

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076753.D
 Acq On : 21 Feb 2023 16:25
 Operator : JC\MD
 Sample : 01627-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2023

Quant Time: Feb 22 04:12:29 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 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	211787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	389303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	336932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	133914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	219081	74.913	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 149.820%#			
35) Dibromofluoromethane	8.172	113	164988	64.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 129.420%#			
50) Toluene-d8	10.571	98	613115	64.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 128.800%#			
62) 4-Bromofluorobenzene	12.854	95	174513	55.341	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	1045	0.356	ug/l #	79
4) Vinyl Chloride	2.531	62	581	0.201	ug/l #	45
5) Bromomethane	2.966	94	759	0.434	ug/l #	63
11) Tert butyl alcohol	5.519	59	111	0.288	ug/l #	71
13) Acrolein	4.195	56	1066m	1.839	ug/l	
15) Acrylonitrile	5.760	53	840m	0.613	ug/l	
16) Acetone	4.442	43	1475	1.129	ug/l #	42
18) Methyl Acetate	5.072	43	1167	0.274	ug/l #	54
20) Methylene Chloride	5.289	84	1746	0.638	ug/l #	44
21) trans-1,2-Dichloroethene	5.807	96	517	0.210	ug/l #	12
23) Vinyl Acetate	6.625	43	4425	0.842	ug/l #	73
24) 1,1-Dichloroethane	6.589	63	1032	0.212	ug/l #	81
25) 2-Butanone	7.501	43	1479	0.768	ug/l #	82
28) Bromochloromethane	7.830	49	665	0.287	ug/l #	59
29) Tetrahydrofuran	7.836	42	537	0.427	ug/l #	45
30) Chloroform	7.983	83	1072m	0.220	ug/l	
31) Cyclohexane	8.230	56	7560	1.648	ug/l #	57
38) Carbon Tetrachloride	8.372	117	985	0.265	ug/l #	38
40) Benzene	8.613	78	2540	0.225	ug/l #	77
42) 1,2-Dichloroethane	8.672	62	923	0.234	ug/l	100
44) Trichloroethene	9.348	130	648	0.242	ug/l	55
48) Methyl methacrylate	9.683	41	763	0.255	ug/l #	44
49) 1,4-Dioxane	9.672	88	64	1.236	ug/l #	23
51) 4-Methyl-2-Pentanone	10.442	43	3850	0.960	ug/l #	80
58) 2-Chloroethyl Vinyl ether	10.166	63	1756	0.981	ug/l #	68
59) 2-Hexanone	11.195	43	2518	0.870	ug/l	82
64) Tetrachloroethene	11.113	164	480	0.226	ug/l #	38
68) m/p-Xylenes	12.066	106	1683	0.359	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.936	83	797	0.224	ug/l #	90
76) 1,2,3-Trichloropropane	13.007	75	1108m	0.409	ug/l	
77) Bromobenzene	12.983	156	491	0.200	ug/l	49
78) n-propylbenzene	13.042	91	2900	0.252	ug/l	84
87) 1,3-Dichlorobenzene	13.724	146	957	0.207	ug/l	83
88) 1,4-Dichlorobenzene	13.818	146	1644m	0.357	ug/l	
89) n-Butylbenzene	14.065	91	1509	0.212	ug/l #	76
95) Naphthalene	15.642	128	2161	0.301	ug/l #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.848	180	645	0.281	ug/l #	68

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

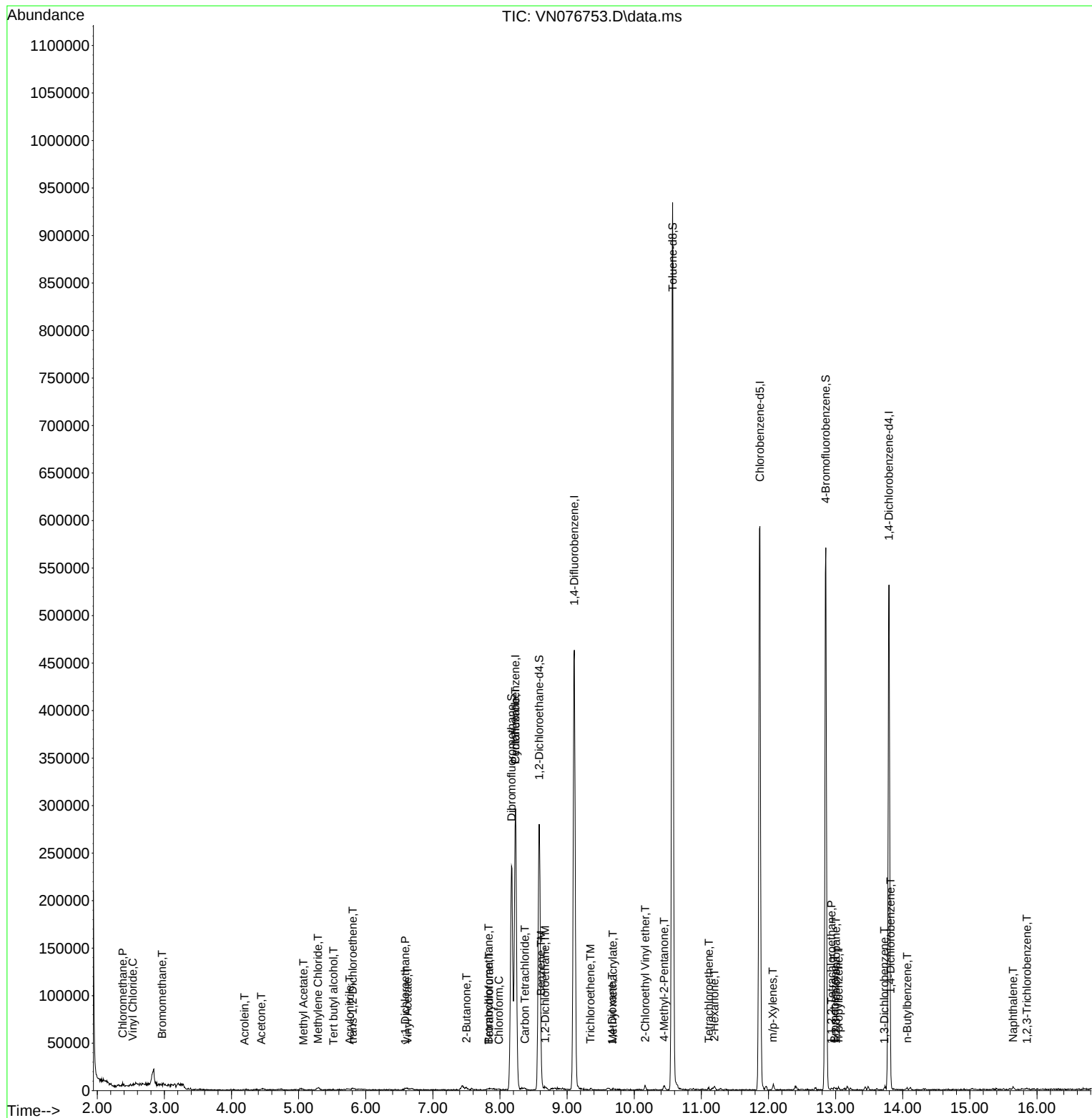
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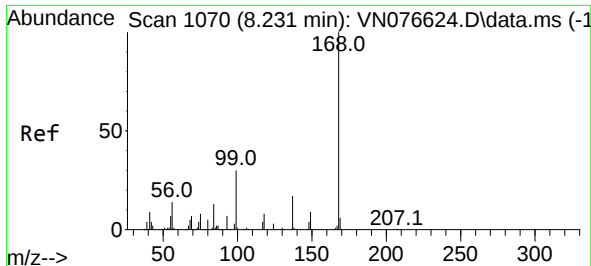
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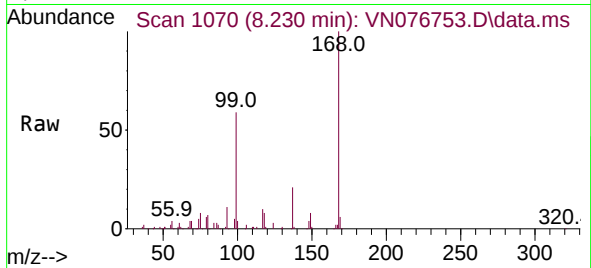
Reviewed By :John Carlone 02/22/2023
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

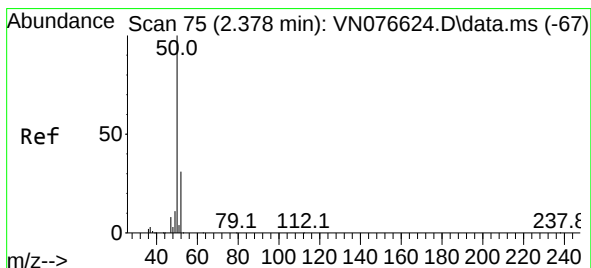
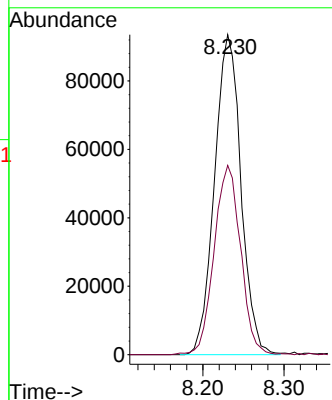
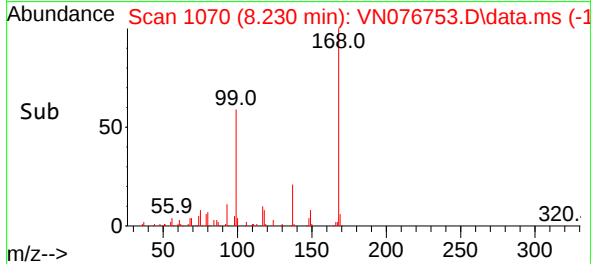
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Tgt Ion:168 Resp: 21178
Ion Ratio Lower Upper
168 100
99 58.9 44.8 67.2

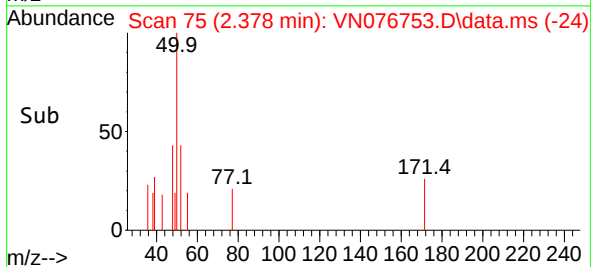
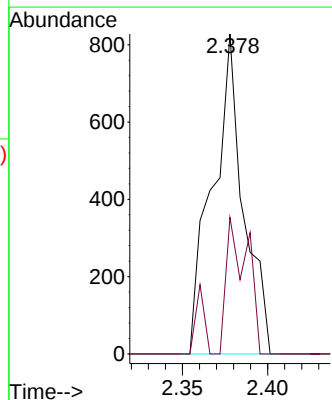
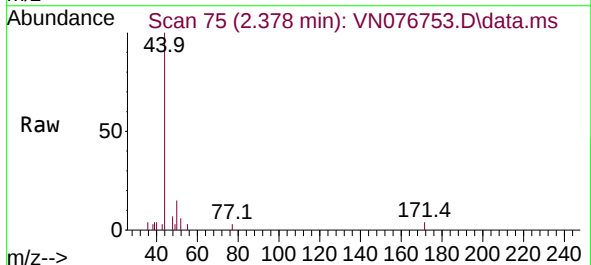
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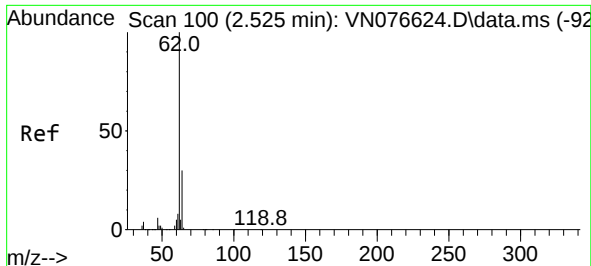
Reviewed By :John Carlone 02/22/2023
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#3
Chloromethane
Concen: 0.356 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 42.6 24.7 37.1#





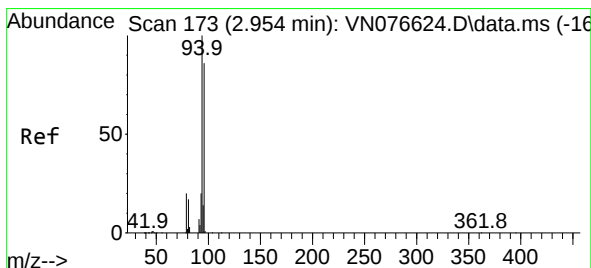
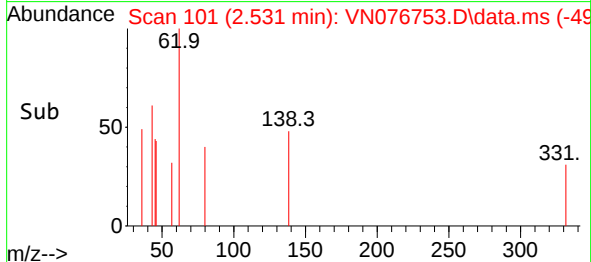
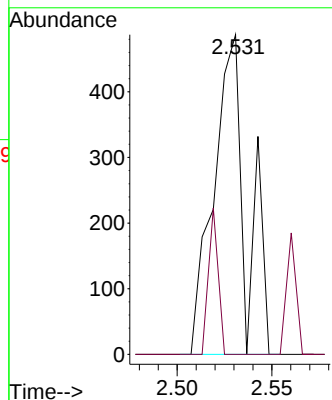
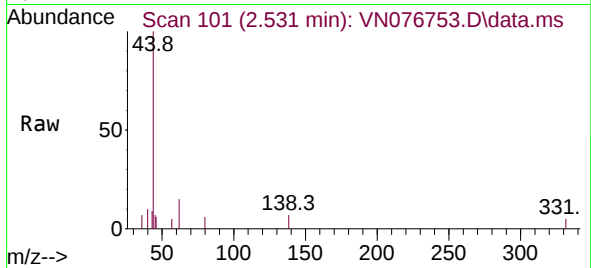
#4
 Vinyl Chloride
 Concen: 0.201 ug/l
 RT: 2.531 min Scan# 100
 Delta R.T. 0.006 min
 Lab File: VN076753.D
 Acq: 21 Feb 2023 16:25

