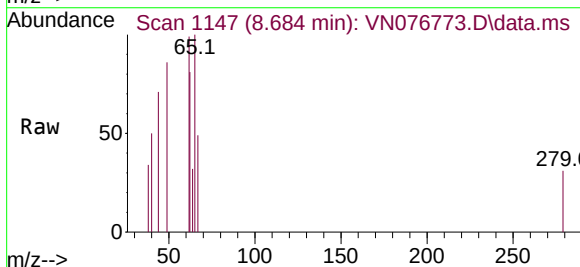
RT: 8.684 min Scan# 1147

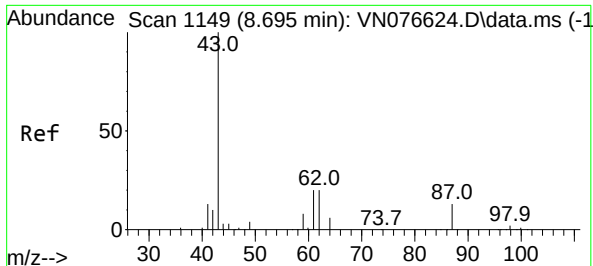
Delta R.T. 0.006 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Tgt Ion:	62	Resp:	1423
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.2





#43

Isopropyl Acetate

Concen: 0.208 ug/l

RT: 8.689 min Scan# 1149

Delta R.T. -0.006 min

Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 1474

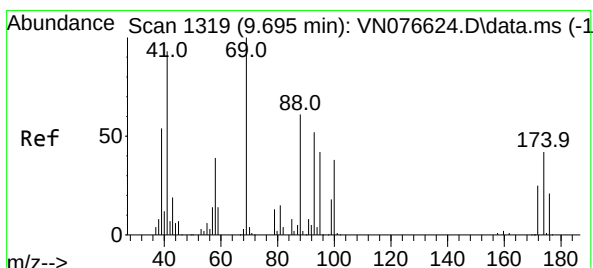
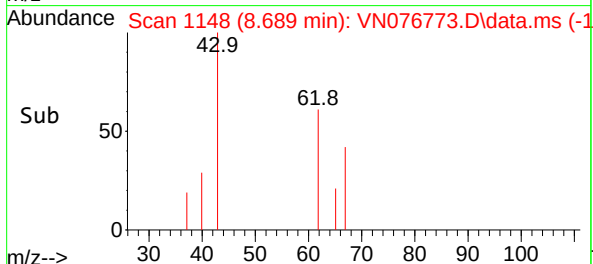
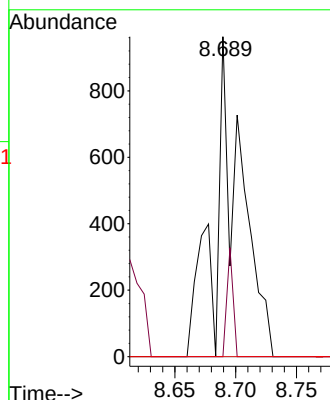
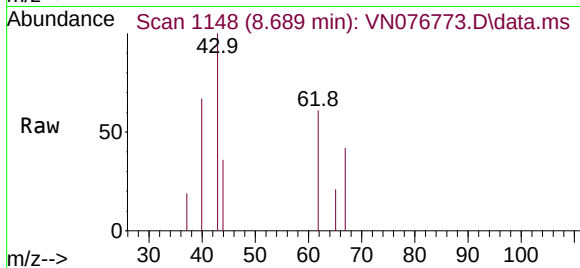
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.0	30.0#
87	0.0	9.9	14.9#

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#49

1,4-Dioxane

Concen: 1.978 ug/l

RT: 9.695 min Scan# 1319

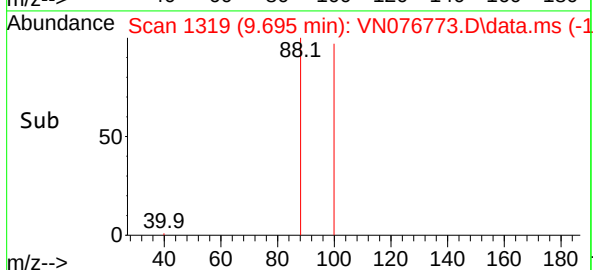
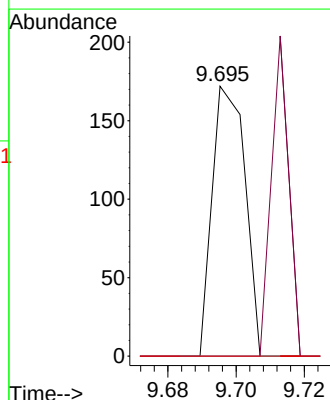
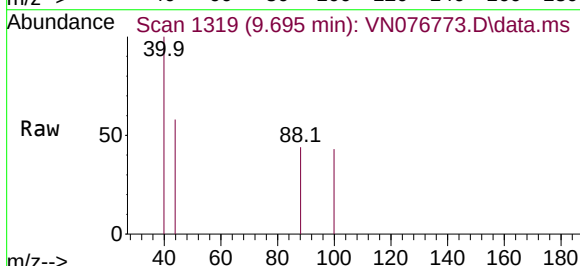
Delta R.T. 0.000 min

