

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076754.D
 Acq On : 21 Feb 2023 16:49
 Operator : JC\MD
 Sample : 01627-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 22 04:12:43 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	232821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	447439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	147748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	194782	60.587	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.180%			
35) Dibromofluoromethane	8.172	113	147544	50.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	10.566	98	547297	50.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.848	95	158616	43.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	1196	0.484	ug/l	100
3) Chloromethane	2.378	50	1733	0.537	ug/l #	60
4) Vinyl Chloride	2.525	62	1650	0.520	ug/l #	88
5) Bromomethane	2.960	94	1237m	0.643	ug/l	
6) Chloroethane	3.119	64	867	0.432	ug/l #	44
7) Trichlorofluoromethane	3.501	101	2101	0.486	ug/l #	73
8) Diethyl Ether	3.984	74	881m	0.529	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.384	101	883m	0.348	ug/l	
10) Methyl Iodide	4.601	142	1170	0.373	ug/l #	41
11) Tert butyl alcohol	5.536	59	790	1.862	ug/l #	71
12) 1,1-Dichloroethene	4.366	96	1009m	0.420	ug/l	
13) Acrolein	4.189	56	1985	3.116	ug/l	84
14) Allyl chloride	5.060	41	2106m	0.506	ug/l	
15) Acrylonitrile	5.742	53	3828	2.542	ug/l #	68
16) Acetone	4.454	43	4307m	2.999	ug/l	
17) Carbon Disulfide	4.731	76	2685	0.423	ug/l #	73
18) Methyl Acetate	5.042	43	1616	0.345	ug/l #	85
19) Methyl tert-butyl Ether	5.807	73	3536	0.436	ug/l #	90
20) Methylene Chloride	5.284	84	2512	0.835	ug/l #	78
21) trans-1,2-Dichloroethene	5.813	96	982m	0.363	ug/l	
22) Diisopropyl ether	6.672	45	3774m	0.386	ug/l	
23) Vinyl Acetate	6.619	43	11617	2.010	ug/l #	82
24) 1,1-Dichloroethane	6.572	63	2548	0.476	ug/l #	81
25) 2-Butanone	7.495	43	5916	2.793	ug/l	97
26) 2,2-Dichloropropane	7.513	77	1598	0.414	ug/l #	52
27) cis-1,2-Dichloroethene	7.495	96	1402	0.437	ug/l	82
28) Bromochloromethane	7.825	49	1547	0.607	ug/l #	92
29) Tetrahydrofuran	7.866	42	3079	2.225	ug/l #	80
30) Chloroform	7.966	83	2781	0.520	ug/l	90
31) Cyclohexane	8.230	56	8838	1.753	ug/l #	3
32) 1,1,1-Trichloroethane	8.189	97	2096	0.466	ug/l #	52
36) 1,1-Dichloropropene	8.383	75	1813m	0.428	ug/l	
37) Ethyl Acetate	7.583	43	2084	0.468	ug/l #	71
38) Carbon Tetrachloride	8.354	117	1720m	0.403	ug/l	
39) Methylcyclohexane	9.601	83	1832	0.381	ug/l #	86
40) Benzene	8.619	78	6037	0.464	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	933	0.362	ug/l #	78
42) 1,2-Dichloroethane	8.683	62	2467	0.544	ug/l	80
43) Isopropyl Acetate	8.689	43	3068	0.423	ug/l #	72
44) Trichloroethene	9.360	130	1176	0.383	ug/l	33
45) 1,2-Dichloropropane	9.630	63	1850	0.538	ug/l	95
46) Dibromomethane	9.701	93	656m	0.298	ug/l	
47) Bromodichloromethane	9.901	83	2117	0.480	ug/l #	61
48) Methyl methacrylate	9.689	41	1117	0.325	ug/l #	85
49) 1,4-Dioxane	9.695	88	634m	10.656	ug/l	
51) 4-Methyl-2-Pentanone	10.454	43	7846	1.701	ug/l	97
52) Toluene	10.624	92	3070	0.391	ug/l	89
53) t-1,3-Dichloropropene	10.836	75	1656	0.389	ug/l #	75
54) cis-1,3-Dichloropropene	10.324	75	2255m	0.459	ug/l	
55) 1,1,2-Trichloroethane	11.013	97	1610	0.504	ug/l #	73
56) Ethyl methacrylate	10.877	69	1540	0.343	ug/l #	73
57) 1,3-Dichloropropane	11.160	76	2575	0.470	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.166	63	3494	1.698	ug/l #	77
59) 2-Hexanone	11.201	43	6460	1.943	ug/l	99
60) Dibromochloromethane	11.366	129	1239	0.368	ug/l	94
61) 1,2-Dibromoethane	11.477	107	1388	0.434	ug/l	93
64) Tetrachloroethene	11.107	164	1061	0.438	ug/l #	75
65) Chlorobenzene	11.895	112	3662	0.449	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.960	131	1450	0.490	ug/l #	64
67) Ethyl Benzene	11.965	91	5794	0.417	ug/l #	73
68) m/p-Xylenes	12.071	106	4221	0.789	ug/l	92
69) o-Xylene	12.395	106	2086	0.400	ug/l	91
70) Styrene	12.413	104	3009	0.356	ug/l	90
71) Bromoform	12.571	173	528	0.243	ug/l #	28
73) Isopropylbenzene	12.695	105	4563	0.421	ug/l	95
74) N-amyl acetate	12.501	43	1801	0.369	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.936	83	1742	0.444	ug/l #	76
76) 1,2,3-Trichloropropane	12.995	75	1607m	0.538	ug/l	
77) Bromobenzene	12.989	156	1426	0.528	ug/l	91
78) n-propylbenzene	13.042	91	5013	0.394	ug/l	94
79) 2-Chlorotoluene	13.130	91	3402	0.437	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	3006	0.336	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	303m	0.295	ug/l	
82) 4-Chlorotoluene	13.130	91	3402	0.437	ug/l	98
83) tert-Butylbenzene	13.436	119	3361	0.415	ug/l	95
84) 1,2,4-Trimethylbenzene	13.477	105	3274	0.367	ug/l	92
85) sec-Butylbenzene	13.612	105	4372	0.387	ug/l	96
86) p-Isopropyltoluene	13.724	119	3351	0.371	ug/l	93
87) 1,3-Dichlorobenzene	13.736	146	2776	0.544	ug/l #	66
88) 1,4-Dichlorobenzene	13.801	146	3159	0.621	ug/l #	31
89) n-Butylbenzene	14.059	91	3290	0.419	ug/l	91
90) Hexachloroethane	14.324	117	1052	0.557	ug/l	80
91) 1,2-Dichlorobenzene	14.112	146	1780	0.340	ug/l	75
92) 1,2-Dibromo-3-Chloropr...	14.730	75	317	0.417	ug/l #	38
93) 1,2,4-Trichlorobenzene	15.389	180	1119m	0.428	ug/l	
94) Hexachlorobutadiene	15.506	225	460	0.359	ug/l #	70
95) Naphthalene	15.642	128	2818	0.356	ug/l	96
96) 1,2,3-Trichlorobenzene	15.842	180	1440	0.569	ug/l #	48