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 LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 62 Resp: 583
 Ion Ratio Lower Upper
 62 100
 64 0.0 23.9 35.9

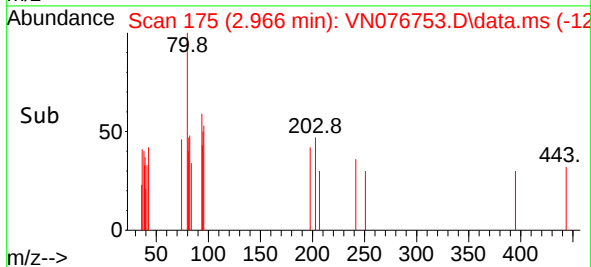
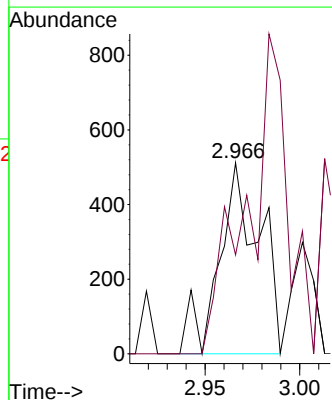
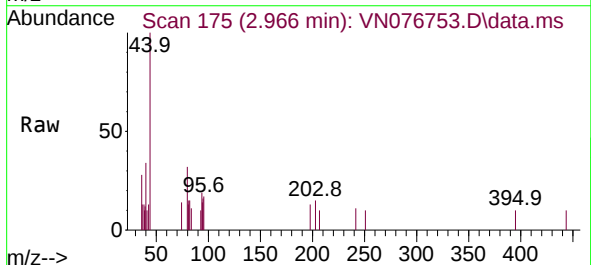
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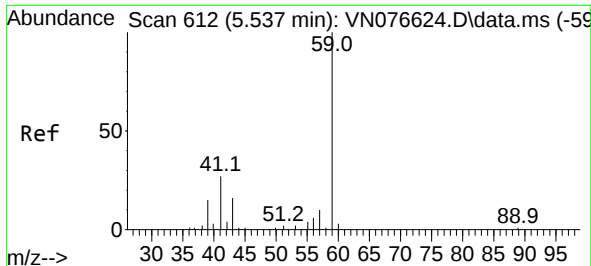
Reviewed By :John Carlone 02/22/2023
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#5
 Bromomethane
 Concen: 0.434 ug/l
 RT: 2.966 min Scan# 175
 Delta R.T. 0.012 min
 Lab File: VN076753.D
 Acq: 21 Feb 2023 16:25

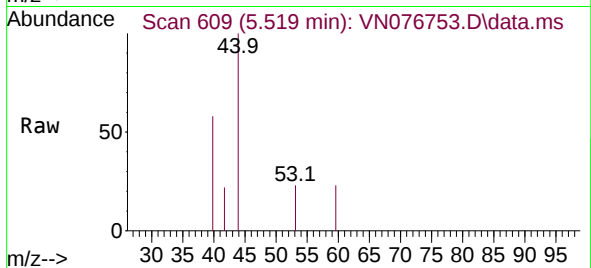
Tgt Ion: 94 Resp: 759
 Ion Ratio Lower Upper
 94 100
 96 51.8 69.0 103.4





#11
Tert butyl alcohol
Concen: 0.288 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

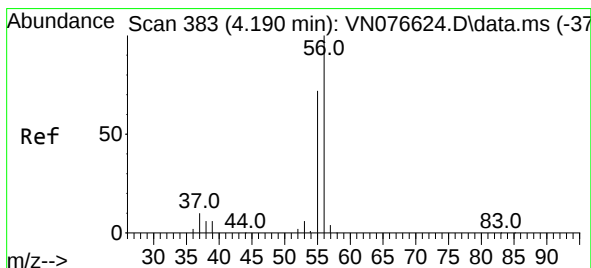
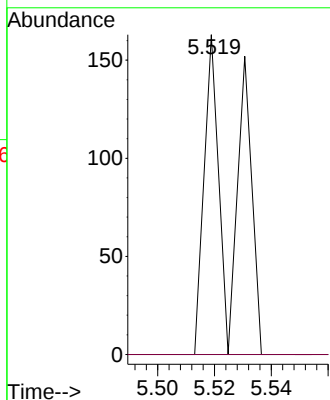
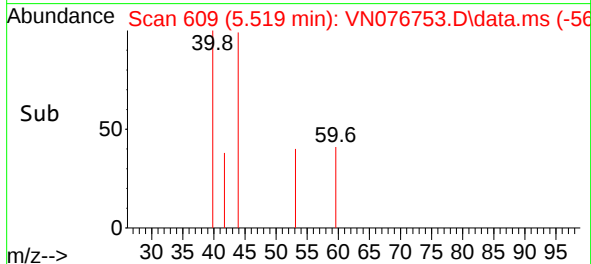
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



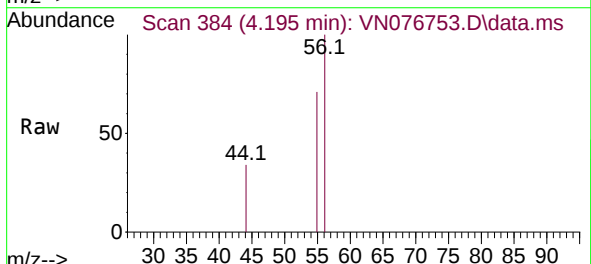
Tgt Ion: 59 Resp: 111
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

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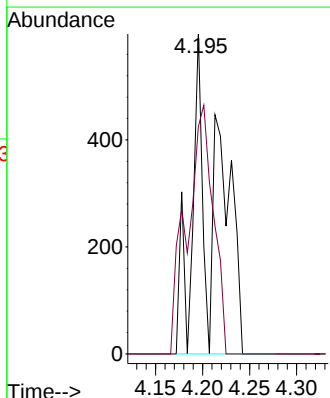
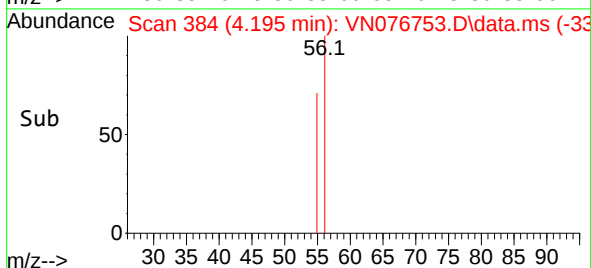
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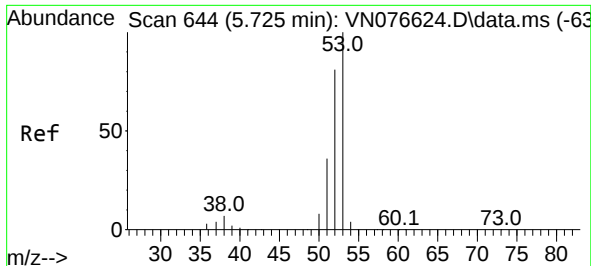


#13
Acrolein
Concen: 1.839 ug/l m
RT: 4.195 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25



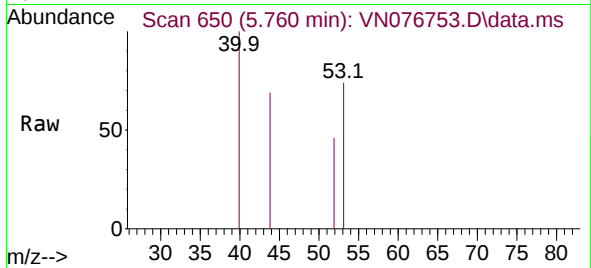
Tgt Ion: 56 Resp: 1066
Ion Ratio Lower Upper
56 100
55 85.0 56.3 84.5





#15
Acrylonitrile
Concen: 0.613 ug/l m
RT: 5.760 min Scan# 644
Delta R.T. 0.035 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

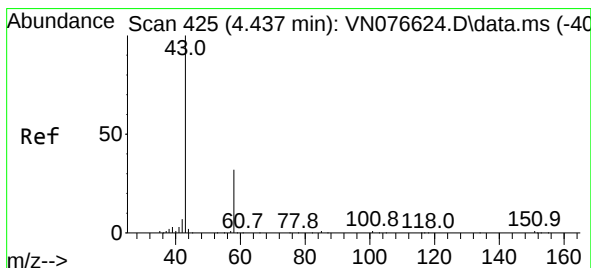
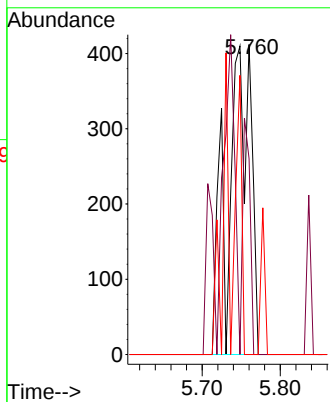
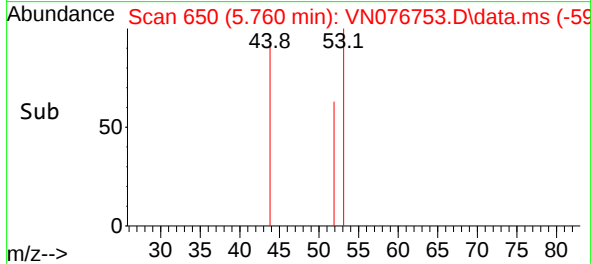
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Tgt Ion: 53 Resp: 840
Ion Ratio Lower Upper
53 100
52 50.0 65.3 97.9
51 24.4 29.2 43.8

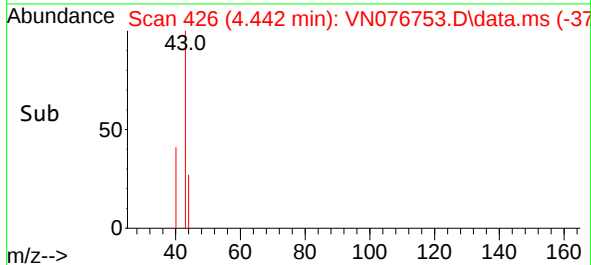
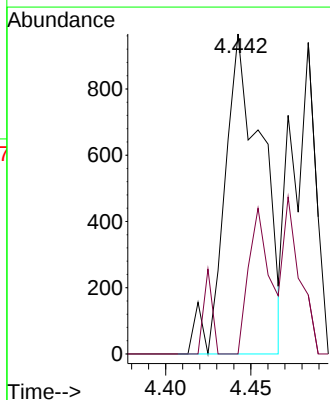
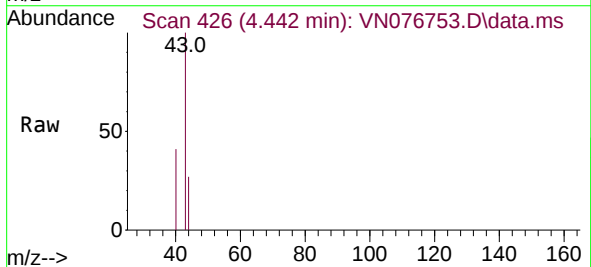
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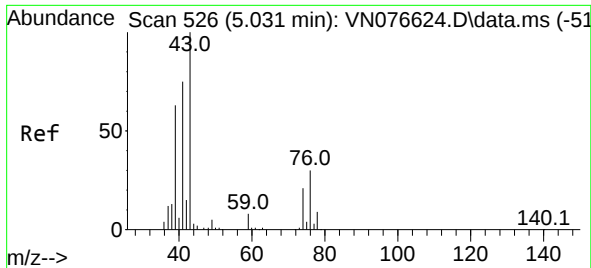
Reviewed By :John Carlone 02/22/2023
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#16
Acetone
Concen: 1.129 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9





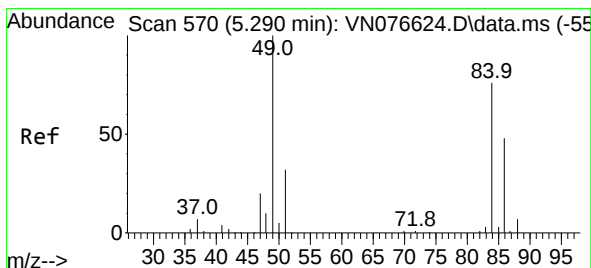
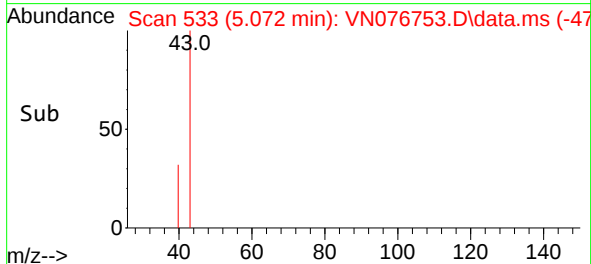
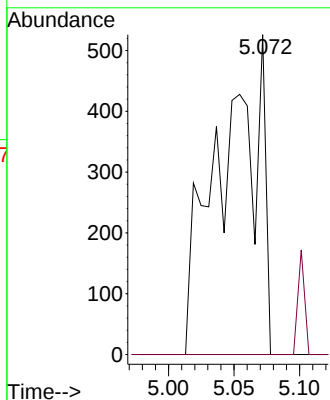
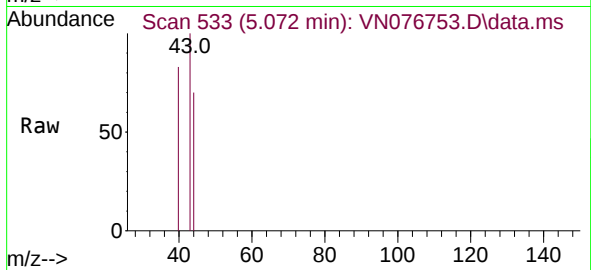
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Methyl Acetate
Concen: 0.274 ug/l
RT: 5.072 min Scan# 51
Delta R.T. 0.041 min
Lab File: VN076753.D
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Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5