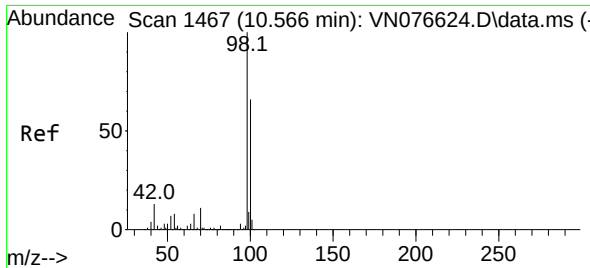
Lab File: VN076773.D

Acq: 22 Feb 2023 16:05

Tgt Ion: 88 Resp: 115

Ion	Ratio	Lower	Upper
88	100		
43	62.6	22.6	33.8#
58	0.0	57.6	86.4#





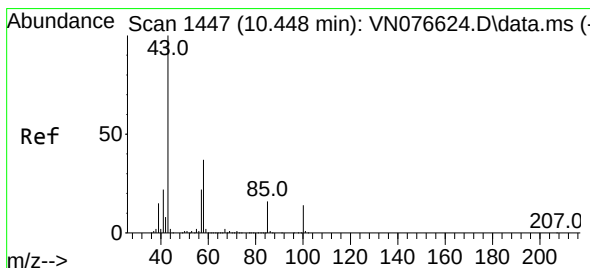
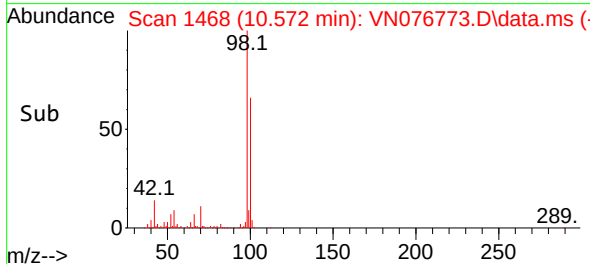
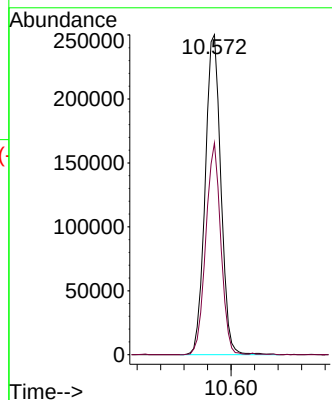
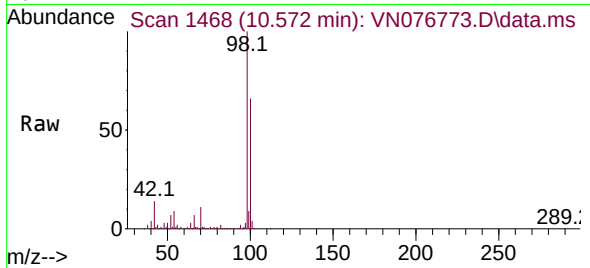
#50
Toluene-d8
Concen: 43.358 ug/l
RT: 10.572 min Scan# 1467
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 98 Resp: 463608
Ion Ratio Lower Upper
98 100
100 63.3 52.9 79.3

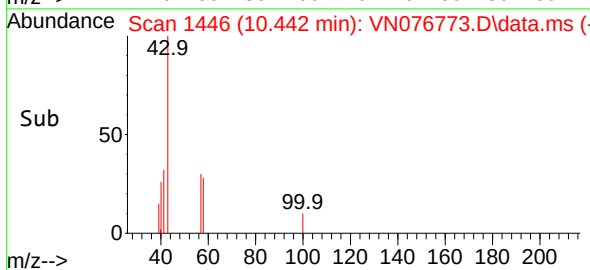
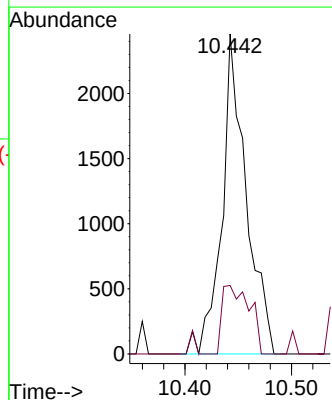
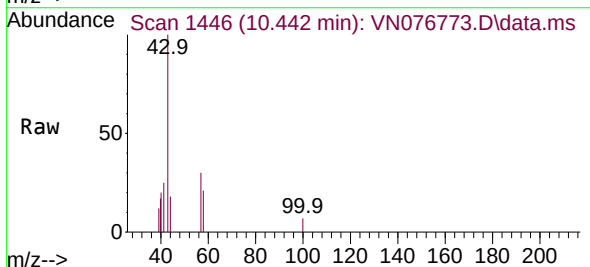
Manual Integrations
APPROVED

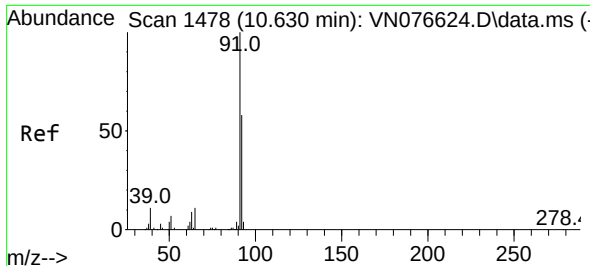
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#51
4-Methyl-2-Pentanone
Concen: 0.860 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

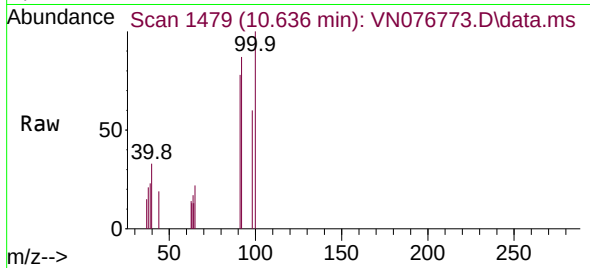
Tgt Ion: 43 Resp: 3875
Ion Ratio Lower Upper
43 100
58 24.3 29.5 44.3#





#52
Toluene
Concen: 0.231 ug/l
RT: 10.636 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

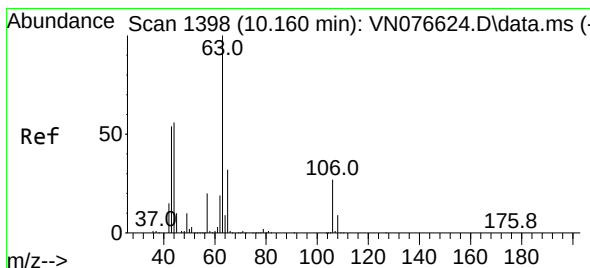
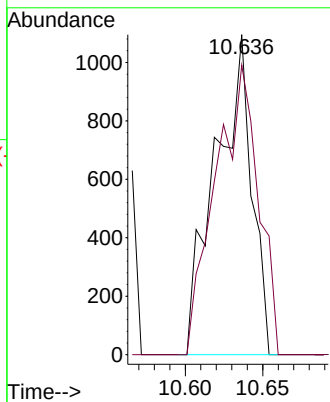
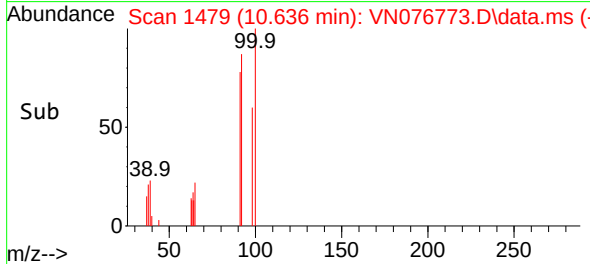
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 92 Resp: 1770
Ion Ratio Lower Upper
92 100
91 106.9 138.0 207.0