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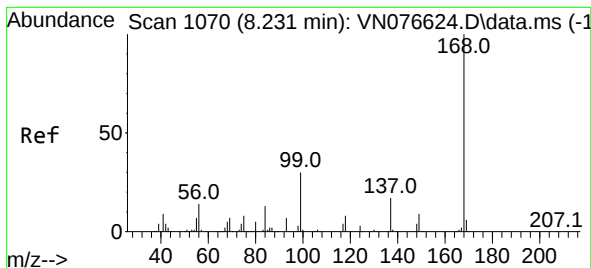
Manual Integrations
APPROVED

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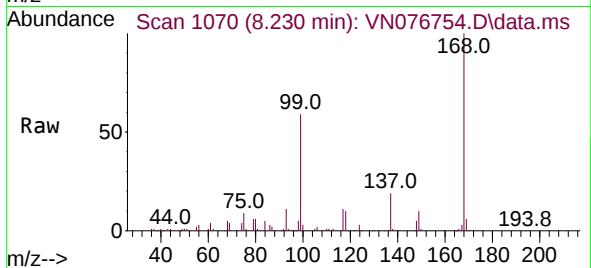
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
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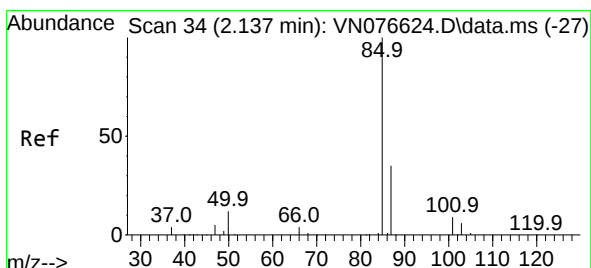
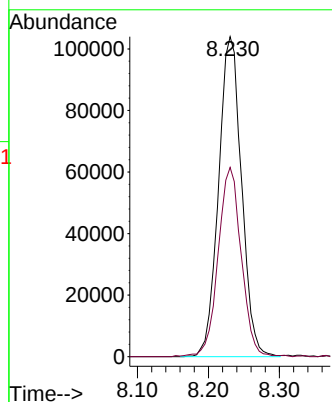
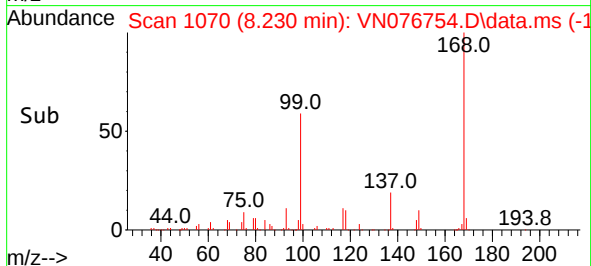
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion:168 Resp: 23282
Ion Ratio Lower Upper
168 100
99 58.9 44.8 67.2

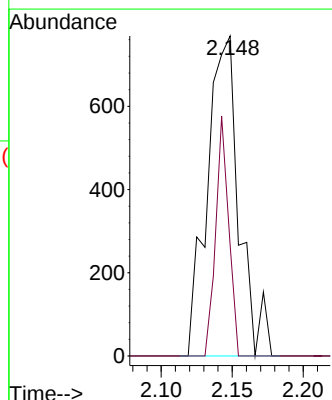
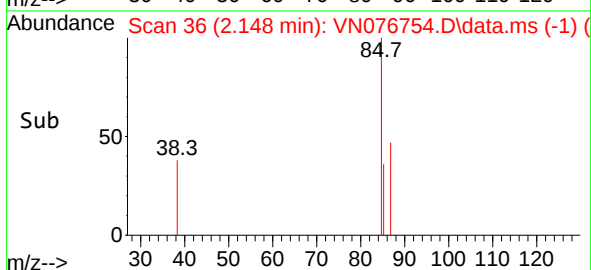
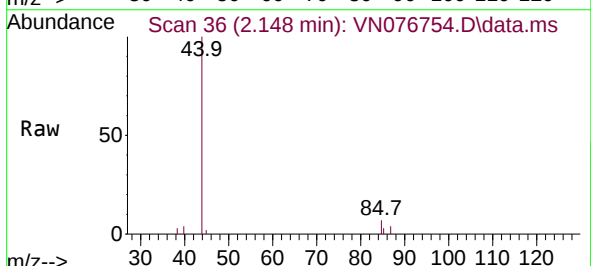
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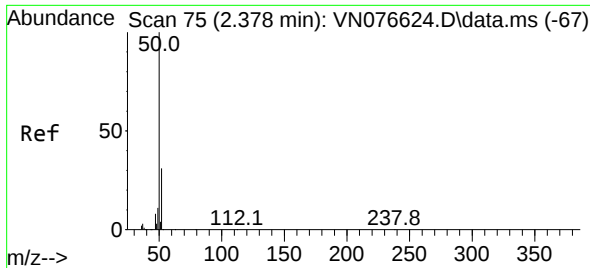
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#2
Dichlorodifluoromethane
Concen: 0.484 ug/l
RT: 2.148 min Scan# 36
Delta R.T. 0.011 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