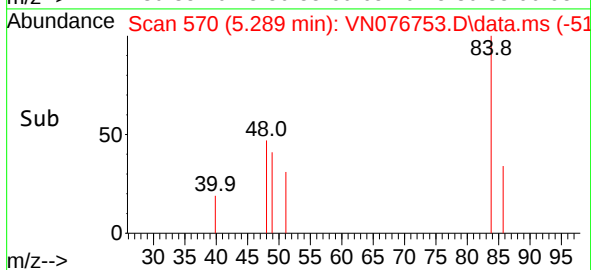
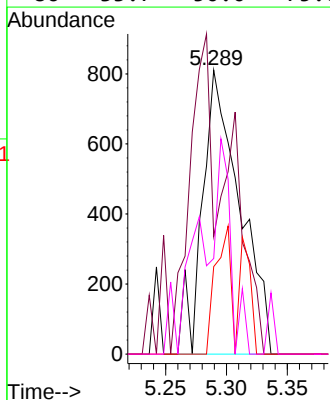
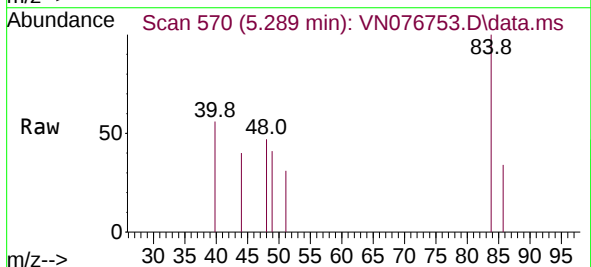
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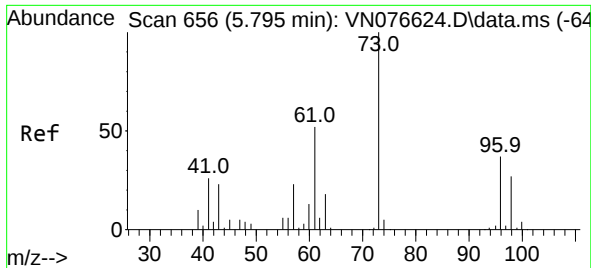
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#20
Methylene Chloride
Concen: 0.638 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

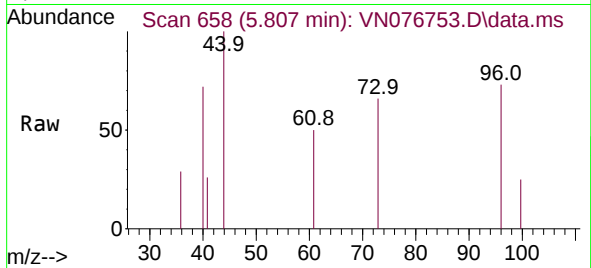
Tgt Ion: 84 Resp: 1746
Ion Ratio Lower Upper
84 100
49 41.4 104.9 157.3#
51 30.8 33.8 50.8#
86 33.7 50.0 75.0#





#21
trans-1,2-Dichloroethene
Concen: 0.210 ug/l
RT: 5.807 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

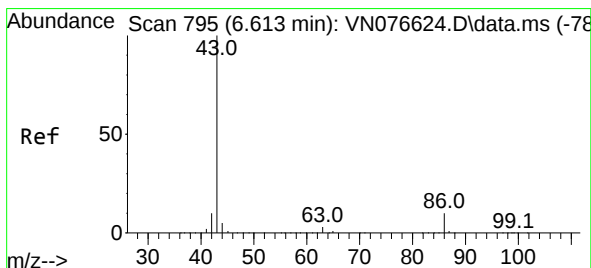
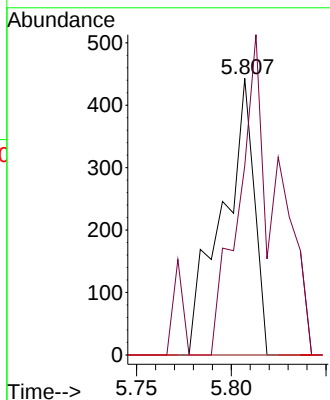
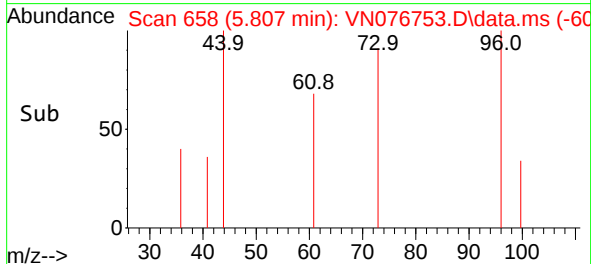
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Tgt Ion: 96 Resp: 511
Ion Ratio Lower Upper
96 100
61 33.9 113.9 170.9
98 0.0 59.4 89.0

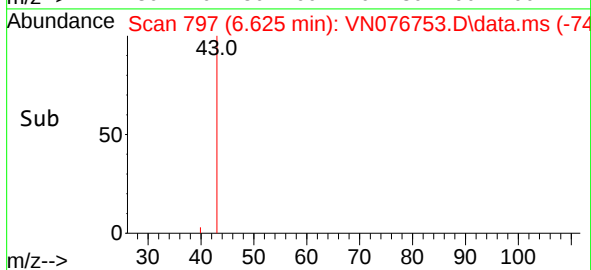
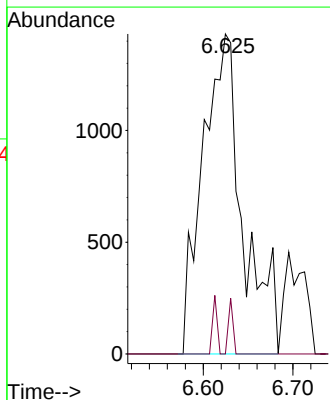
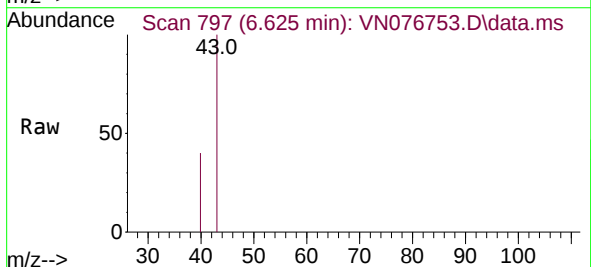
Manual Integrations
APPROVED

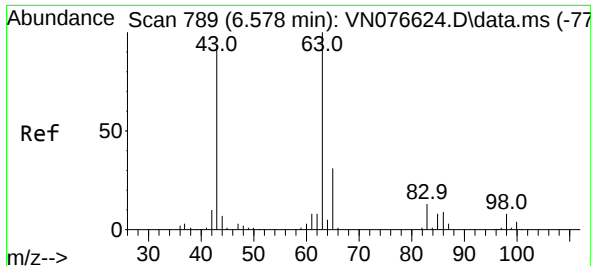
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#23
Vinyl Acetate
Concen: 0.842 ug/l
RT: 6.625 min Scan# 797
Delta R.T. 0.012 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 43 Resp: 4425
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.2





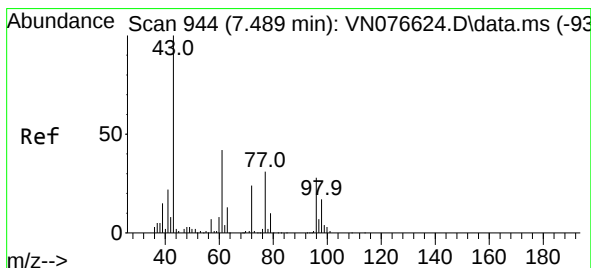
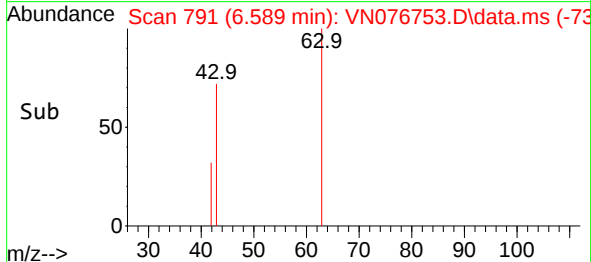
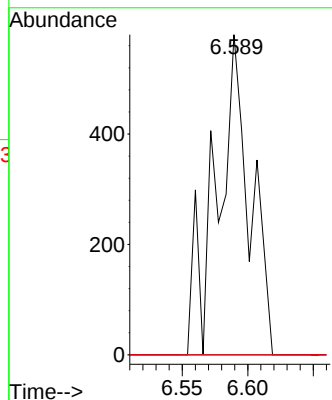
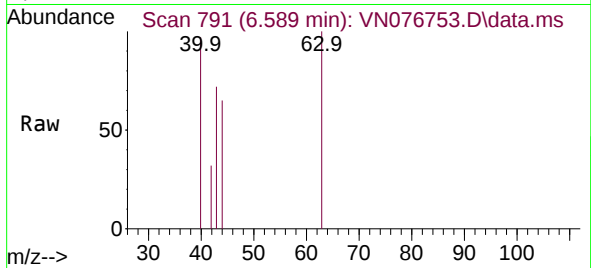
#24
1,1-Dichloroethane
Concen: 0.212 ug/l
RT: 6.589 min Scan# 791
Delta R.T. 0.011 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 63 Resp: 1032
Ion Ratio Lower Upper
63 100
98 0.0 4.1 12.3
100 0.0 2.0 5.8

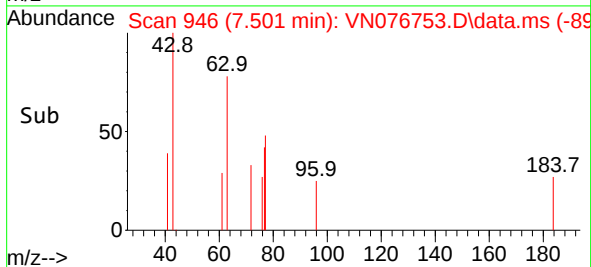
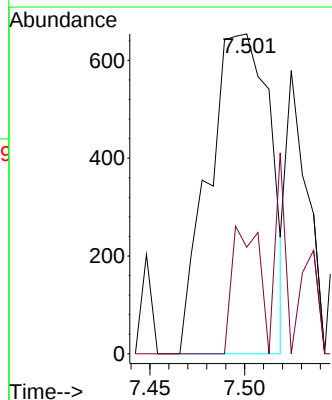
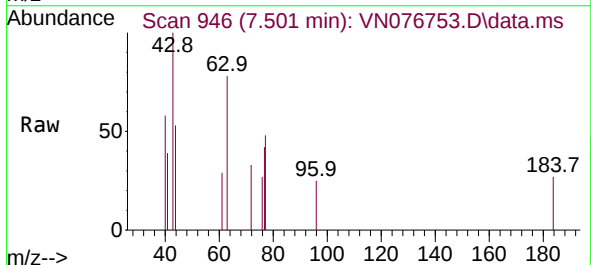
Manual Integrations
APPROVED

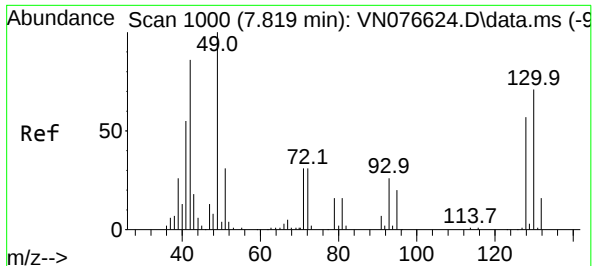
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#25
2-Butanone
Concen: 0.768 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
72 33.3 19.4 29.2





#28

Bromochloromethane

Concen: 0.287 ug/l

RT: 7.830 min Scan# 1000

Delta R.T. 0.011 min

Lab File: VN076753.D

Acq: 21 Feb 2023 16:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

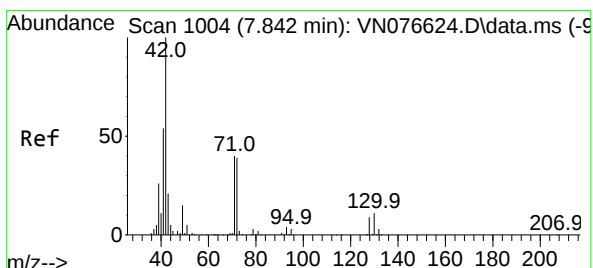
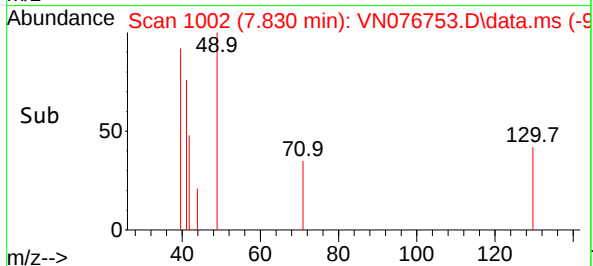
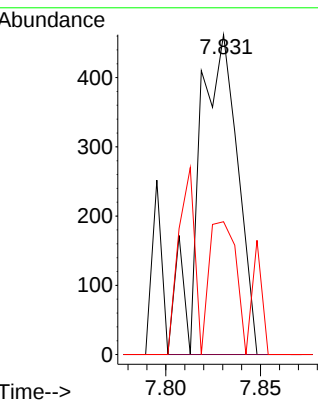
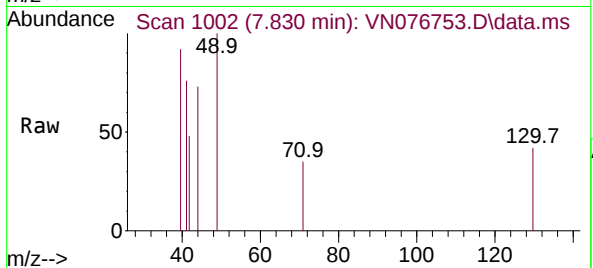
Tgt Ion: 49	Resp: 66
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.0
130	37.3 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#29