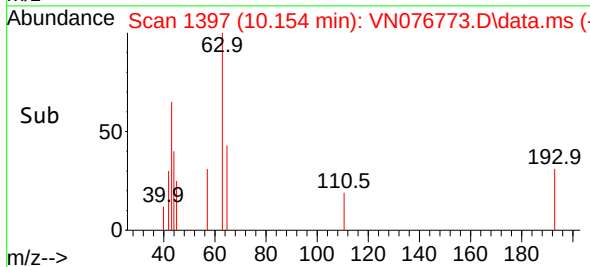
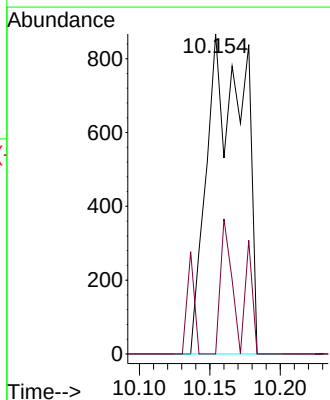
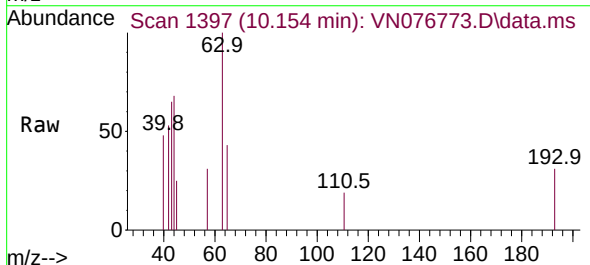
Manual Integrations
APPROVED

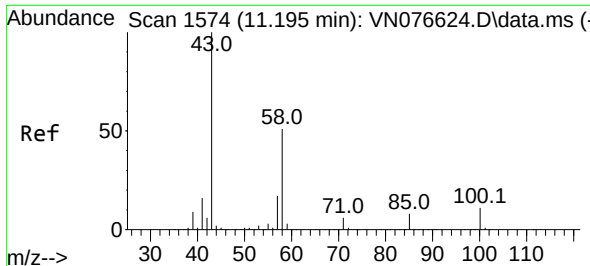
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#58
2-Chloroethyl Vinyl ether
Concen: 0.779 ug/l m
RT: 10.154 min Scan# 1397
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

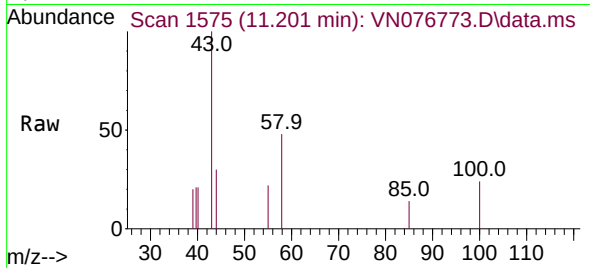
Tgt Ion: 63 Resp: 1567
Ion Ratio Lower Upper
63 100
106 12.8 22.3 33.5





#59
2-Hexanone
Concen: 0.854 ug/l
RT: 11.201 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

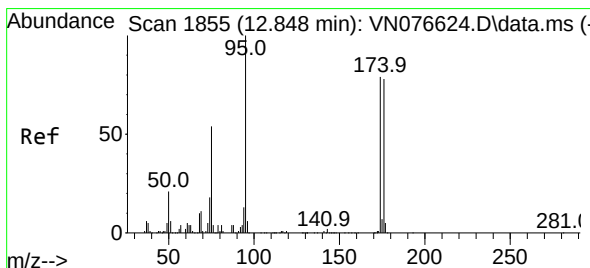
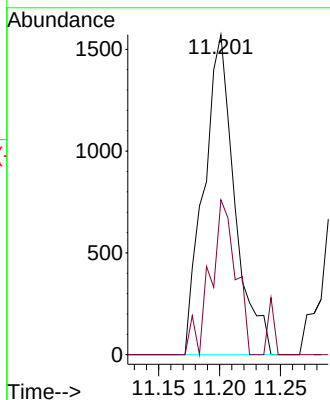
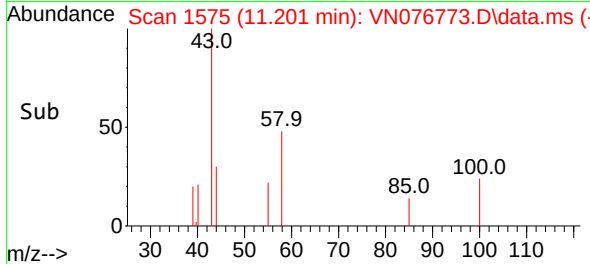
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 43 Resp: 2770
Ion Ratio Lower Upper
43 100
58 39.9 25.4 76.0

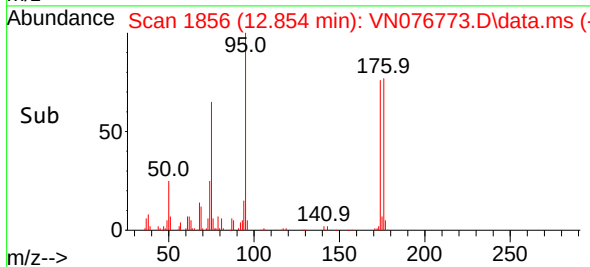
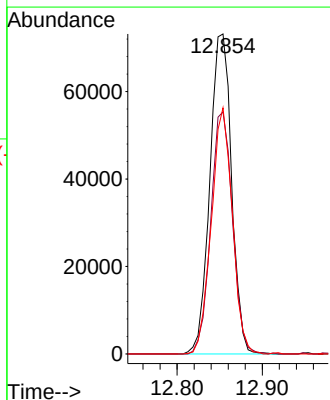
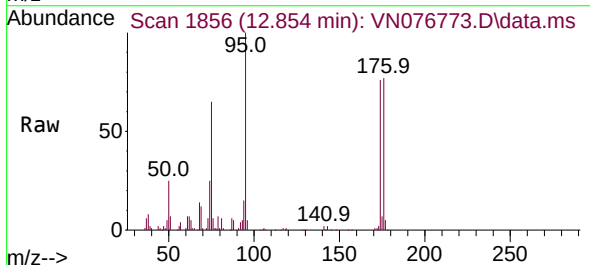
Manual Integrations
APPROVED

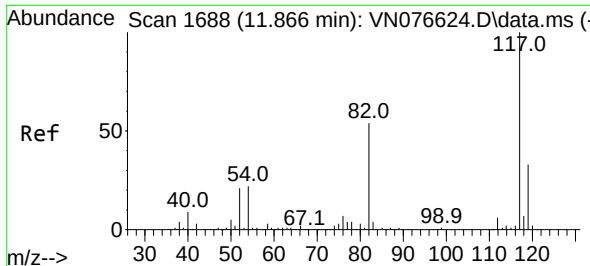
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#62
4-Bromofluorobenzene
Concen: 36.560 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