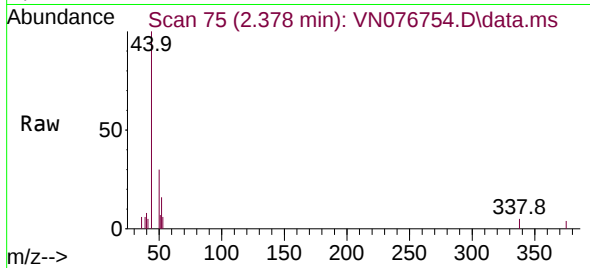
Tgt Ion: 85 Resp: 1196
Ion Ratio Lower Upper
85 100
87 34.7 17.4 52.2





#3
Chloromethane
Concen: 0.537 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

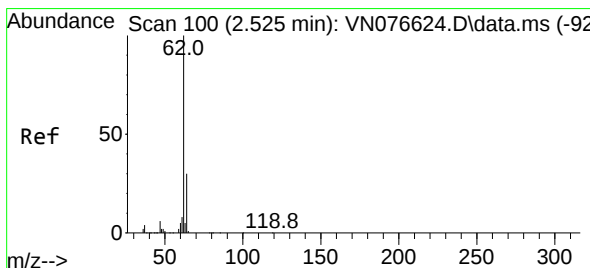
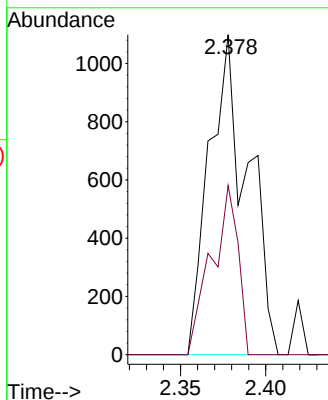
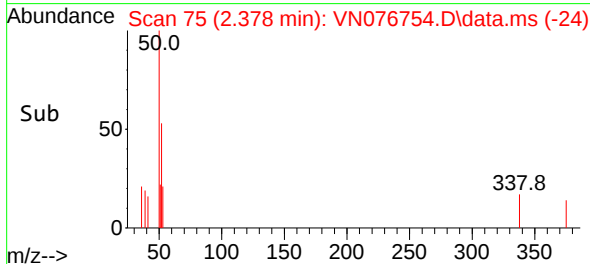
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Tgt Ion: 50 Resp: 173
Ion Ratio Lower Upper
50 100
52 52.9 24.7 37.1

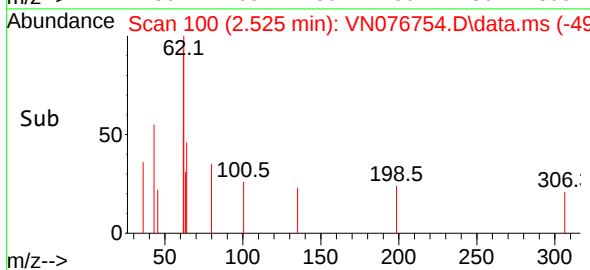
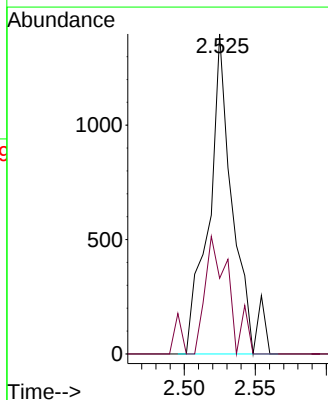
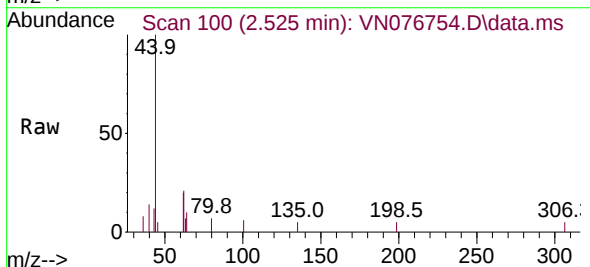
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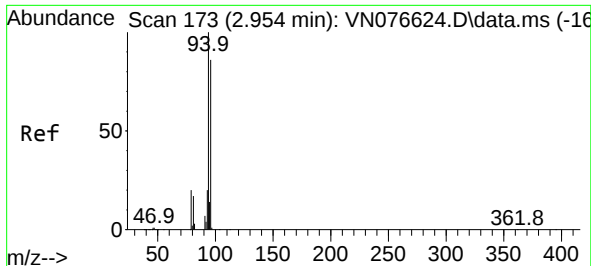
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#4
Vinyl Chloride
Concen: 0.520 ug/l
RT: 2.525 min Scan# 100
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

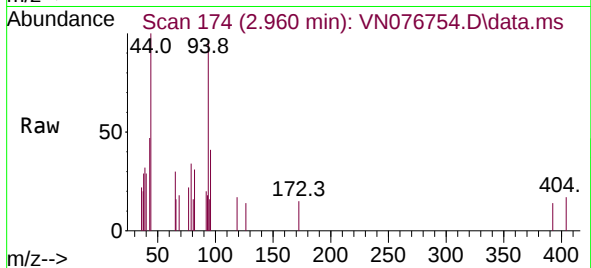
Tgt Ion: 62 Resp: 1650
Ion Ratio Lower Upper
62 100
64 23.7 23.9 35.9





#5
Bromomethane
Concen: 0.643 ug/l m
RT: 2.960 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