Tetrahydrofuran

Concen: 0.427 ug/l

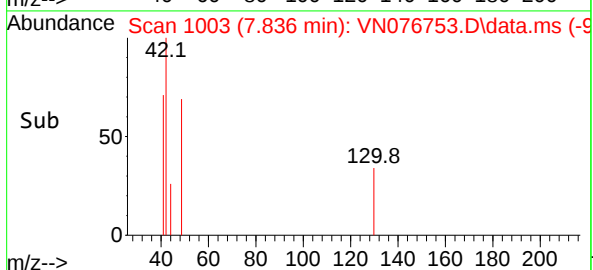
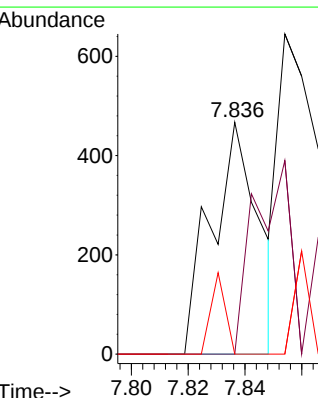
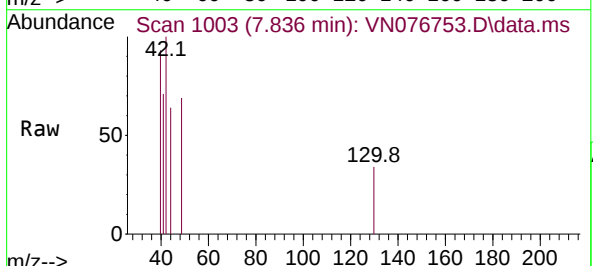
RT: 7.836 min Scan# 1003

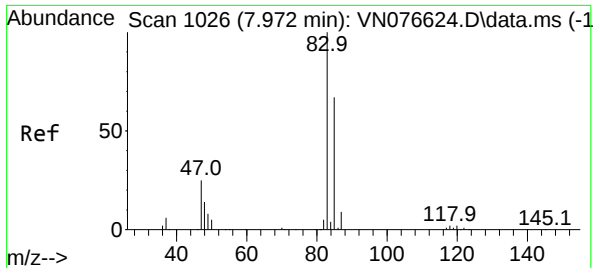
Delta R.T. -0.006 min

Lab File: VN076753.D

Acq: 21 Feb 2023 16:25

Tgt Ion: 42	Resp: 537
Ion Ratio	Lower Upper
42	100
72	0.0 31.5 47.3#
71	10.8 29.8 44.8#





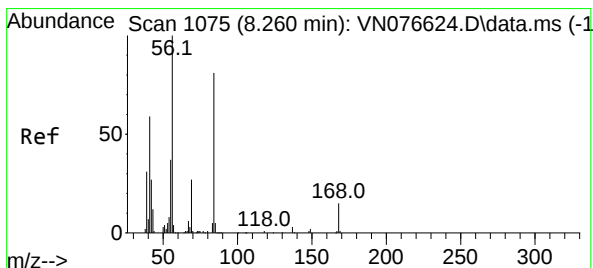
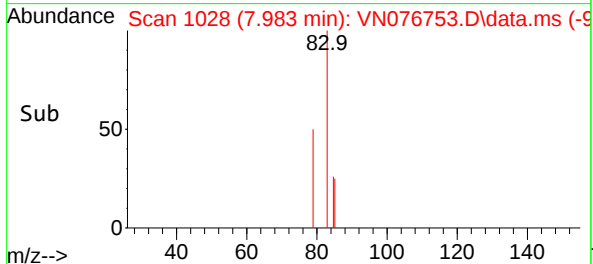
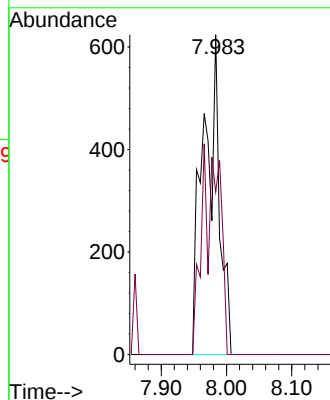
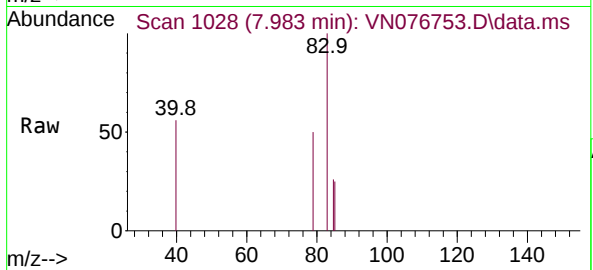
#30
Chloroform
Concen: 0.220 ug/l m
RT: 7.983 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 83 Resp: 1072
Ion Ratio Lower Upper
83 100
85 26.1 53.5 80.3

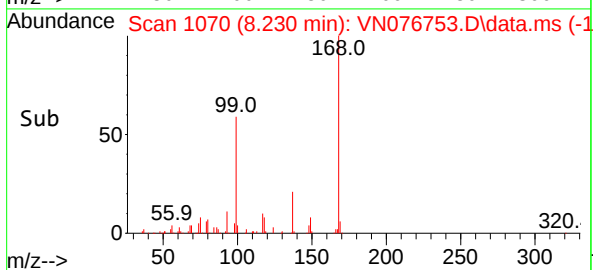
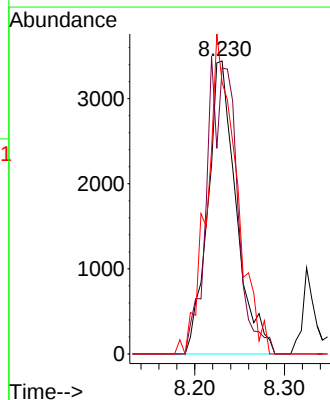
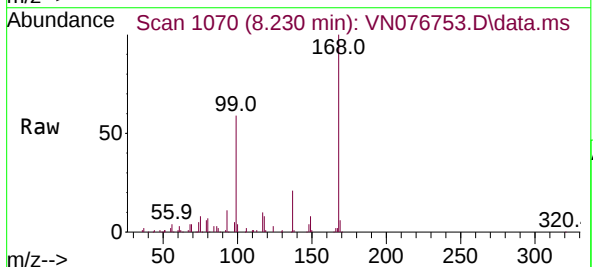
Manual Integrations
APPROVED

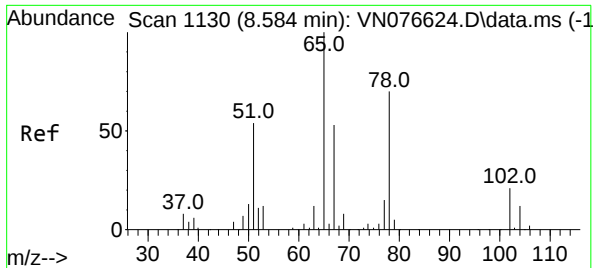
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#31
Cyclohexane
Concen: 1.648 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 56 Resp: 7560
Ion Ratio Lower Upper
56 100
69 97.6 21.6 32.4#
84 92.6 65.1 97.7





#33

1,2-Dichloroethane-d4

Concen: 74.913 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076753.D

Acq: 21 Feb 2023 16:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 65 Resp: 21908

Ion Ratio Lower Upper

65 100

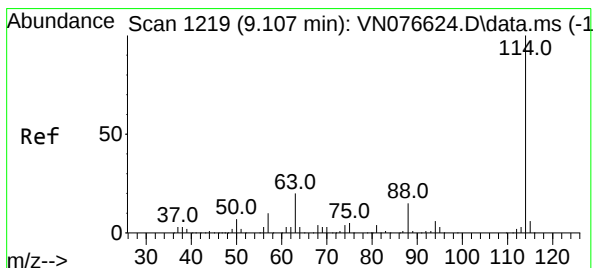
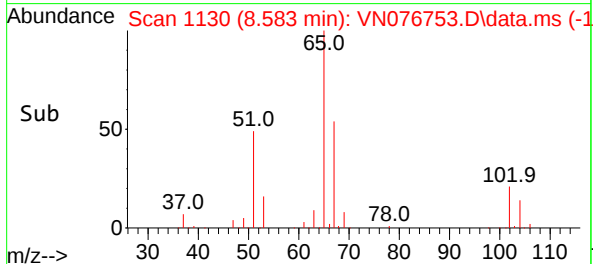
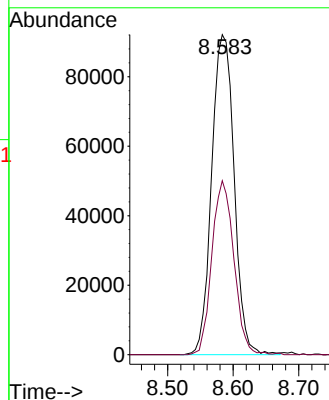
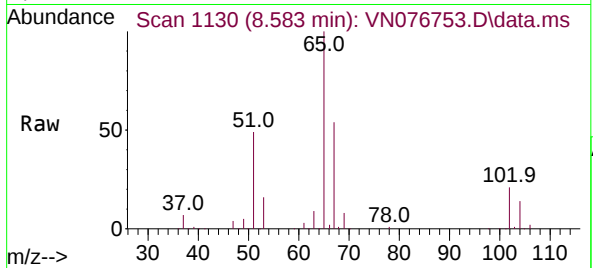
67 53.2 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076753.D

Acq: 21 Feb 2023 16:25

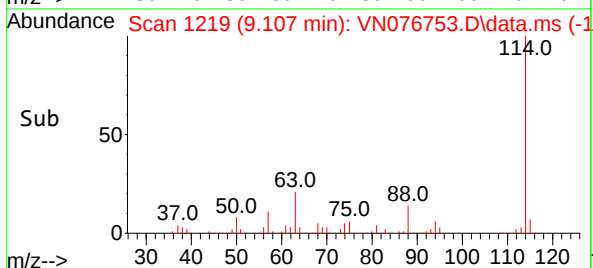
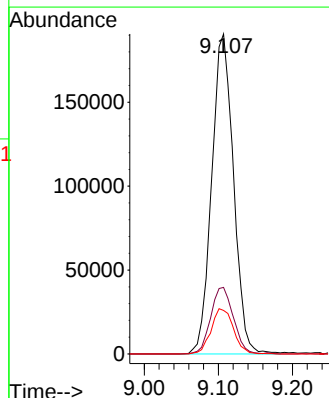
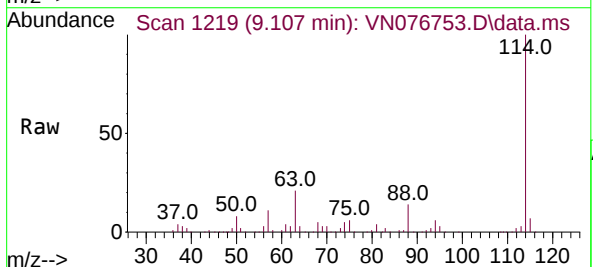
Tgt Ion:114 Resp: 389303

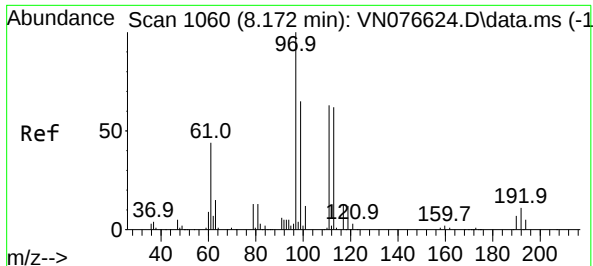
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

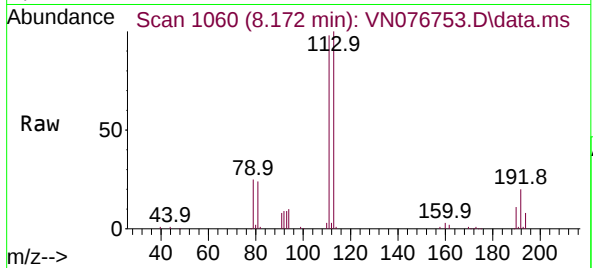
88 13.6 0.0 29.6





#35
Dibromofluoromethane
Concen: 64.714 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