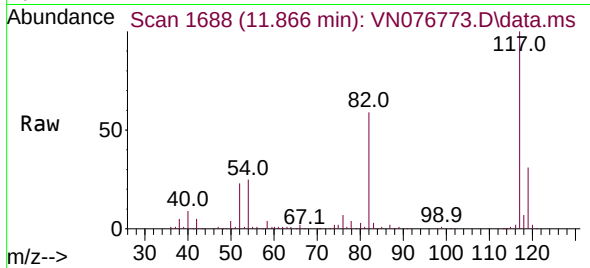
Tgt Ion: 95 Resp: 129474
Ion Ratio Lower Upper
95 100
174 75.9 0.0 169.2
176 74.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

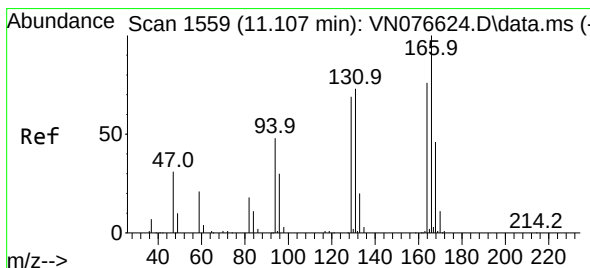
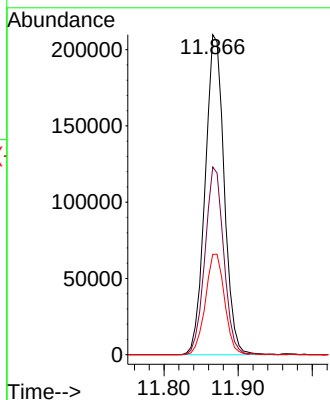
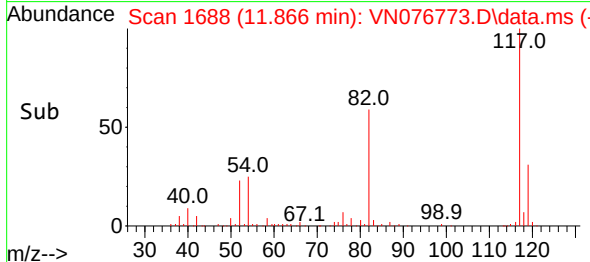
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:117 Resp: 373279
Ion Ratio Lower Upper
117 100
82 58.7 43.4 65.2
119 31.4 26.1 39.1

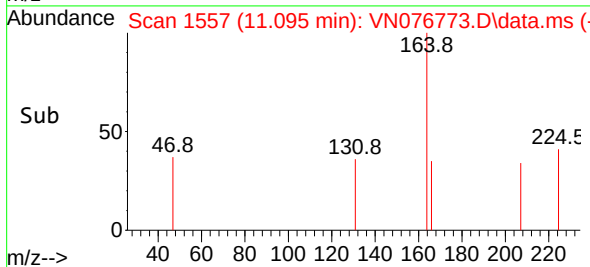
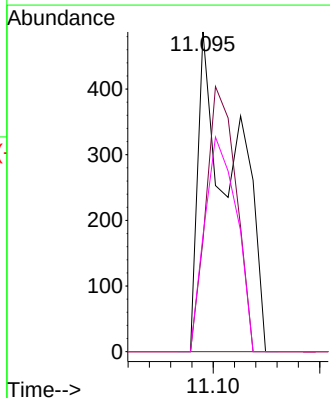
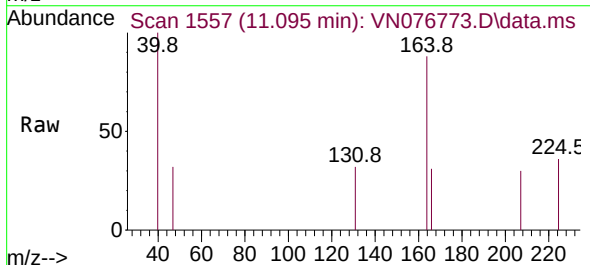
Manual Integrations
APPROVED

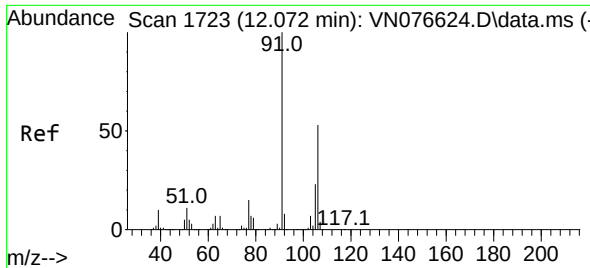
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#64
Tetrachloroethene
Concen: 0.239 ug/l
RT: 11.095 min Scan# 1557
Delta R.T. -0.012 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

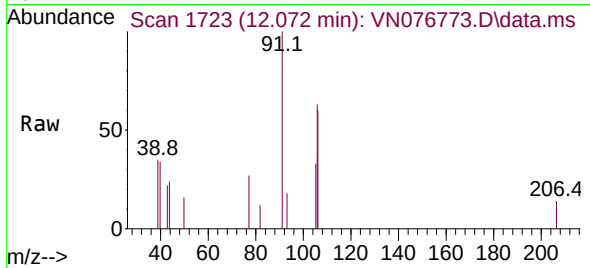
Tgt Ion:164 Resp: 563
Ion Ratio Lower Upper
164 100
166 34.9 104.8 157.2#
129 0.0 72.2 108.2#
131 36.3 76.3 114.5#





#68
m/p-Xylenes
Concen: 0.335 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

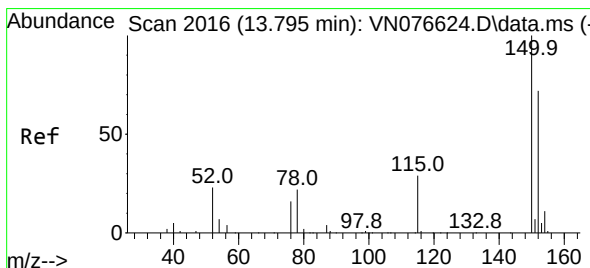
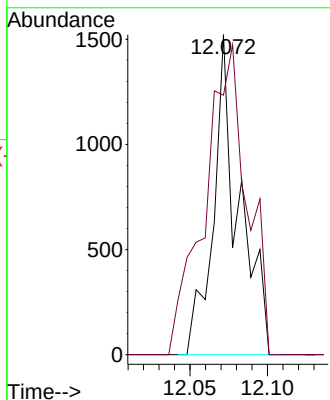
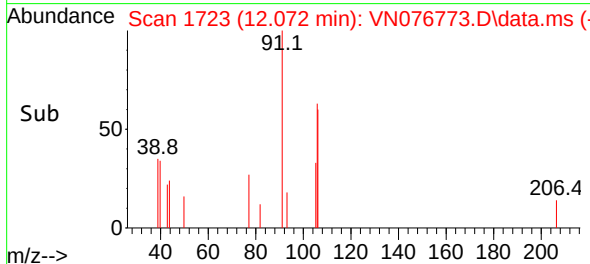
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