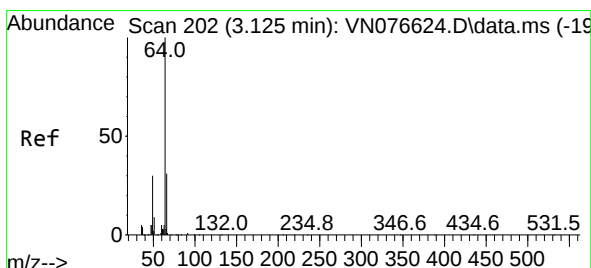
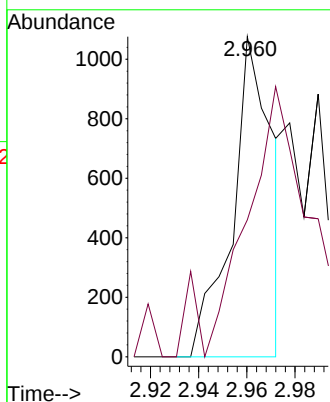
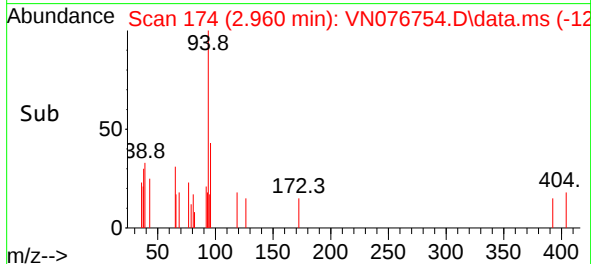
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Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 42.8 69.0 103.4

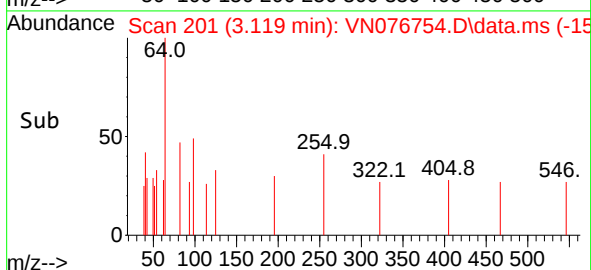
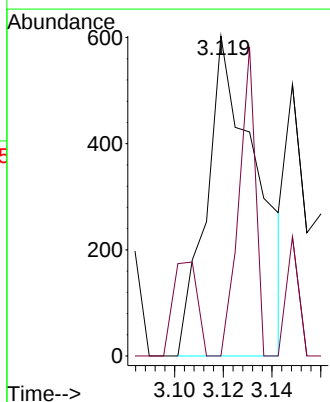
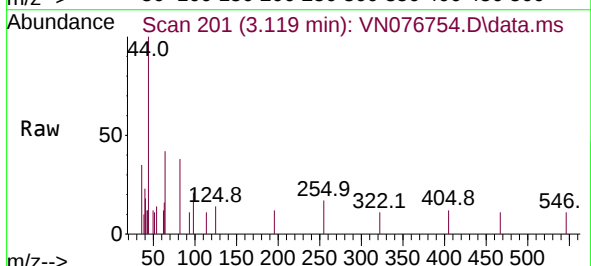
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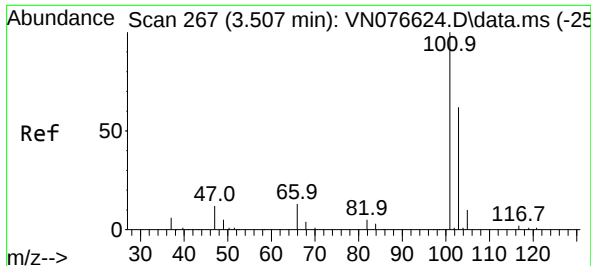
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#6
Chloroethane
Concen: 0.432 ug/l
RT: 3.119 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

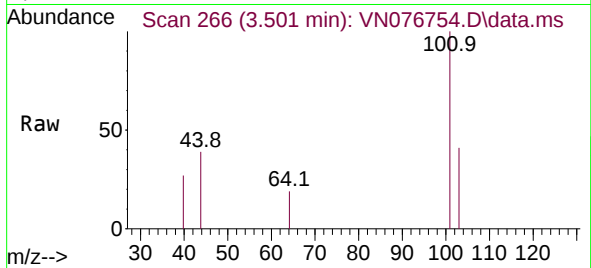
Tgt Ion: 64 Resp: 867
Ion Ratio Lower Upper
64 100
66 0.0 24.6 37.0





#7
 Trichlorofluoromethane
 Concen: 0.486 ug/l
 RT: 3.501 min Scan# 210
 Delta R.T. -0.006 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

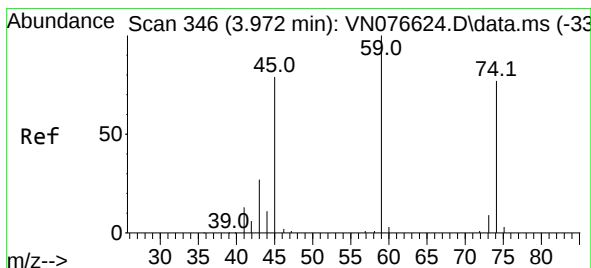
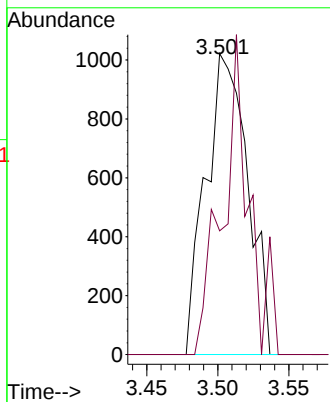
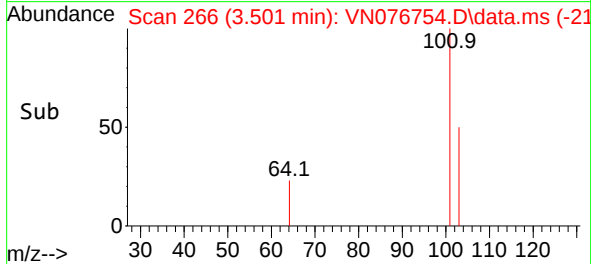
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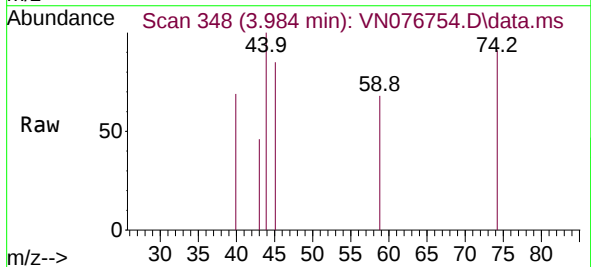
Tgt Ion:101 Resp: 210
 Ion Ratio Lower Upper
 101 100
 103 41.1 49.4 74.2