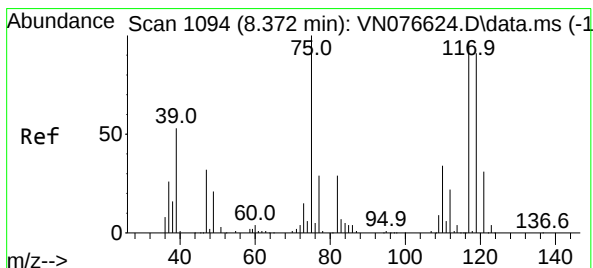
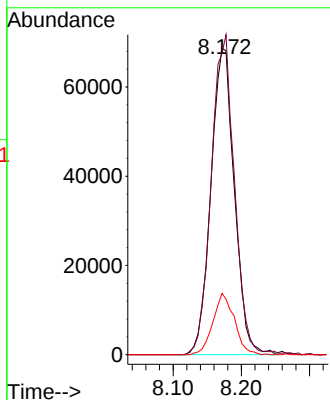
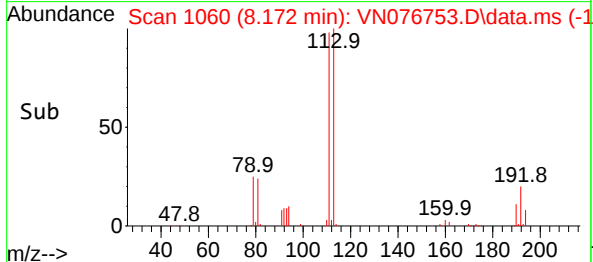
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



Tgt Ion:113 Resp: 16498
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 18.3 15.6 23.4

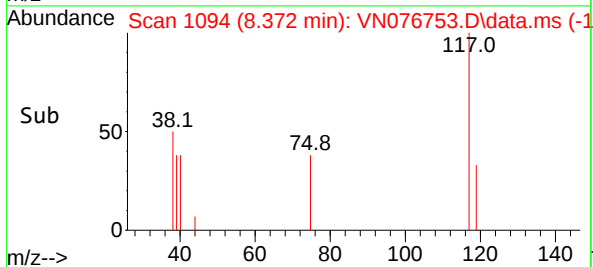
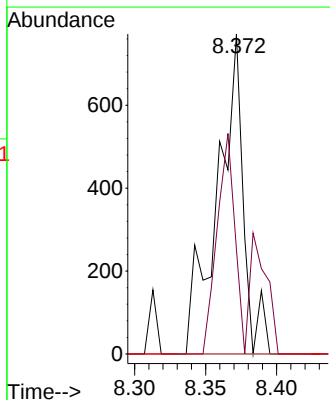
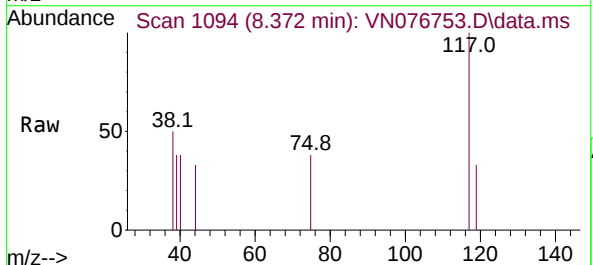
Manual Integrations
APPROVED

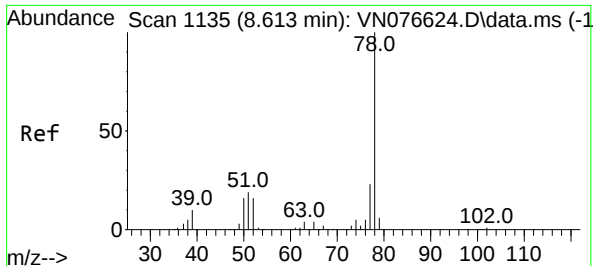
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#38
Carbon Tetrachloride
Concen: 0.265 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion:117 Resp: 985
Ion Ratio Lower Upper
117 100
119 32.6 75.4 113.0#
121 0.0 26.0 39.0#





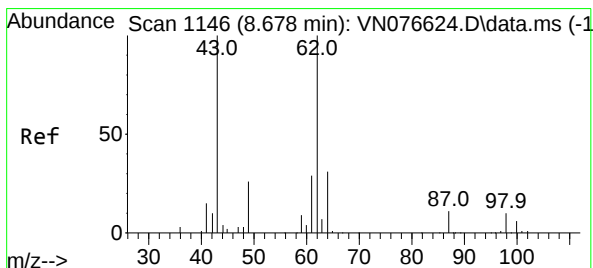
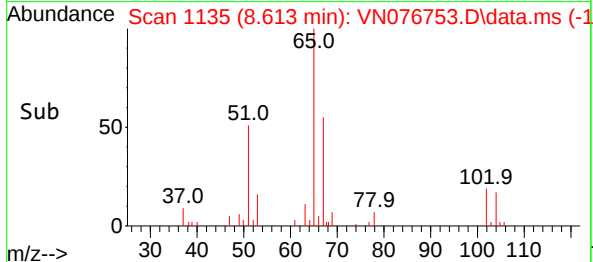
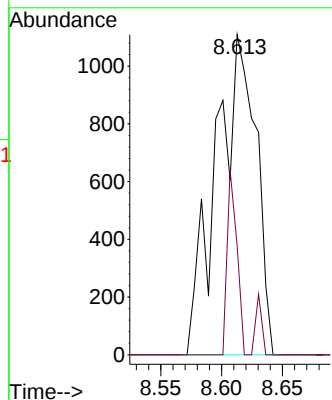
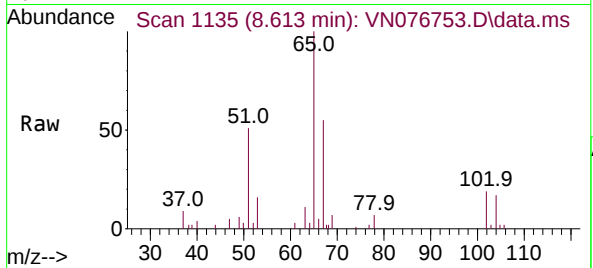
#40
Benzene
Concen: 0.225 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 78 Resp: 2540
Ion Ratio Lower Upper
78 100
77 34.1 18.2 27.4

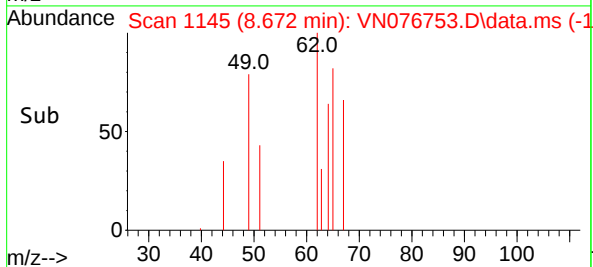
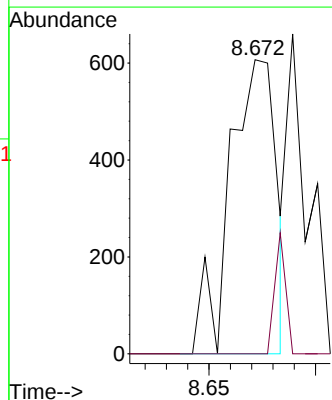
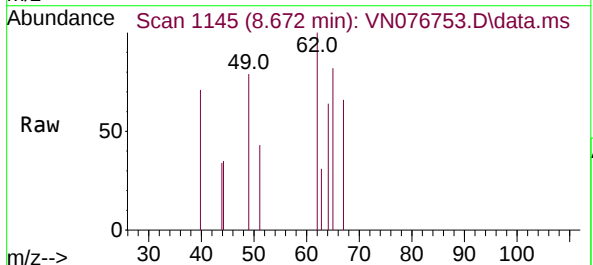
Manual Integrations
APPROVED

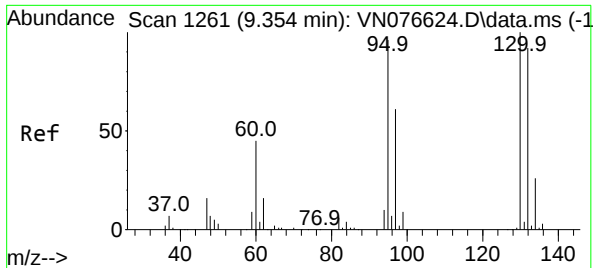
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#42
1,2-Dichloroethane
Concen: 0.234 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 62 Resp: 923
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.2





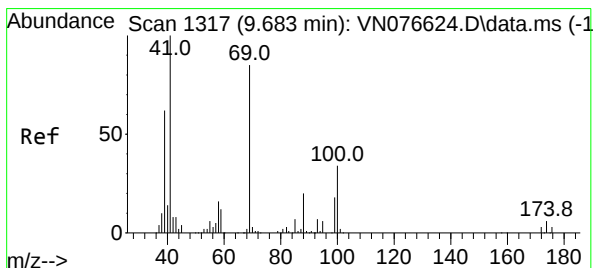
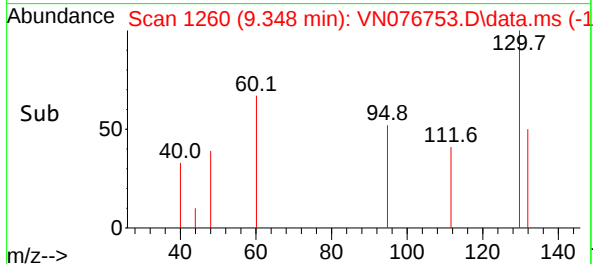
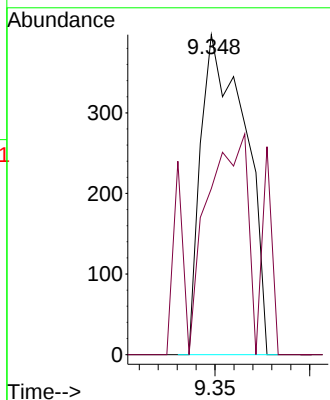
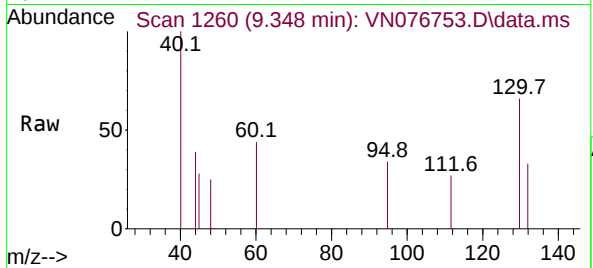
#44
Trichloroethene
Concen: 0.242 ug/l
RT: 9.348 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion:130 Resp: 648
Ion Ratio Lower Upper
130 100
95 51.9 0.0 191.4

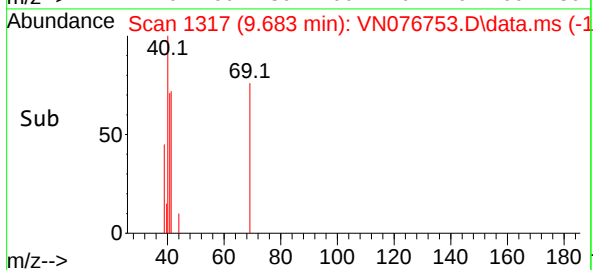
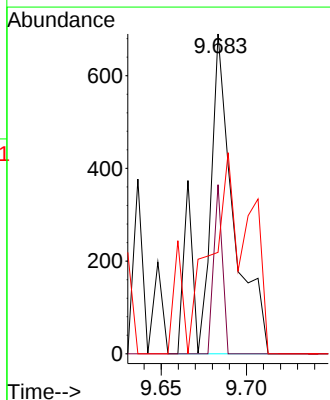
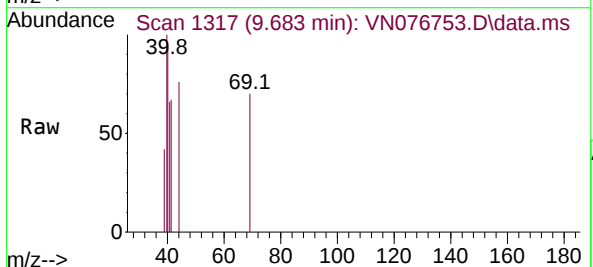
Manual Integrations
APPROVED

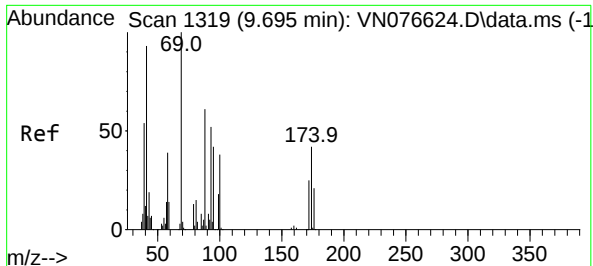
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#48
Methyl methacrylate
Concen: 0.255 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

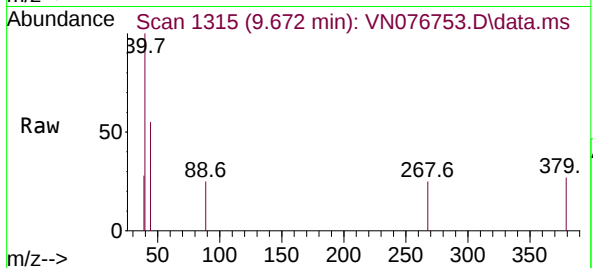
Tgt Ion: 41 Resp: 763
Ion Ratio Lower Upper
41 100
69 16.9 65.4 98.0#
39 86.9 49.3 73.9#





#49
1,4-Dioxane
Concen: 1.236 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