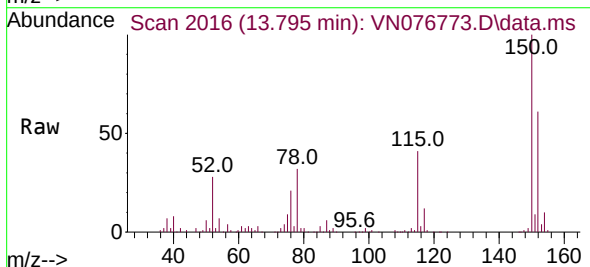
Tgt Ion:106 Resp: 1740
Ion Ratio Lower Upper
106 100
91 160.5 154.7 232.1

Manual Integrations
APPROVED

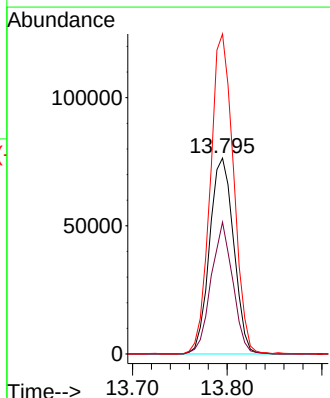
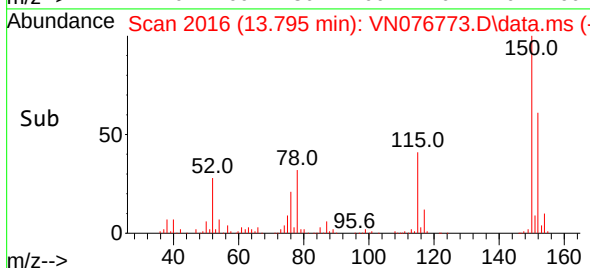
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

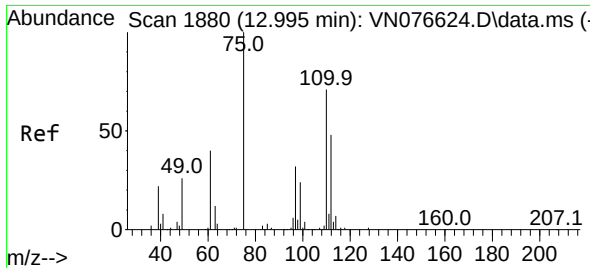


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05



Tgt Ion:152 Resp: 134987
Ion Ratio Lower Upper
152 100
115 60.7 29.3 87.9
150 158.0 0.0 349.8





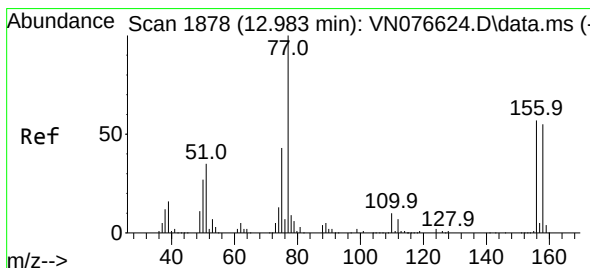
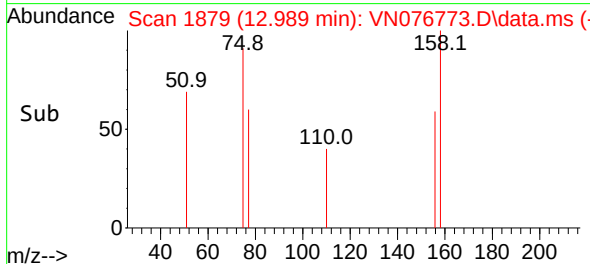
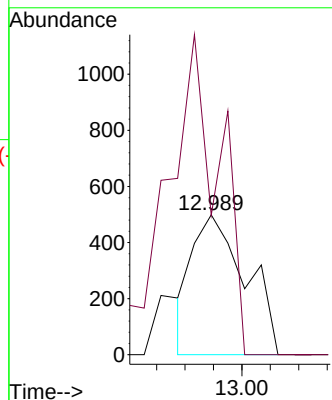
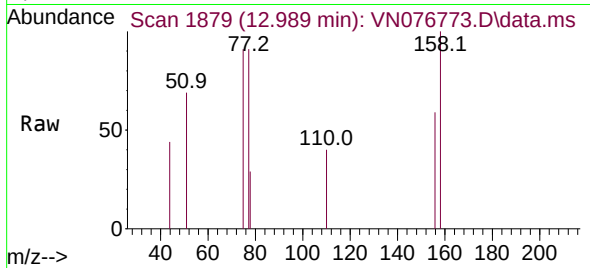
#76
1,2,3-Trichloropropane
Concen: 0.239 ug/l m
RT: 12.989 min Scan# 1879
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 75 Resp: 652
Ion Ratio Lower Upper
75 100
77 141.6 93.1 279.3

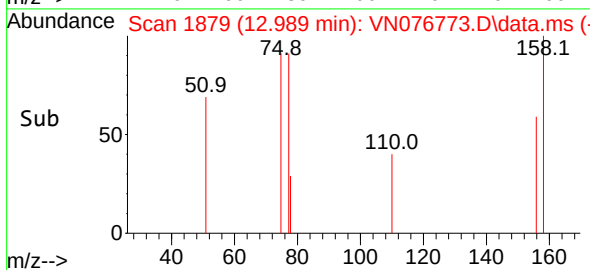
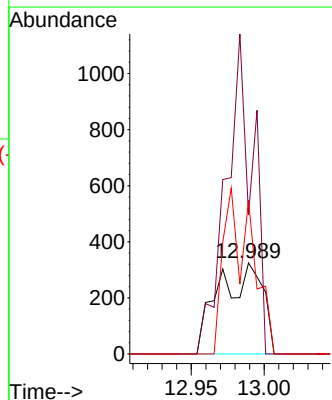
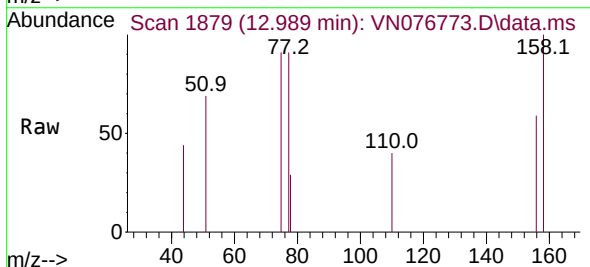
Manual Integrations
APPROVED