Manual Integrations
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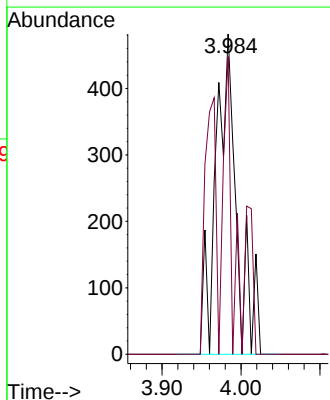
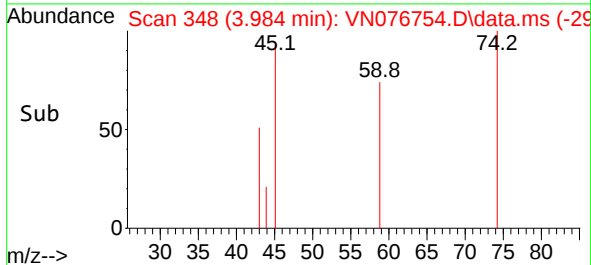
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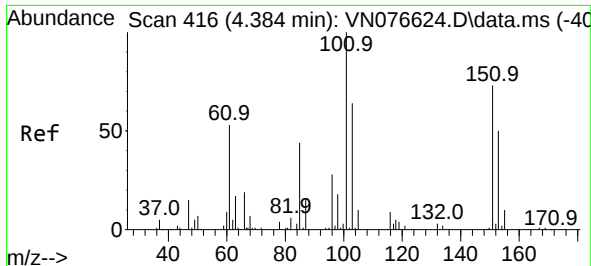


#8
 Diethyl Ether
 Concen: 0.529 ug/l m
 RT: 3.984 min Scan# 348
 Delta R.T. 0.012 min
 Lab File: VN076754.D
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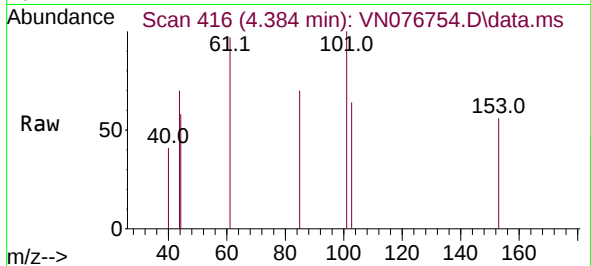
Tgt Ion: 74 Resp: 881
 Ion Ratio Lower Upper
 74 100
 45 17.7 51.3 153.9#





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.348 ug/l m
RT: 4.384 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

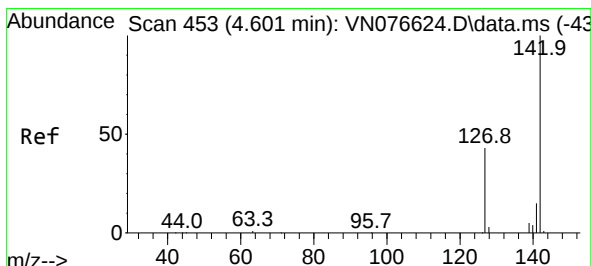
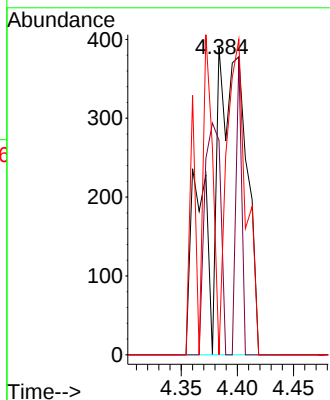
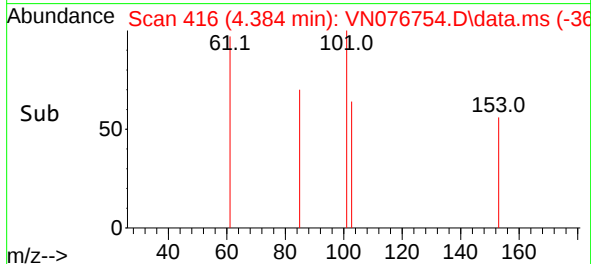
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



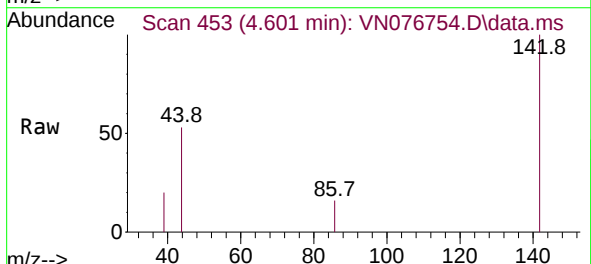
Tgt Ion:101 Resp: 88.1
Ion Ratio Lower Upper
101 100
85 32.6 37.4 56.0#
151 39.9 58.7 88.1#

Manual Integrations
APPROVED

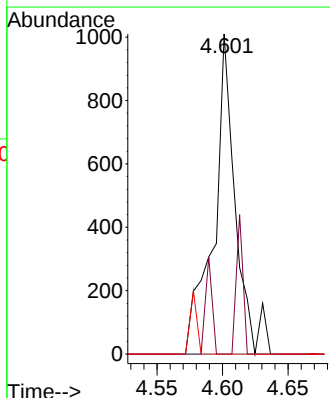
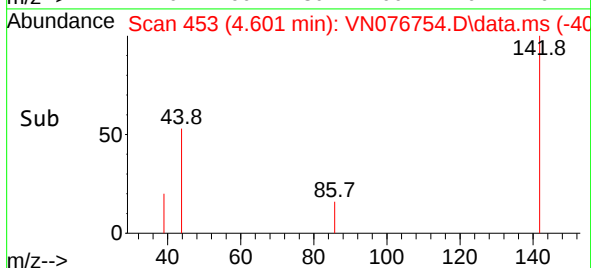
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