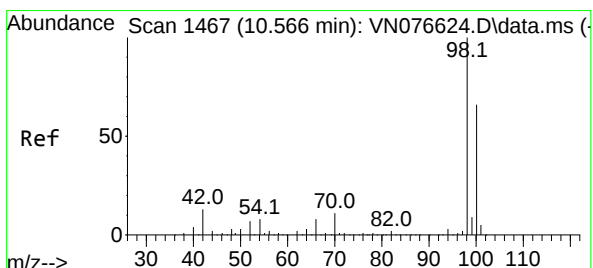
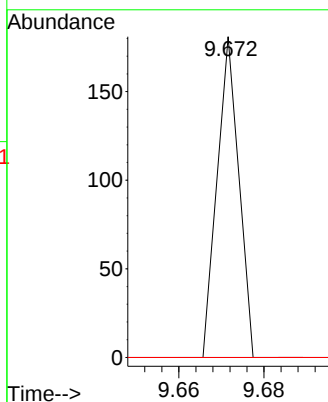
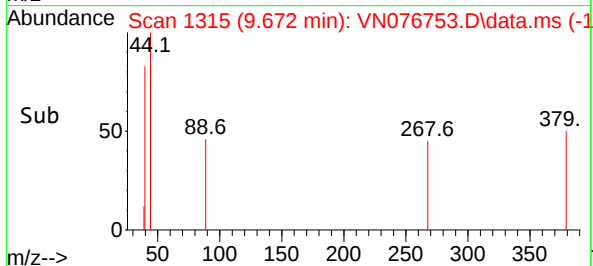
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8
58 0.0 57.6 86.4

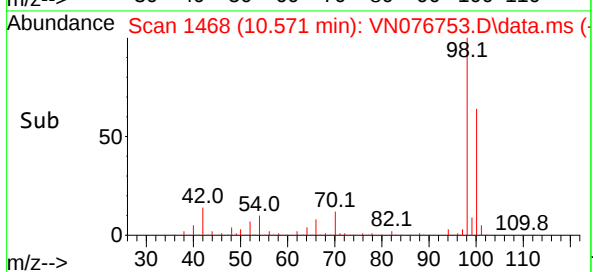
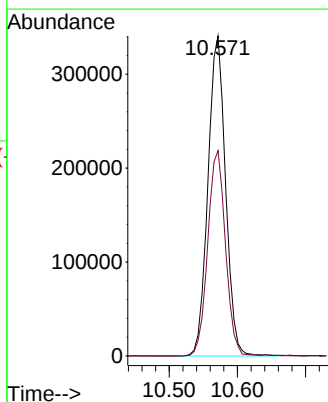
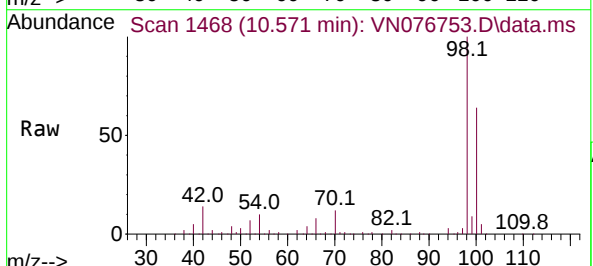
Manual Integrations
APPROVED

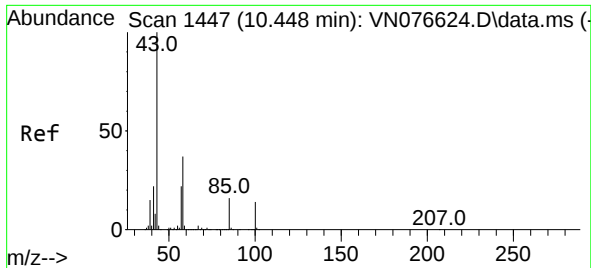
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#50
Toluene-d8
Concen: 64.395 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 98 Resp: 613115
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3





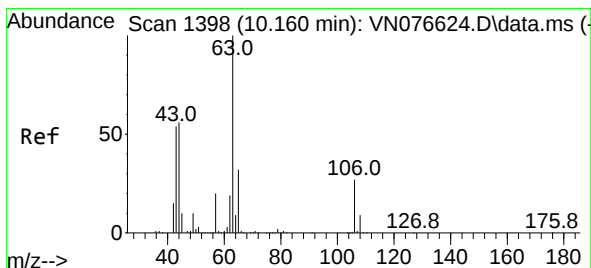
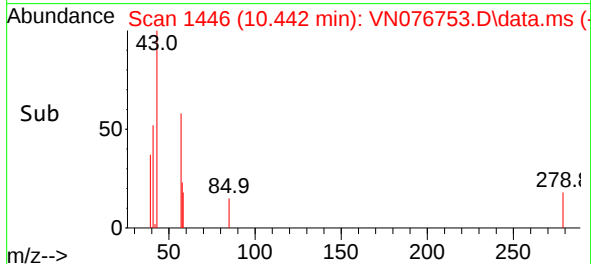
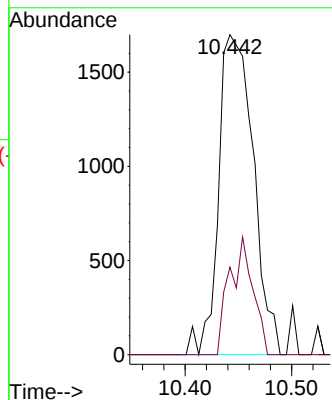
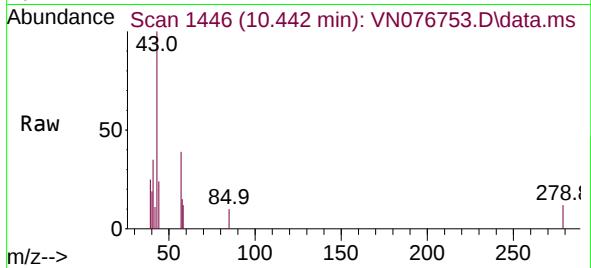
#51
4-Methyl-2-Pentanone
Concen: 0.960 ug/l
RT: 10.442 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
58 24.8 29.5 44.3

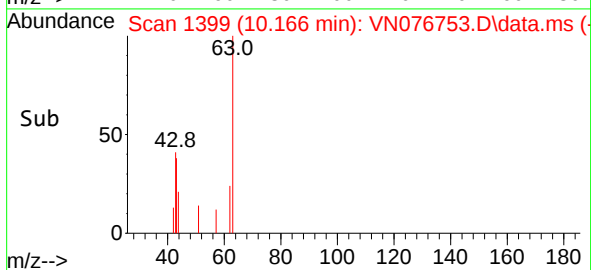
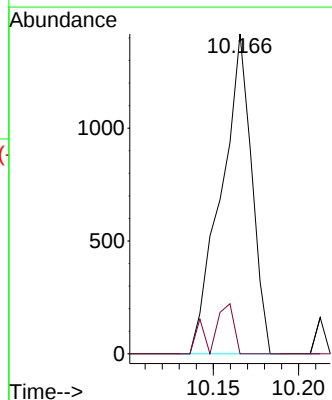
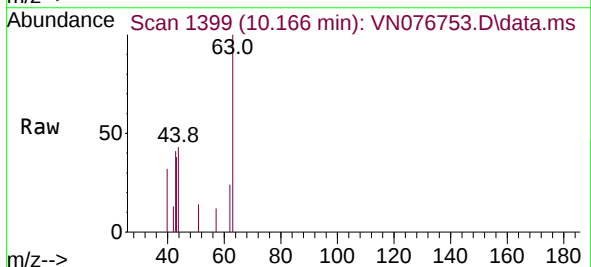
Manual Integrations
APPROVED

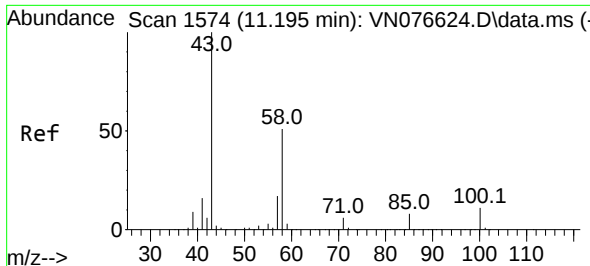
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#58
2-Chloroethyl Vinyl ether
Concen: 0.981 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 63 Resp: 1756
Ion Ratio Lower Upper
63 100
106 11.3 22.3 33.5





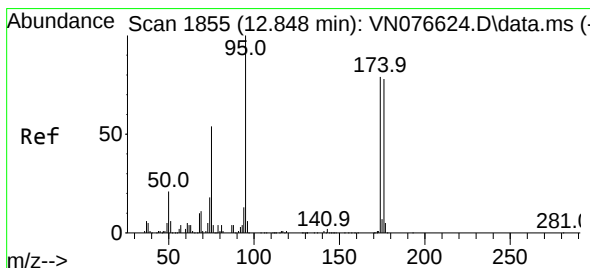
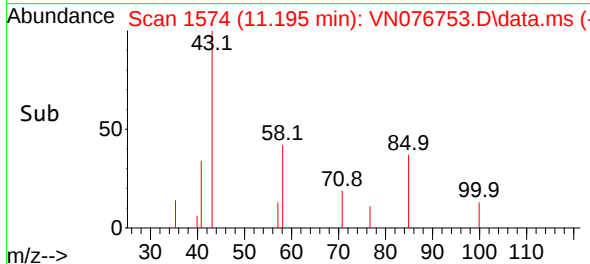
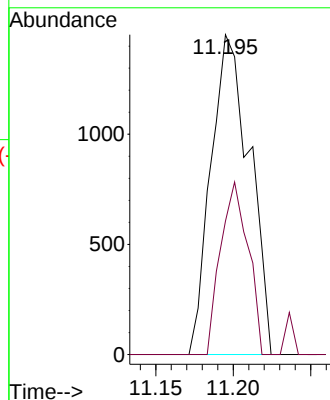
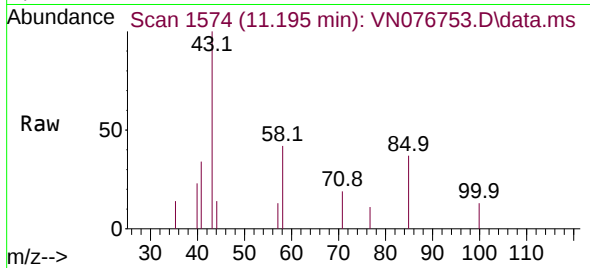
#59
2-Hexanone
Concen: 0.870 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 43 Resp: 2518
Ion Ratio Lower Upper
43 100
58 38.4 25.4 76.0

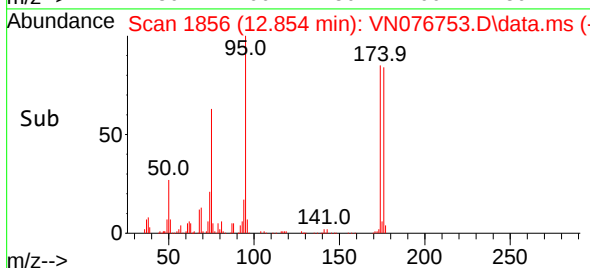
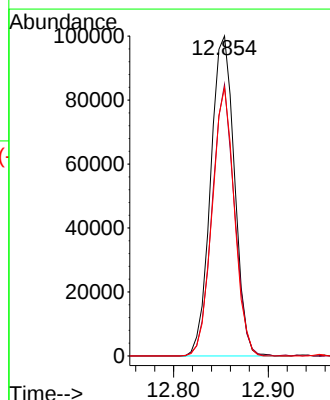
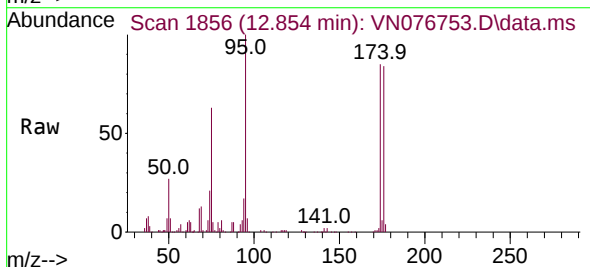
Manual Integrations
APPROVED

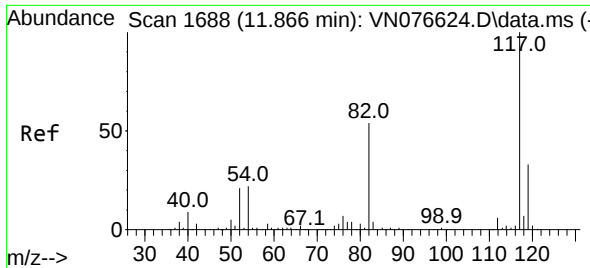
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#62
4-Bromofluorobenzene
Concen: 55.341 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 95 Resp: 174513
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.2
176 78.2 0.0 163.4





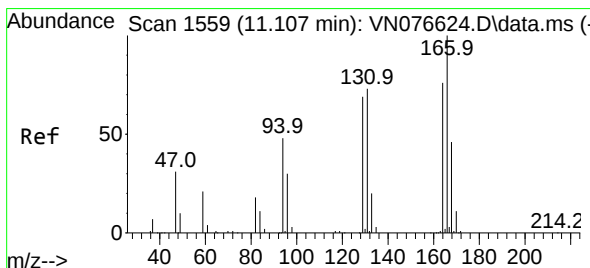
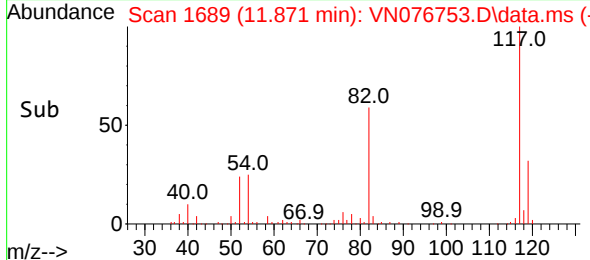
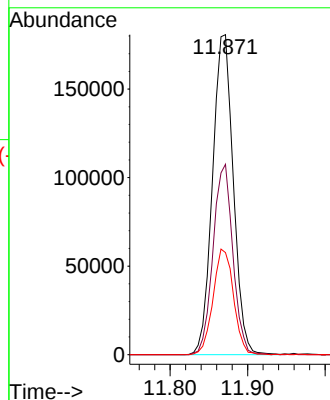
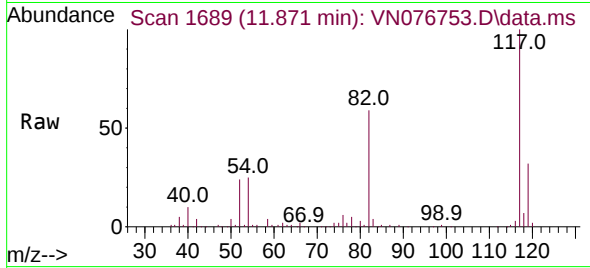
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion:117 Resp: 336932
Ion Ratio Lower Upper
117 100
82 59.5 43.4 65.2
119 31.9 26.1 39.1