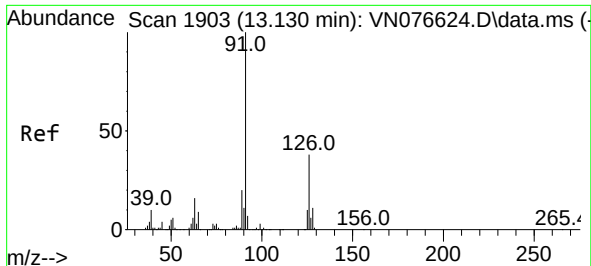
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#77
Bromobenzene
Concen: 0.271 ug/l m
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion:156 Resp: 670
Ion Ratio Lower Upper
156 100
77 216.1 102.8 308.4
158 119.1 48.9 146.6





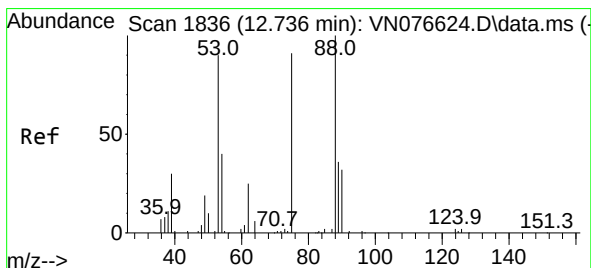
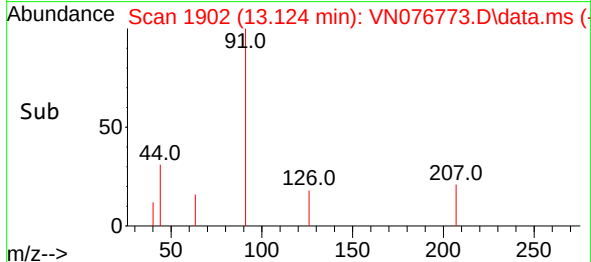
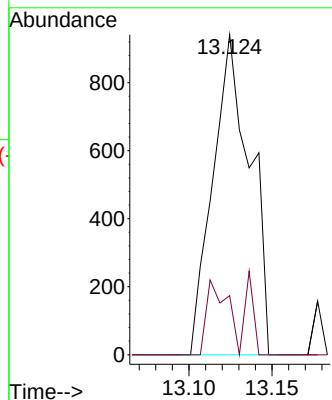
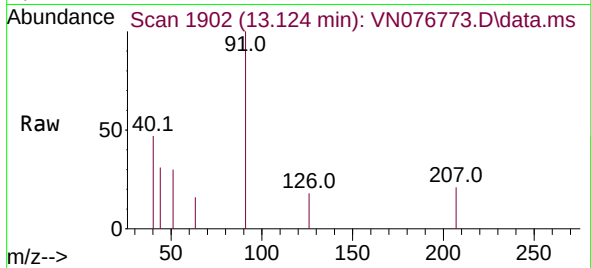
#79
2-Chlorotoluene
Concen: 0.206 ug/l m
RT: 13.124 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 91 Resp: 146
Ion Ratio Lower Upper
91 100
126 45.5 17.7 53.1

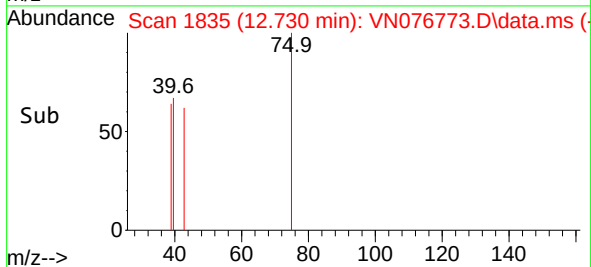
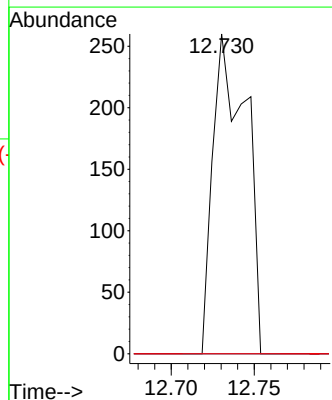
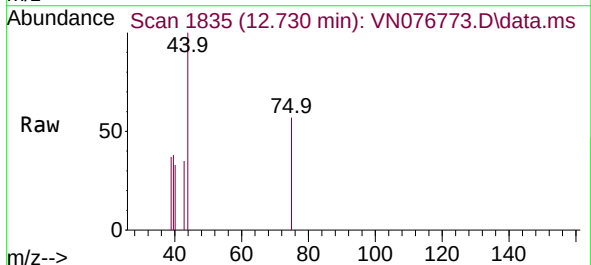
Manual Integrations
APPROVED

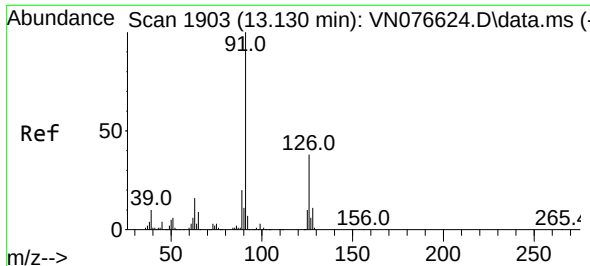
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#81
trans-1,4-Dichloro-2-butene
Concen: 0.383 ug/l m
RT: 12.730 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Tgt Ion: 75 Resp: 359
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.0 37.5 56.3#





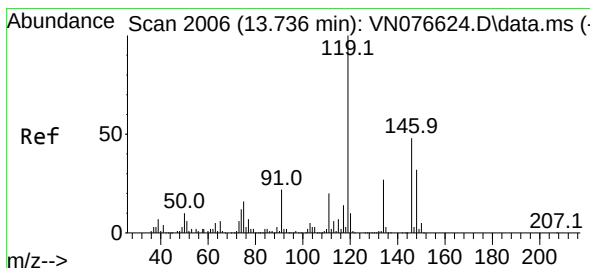
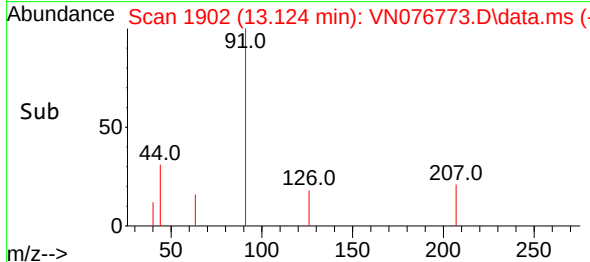
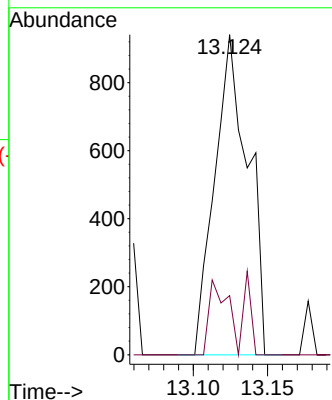
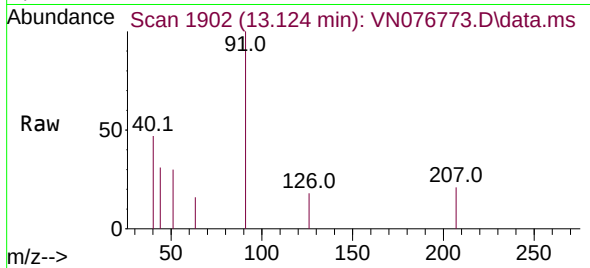
#82
4-Chlorotoluene
Concen: 0.206 ug/l m
RT: 13.124 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 91 Resp: 146
Ion Ratio Lower Upper
91 100
126 45.5 17.7 53.1