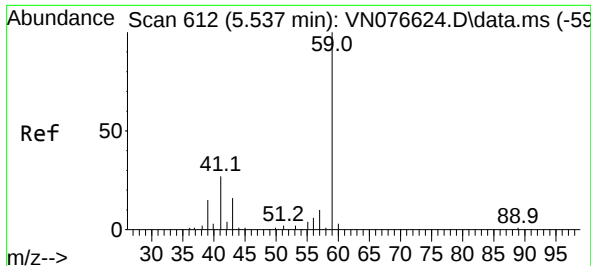


#10
Methyl Iodide
Concen: 0.373 ug/l
RT: 4.601 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



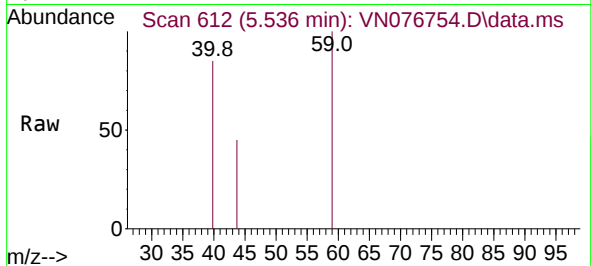
Tgt Ion:142 Resp: 1170
Ion Ratio Lower Upper
142 100
127 0.0 34.6 51.8#
141 0.0 11.7 17.5#





#11
Tert butyl alcohol
Concen: 1.862 ug/l
RT: 5.536 min Scan# 612
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

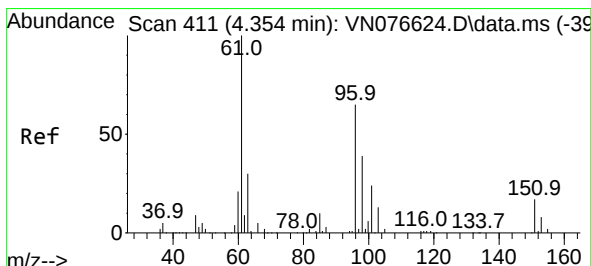
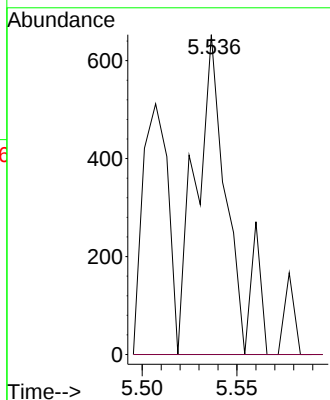
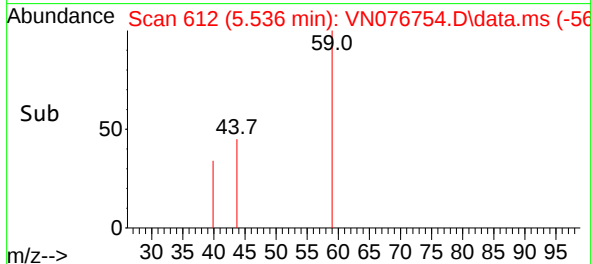
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



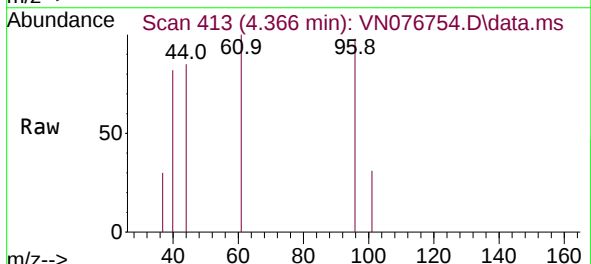
Tgt Ion: 59 Resp: 790
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

Manual Integrations
APPROVED

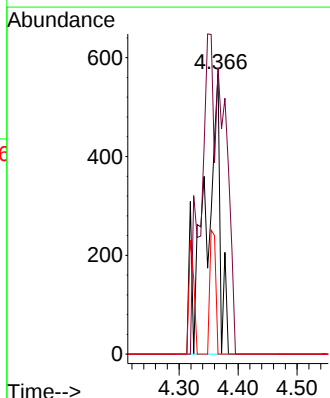
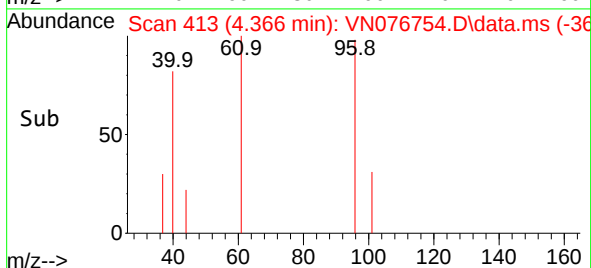
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

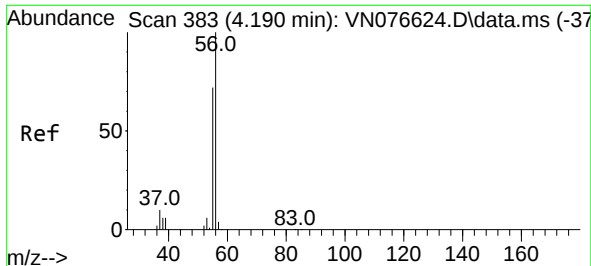


#12
1,1-Dichloroethene
Concen: 0.420 ug/l m
RT: 4.366 min Scan# 413
Delta R.T. 0.012 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