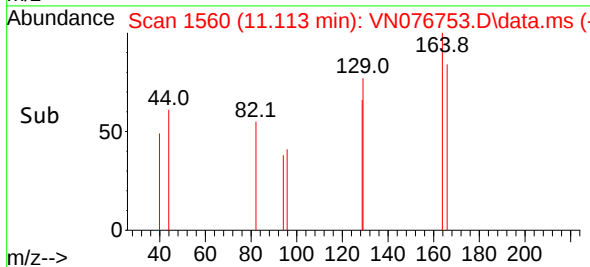
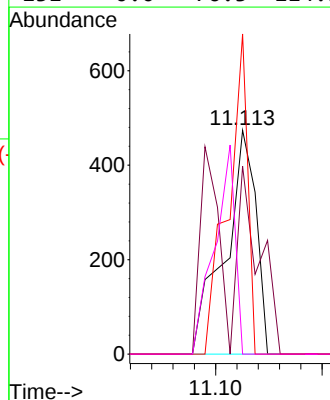
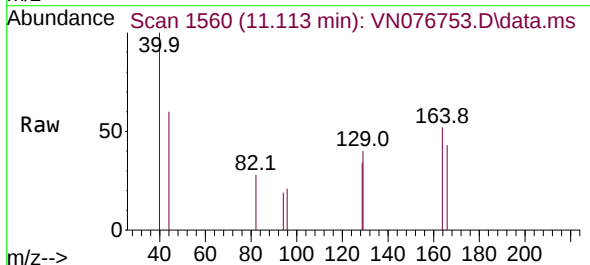
Manual Integrations
APPROVED

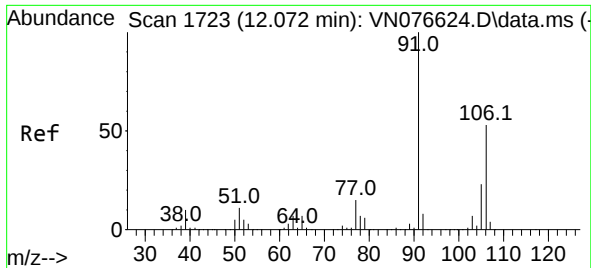
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#64
Tetrachloroethene
Concen: 0.226 ug/l
RT: 11.113 min Scan# 1560
Delta R.T. 0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion:164 Resp: 480
Ion Ratio Lower Upper
164 100
166 84.0 104.8 157.2#
129 143.0 72.2 108.2#
131 0.0 76.3 114.5#





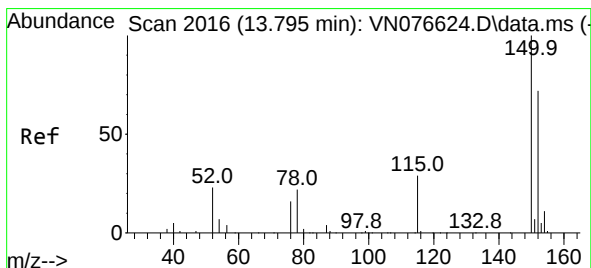
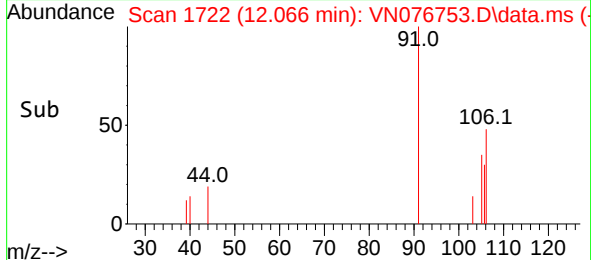
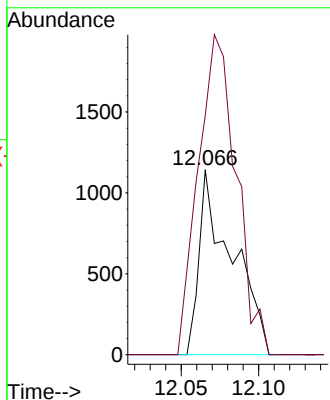
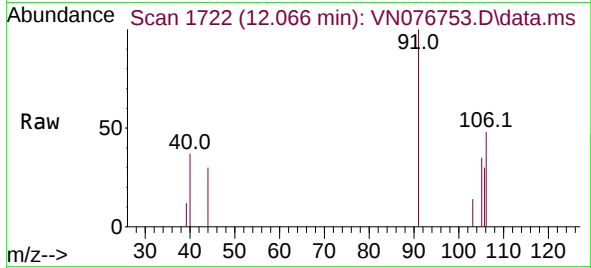
#68
m/p-Xylenes
Concen: 0.359 ug/l
RT: 12.066 min Scan# 1723
Delta R.T. -0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion:106 Resp: 168
Ion Ratio Lower Upper
106 100
91 200.8 154.7 232.1

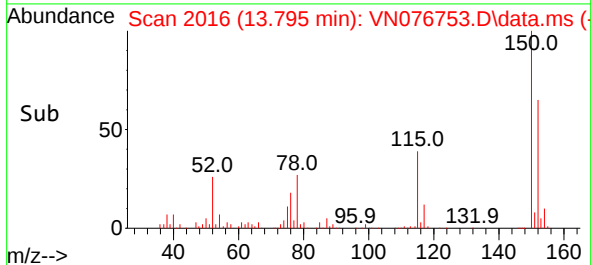
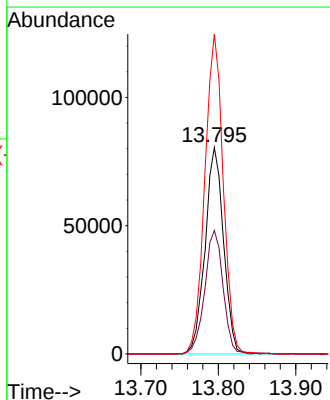
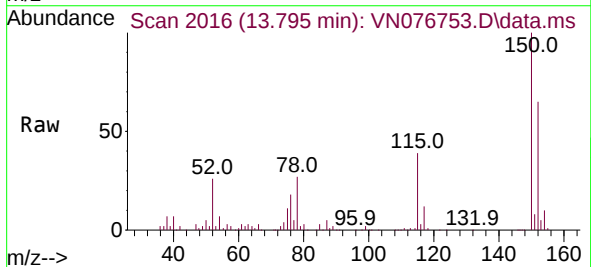
Manual Integrations
APPROVED

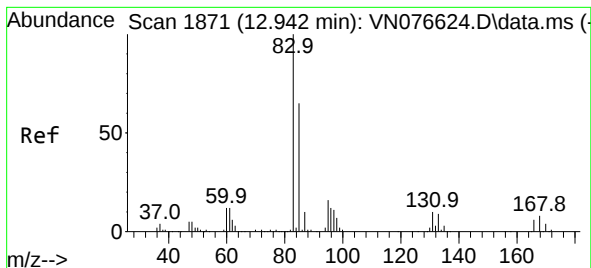
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion:152 Resp: 133914
Ion Ratio Lower Upper
152 100
115 59.0 29.3 87.9
150 153.6 0.0 349.8





#75

1,1,2,2-Tetrachloroethane

Concen: 0.224 ug/l

RT: 12.936 min Scan# 1871

Delta R.T. -0.006 min

Lab File: VN076753.D

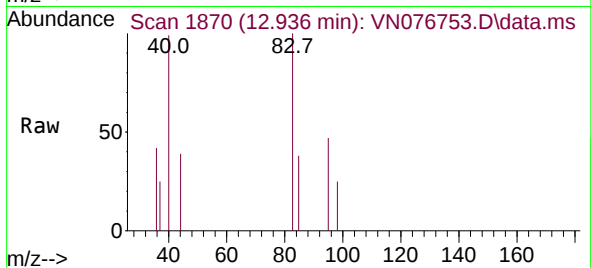
Acq: 21 Feb 2023 16:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023



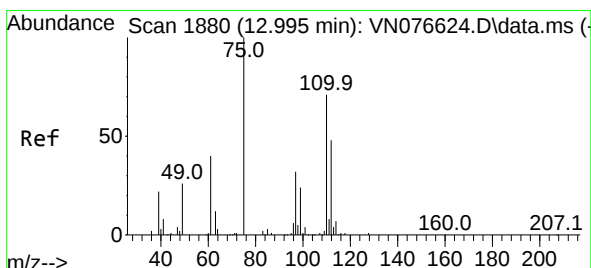
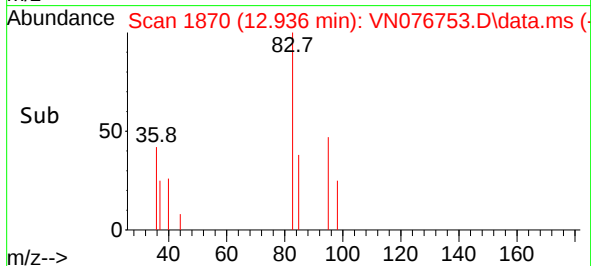
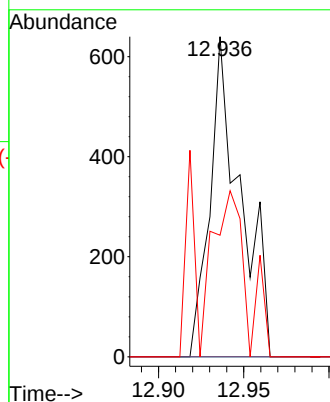
Tgt Ion: 83	Resp: 79
Ion Ratio	Lower Upper
83 100	
131 0.0	5.0 15.0
85 57.8	31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#76

1,2,3-Trichloropropane

Concen: 0.409 ug/l m

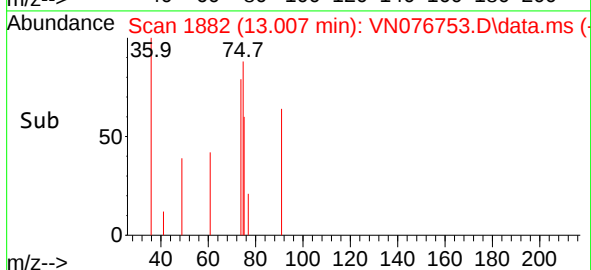
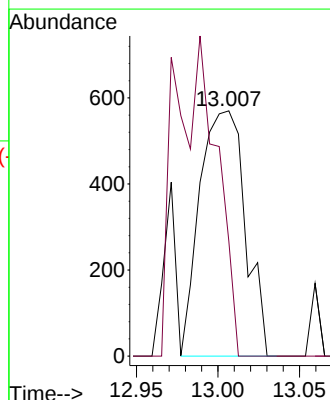
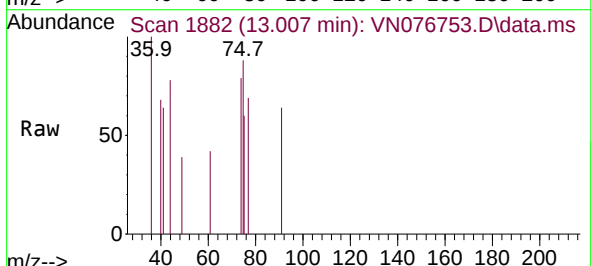
RT: 13.007 min Scan# 1882

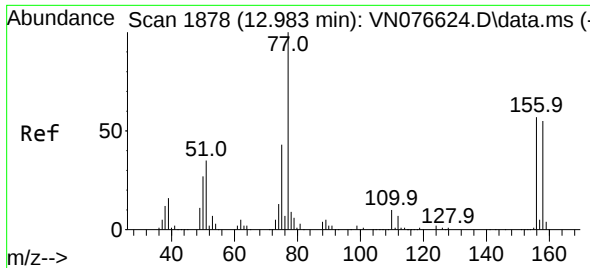
Delta R.T. 0.012 min

Lab File: VN076753.D

Acq: 21 Feb 2023 16:25

Tgt Ion: 75	Resp: 1108
Ion Ratio	Lower Upper
75 100	
77 120.4	93.1 279.3





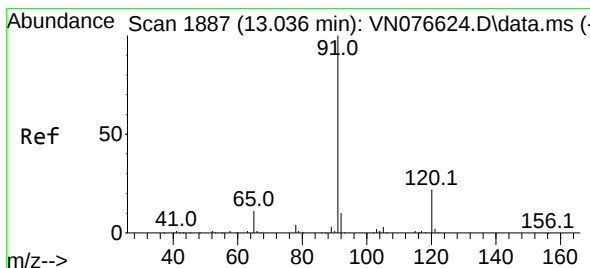
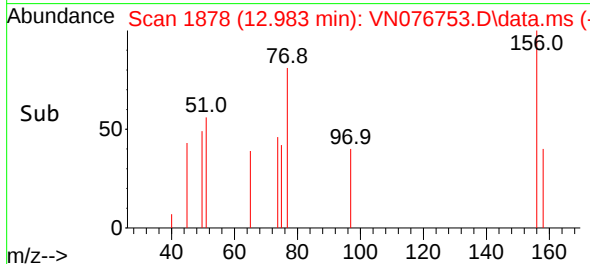
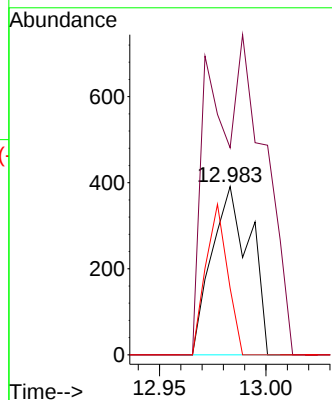
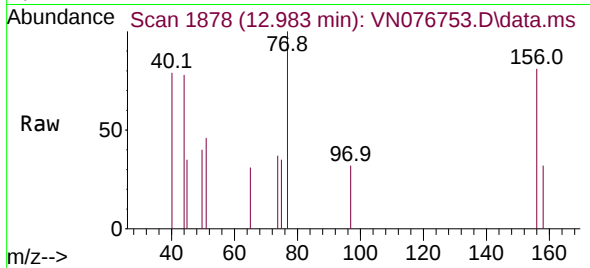
#77
Bromobenzene
Concen: 0.200 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion:156 Resp: 49
Ion Ratio Lower Upper
156 100
77 124.6 102.8 308.4
158 50.7 48.9 146.6