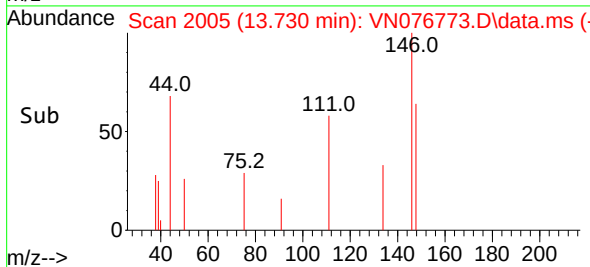
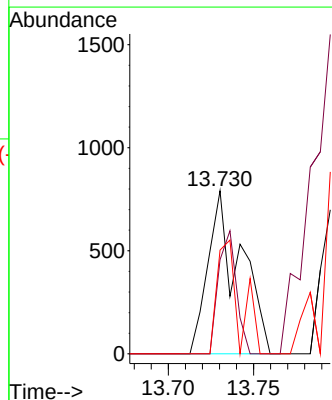
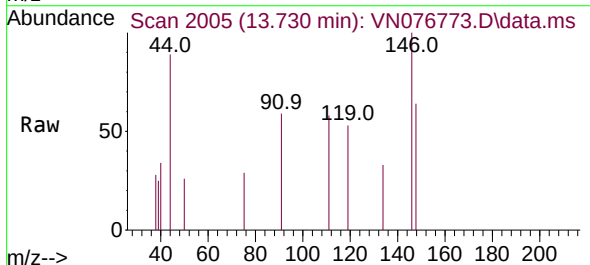
Manual Integrations
APPROVED

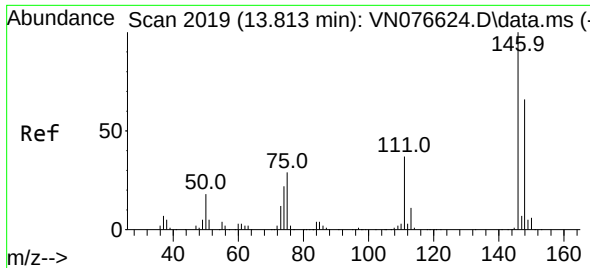
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#87
1,3-Dichlorobenzene
Concen: 0.225 ug/l
RT: 13.730 min Scan# 2005
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

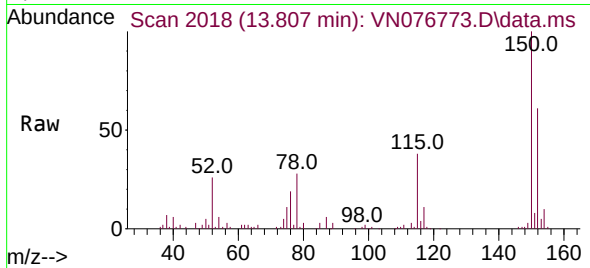
Tgt Ion:146 Resp: 1048
Ion Ratio Lower Upper
146 100
111 41.4 19.8 59.4
148 47.8 32.0 96.2





#88
1,4-Dichlorobenzene
Concen: 0.375 ug/l m
RT: 13.807 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

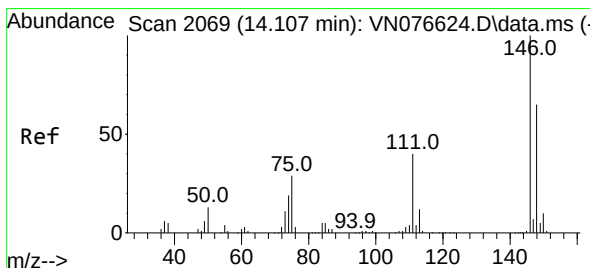
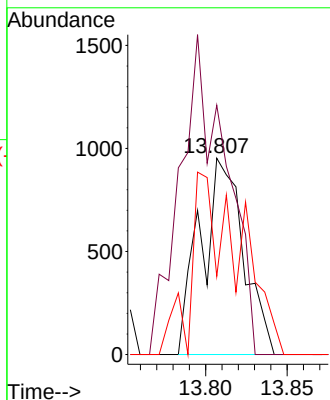
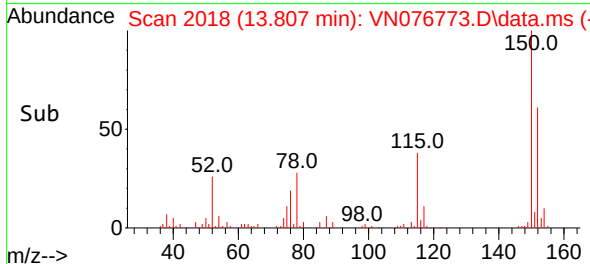
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



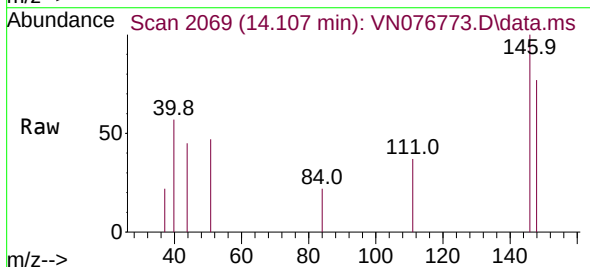
Tgt Ion:146 Resp: 174
Ion Ratio Lower Upper
146 100
111 24.9 19.4 58.1
148 28.8 32.7 98.1

Manual Integrations
APPROVED

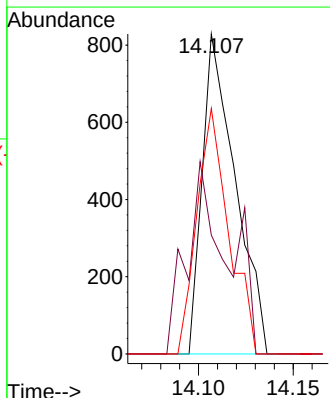
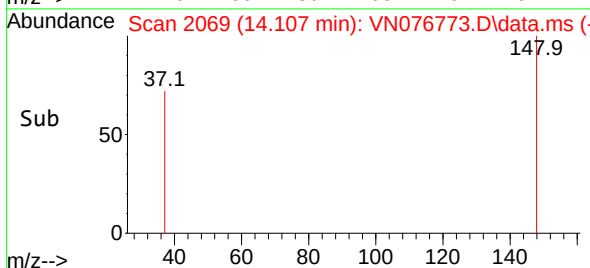
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