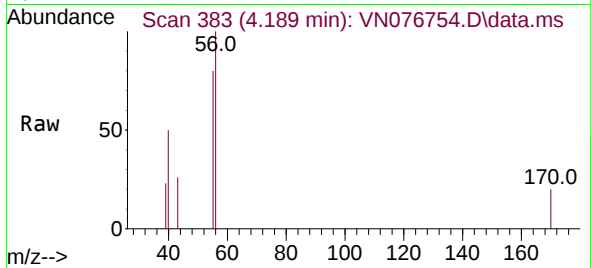
Tgt Ion: 96 Resp: 1009
Ion Ratio Lower Upper
96 100
61 101.9 123.8 185.6#
98 0.0 48.4 72.6#





#13
Acrolein
Concen: 3.116 ug/l
RT: 4.189 min Scan# 311
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

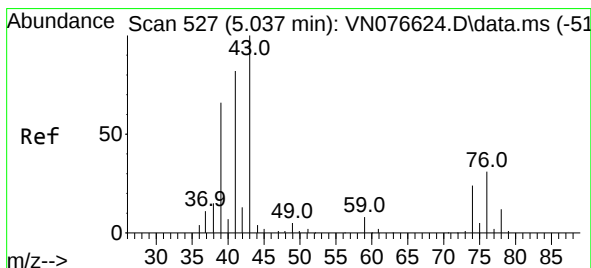
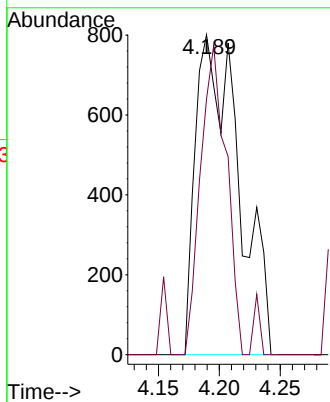
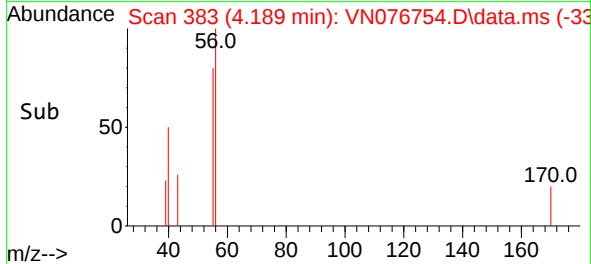
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 56 Resp: 1985
Ion Ratio Lower Upper
56 100
55 57.6 56.3 84.5

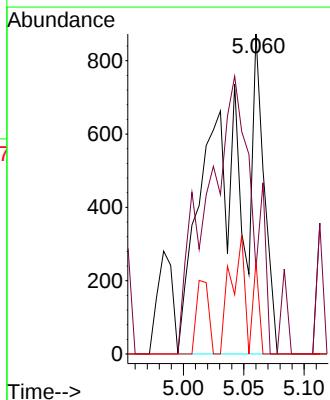
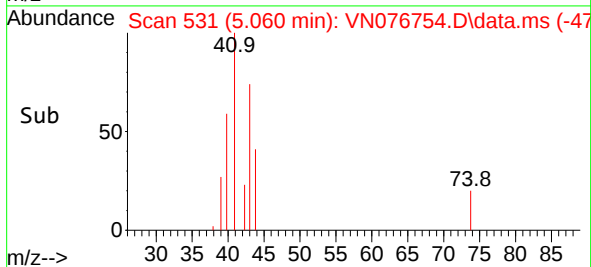
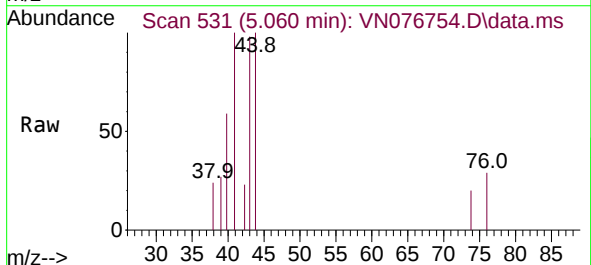
Manual Integrations
APPROVED

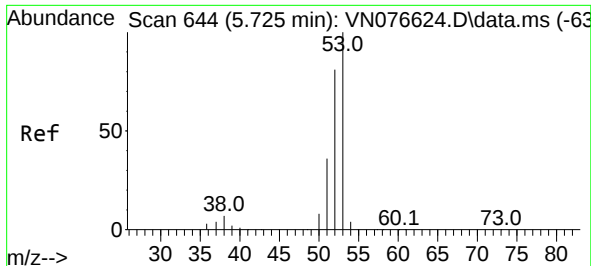
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#14
Allyl chloride
Concen: 0.506 ug/l m
RT: 5.060 min Scan# 531
Delta R.T. 0.023 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

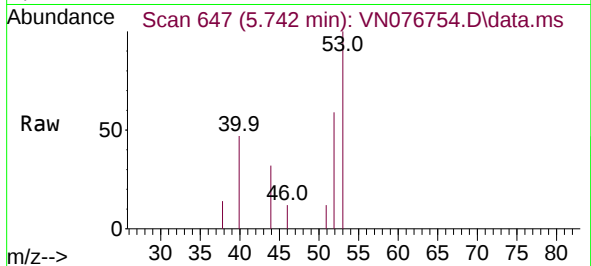
Tgt Ion: 41 Resp: 2106
Ion Ratio Lower Upper
41 100
39 94.1 62.3 93.5#
76 16.4 27.0 40.6#





#15
Acrylonitrile
Concen: 2.542 ug/l
RT: 5.742 min Scan# 644
Delta R.T. 0.017 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