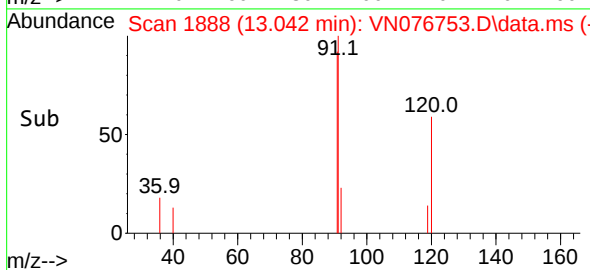
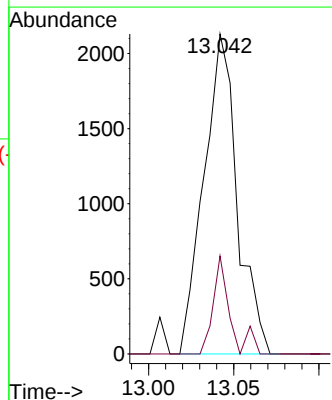
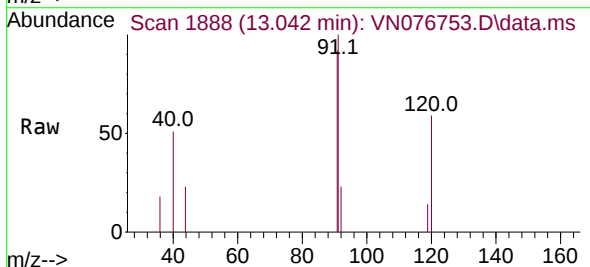
Manual Integrations
APPROVED

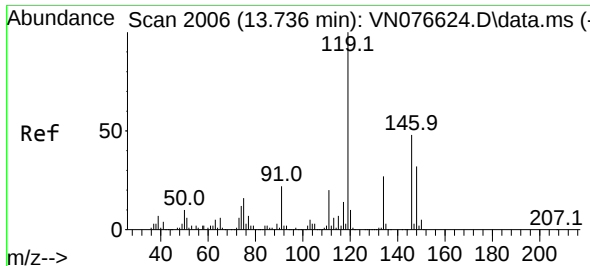
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#78
n-propylbenzene
Concen: 0.252 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Tgt Ion: 91 Resp: 2900
Ion Ratio Lower Upper
91 100
120 15.3 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 0.207 ug/l

RT: 13.724 min Scan# 2004

Delta R.T. -0.012 min

Lab File: VN076753.D

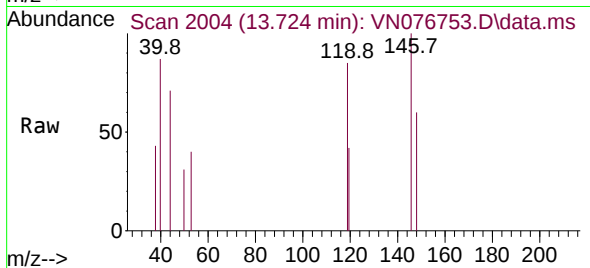
Acq: 21 Feb 2023 16:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023



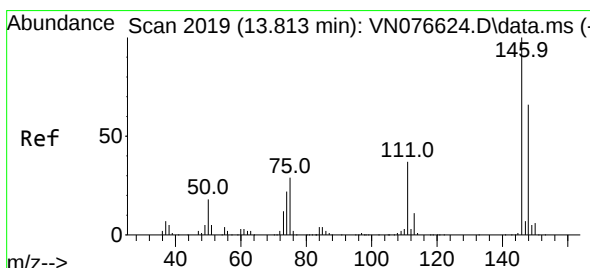
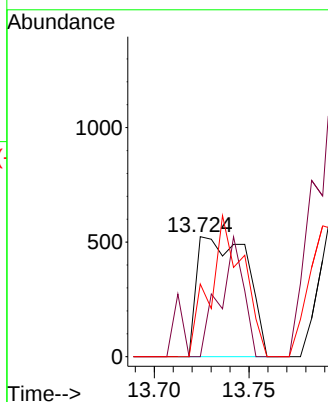
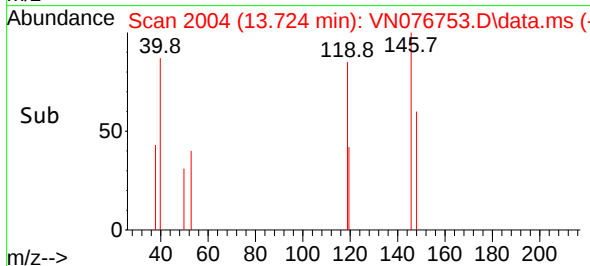
Tgt Ion:	146	Resp:	95
Ion Ratio	Lower	Upper	
146	100		
111	47.8	19.8	59.4
148	79.0	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#88

1,4-Dichlorobenzene

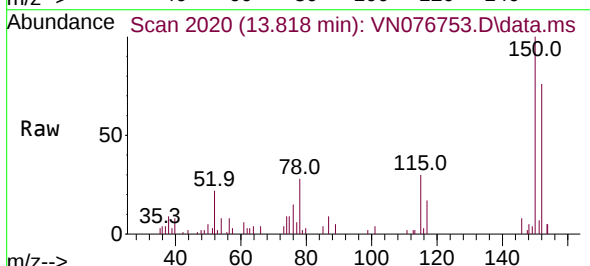
Concen: 0.357 ug/l m

RT: 13.818 min Scan# 2020

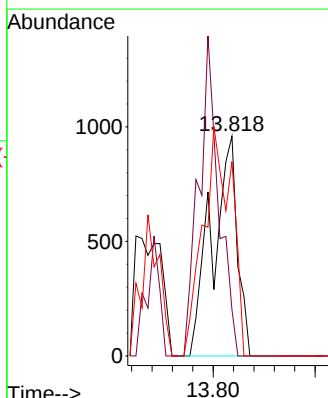
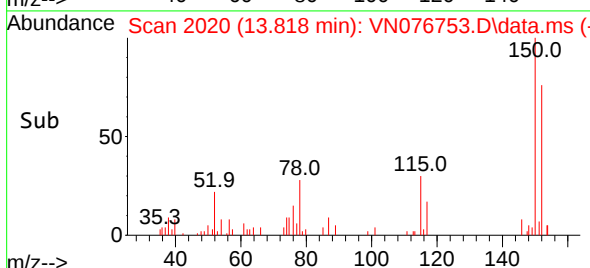
Delta R.T. 0.005 min

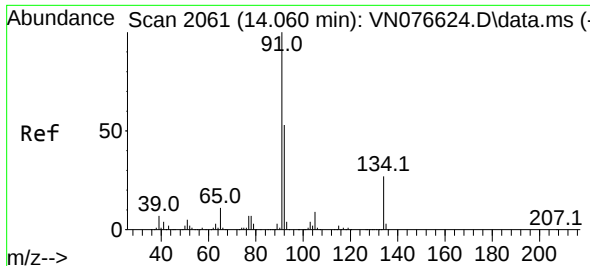
Lab File: VN076753.D

Acq: 21 Feb 2023 16:25



Tgt Ion:	146	Resp:	1644
Ion Ratio	Lower	Upper	
146	100		
111	27.8	19.4	58.1
148	46.0	32.7	98.1





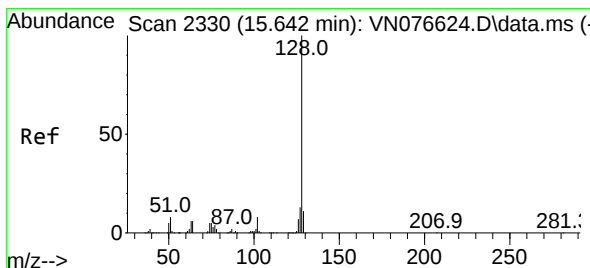
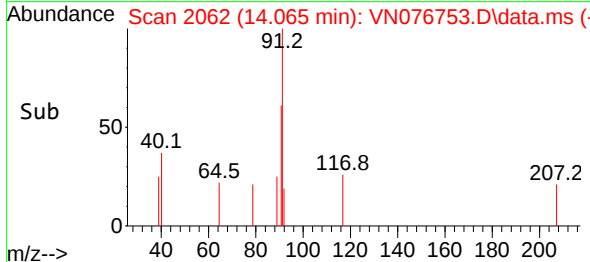
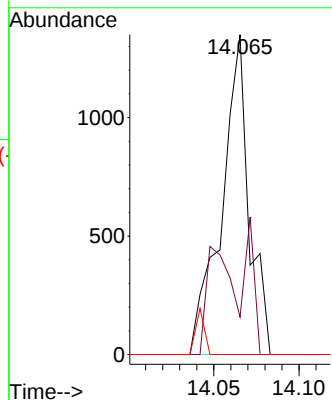
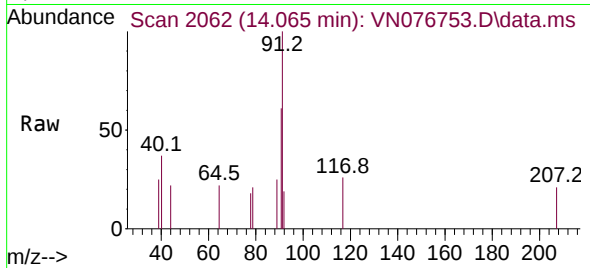
#89
n-Butylbenzene
Concen: 0.212 ug/l
RT: 14.065 min Scan# 2061
Delta R.T. 0.005 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 91 Resp: 1509
Ion Ratio Lower Upper
91 100
92 45.3 26.4 79.0
134 0.0 13.2 39.5

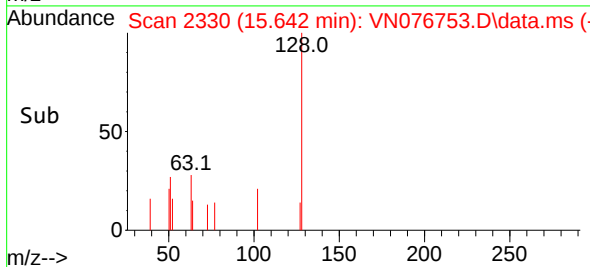
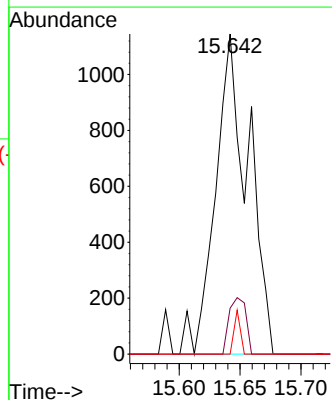
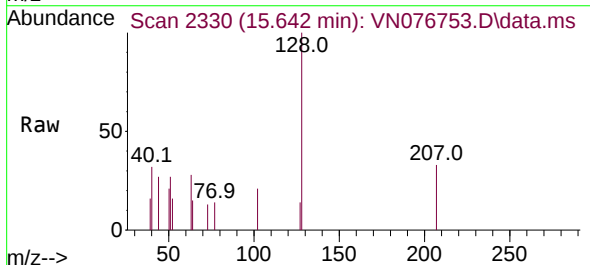
Manual Integrations
APPROVED

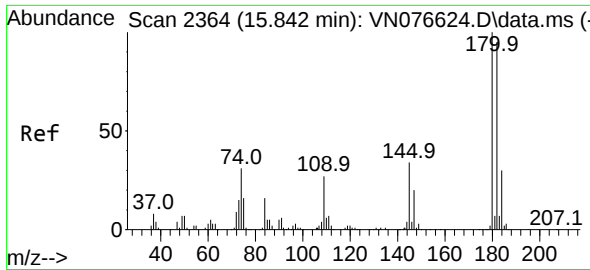
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#95
Naphthalene
Concen: 0.301 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076753.D
Acq: 21 Feb 2023 16:25

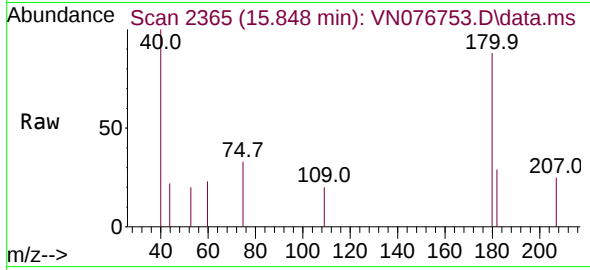
Tgt Ion:128 Resp: 2161
Ion Ratio Lower Upper
128 100
127 9.0 10.6 16.0#
129 2.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.281 ug/l
 RT: 15.848 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076753.D
 Acq: 21 Feb 2023 16:25

Instrument : MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2023



Tgt Ion:180 Resp: 649
 Ion Ratio Lower Upper
 180 100
 182 65.6 46.7 140.1
 145 8.7 16.0 47.9

Manual Integrations
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Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