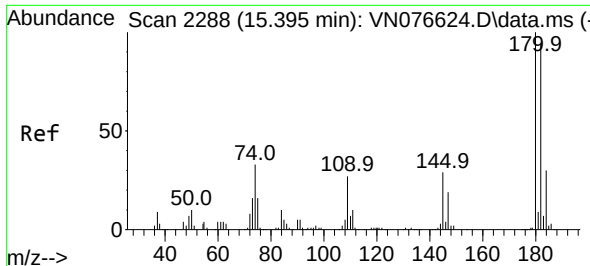


#91
1,2-Dichlorobenzene
Concen: 0.210 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05



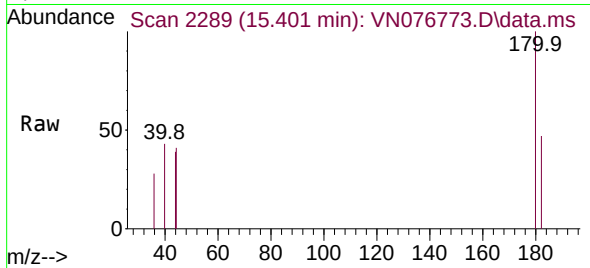
Tgt Ion:146 Resp: 1004
Ion Ratio Lower Upper
146 100
111 73.5 20.0 59.9#
148 73.9 32.4 97.2





#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.401 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05

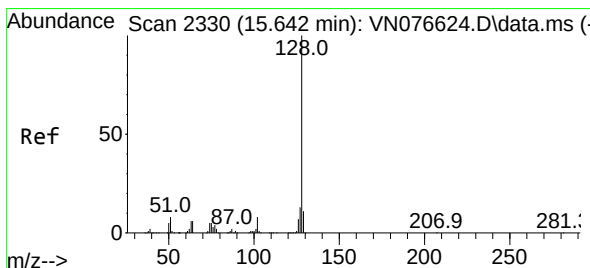
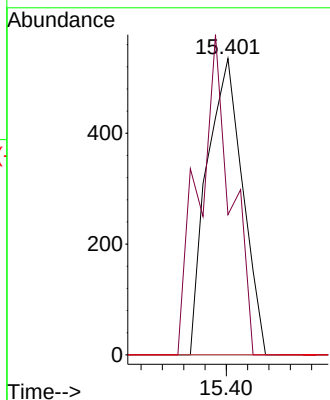
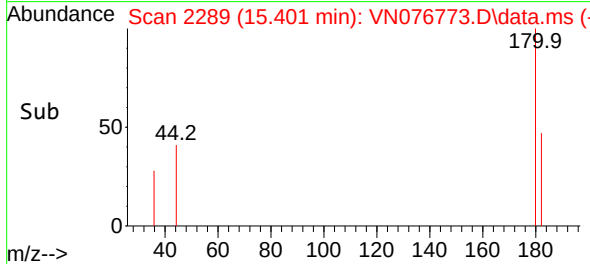
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



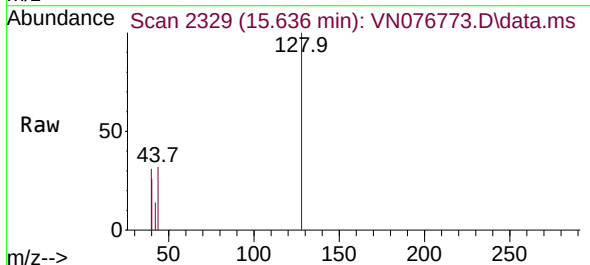
Tgt Ion:180 Resp: 620
Ion Ratio Lower Upper
180 100
182 97.6 48.0 144.0
145 0.0 15.2 45.6

Manual Integrations
APPROVED

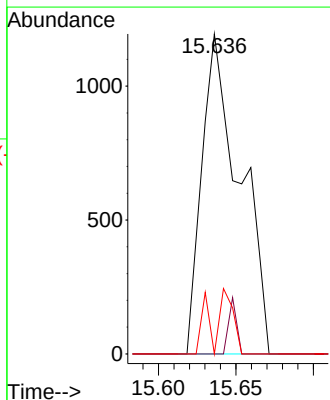
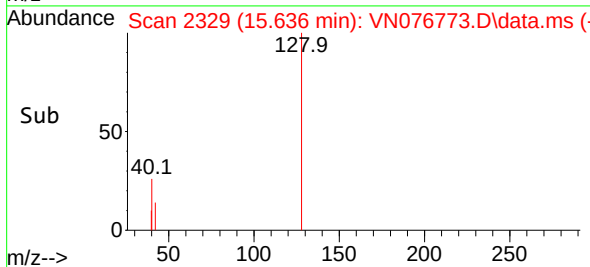
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

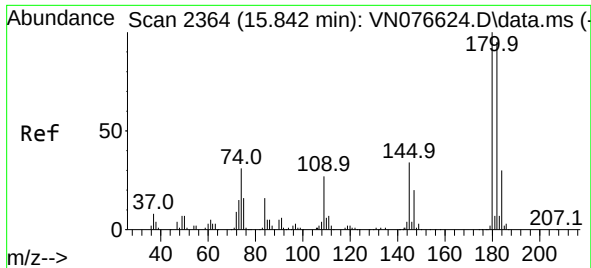


#95
Naphthalene
Concen: 0.280 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN076773.D
Acq: 22 Feb 2023 16:05



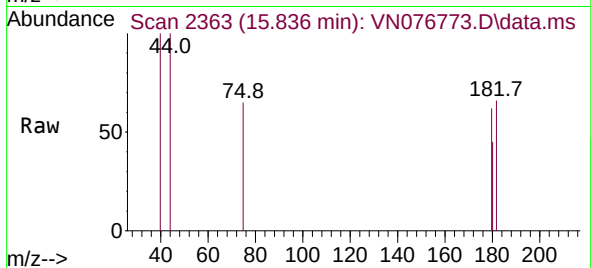
Tgt Ion:128 Resp: 2030
Ion Ratio Lower Upper
128 100
127 3.6 10.6 16.0#
129 11.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076773.D
 Acq: 22 Feb 2023 16:05

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion:180 Resp: 57
 Ion Ratio Lower Upper
 180 100
 182 61.8 46.7 140.1
 145 0.0 16.0 47.9

Manual Integrations
 APPROVED

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 Supervised By :Mahesh Dadoda 02/23/2023