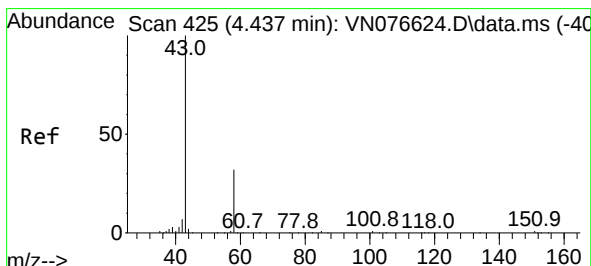
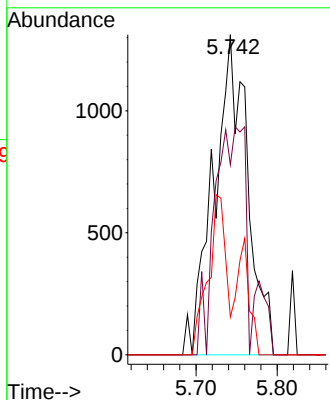
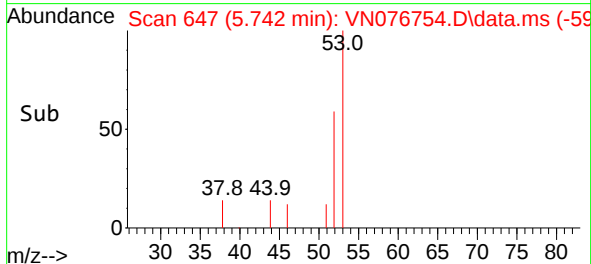
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



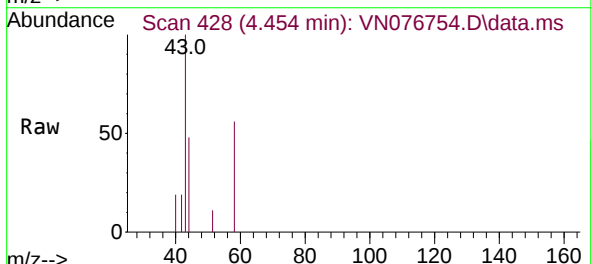
Tgt Ion: 53 Resp: 3828
Ion Ratio Lower Upper
53 100
52 65.2 65.3 97.9
51 0.0 29.2 43.8

Manual Integrations
APPROVED

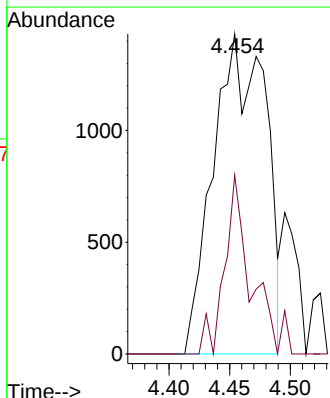
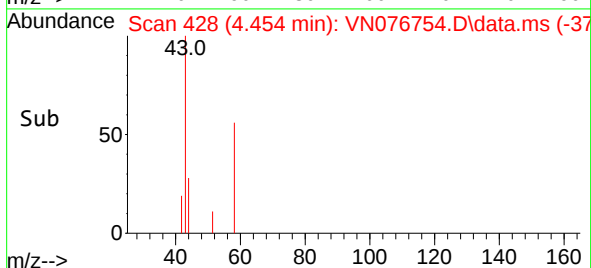
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

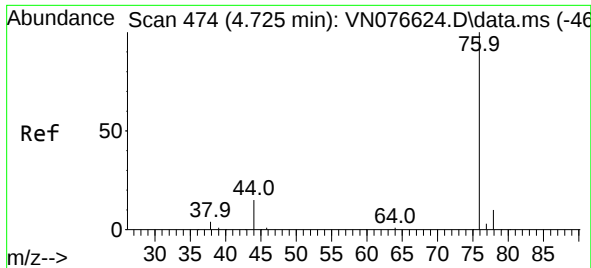


#16
Acetone
Concen: 2.999 ug/l m
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



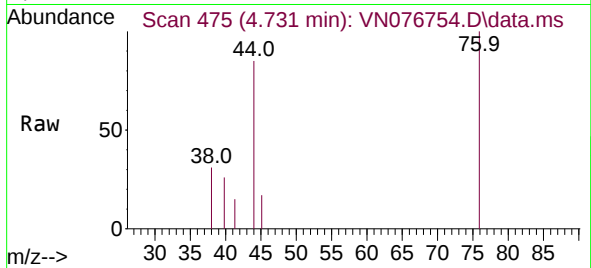
Tgt Ion: 43 Resp: 4307
Ion Ratio Lower Upper
43 100
58 55.9 25.9 38.9





#17
Carbon Disulfide
Concen: 0.423 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

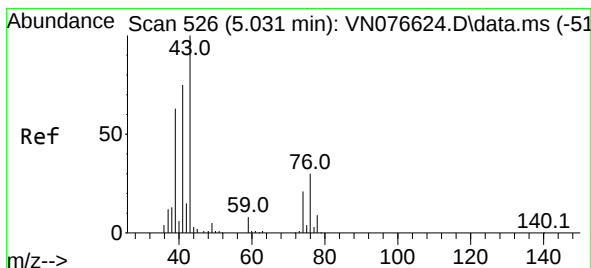
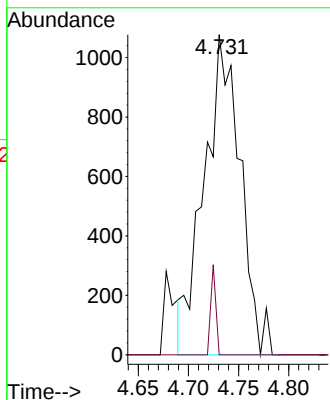
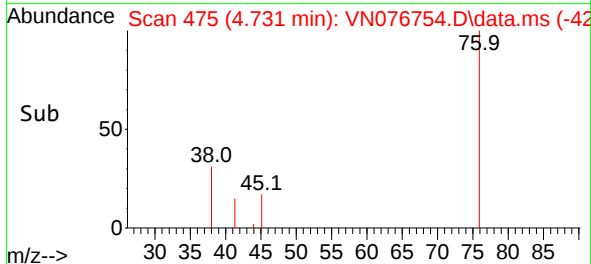
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 76 Resp: 2685
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8

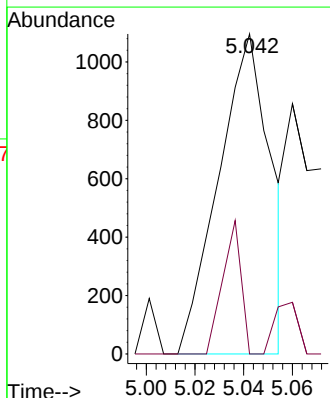
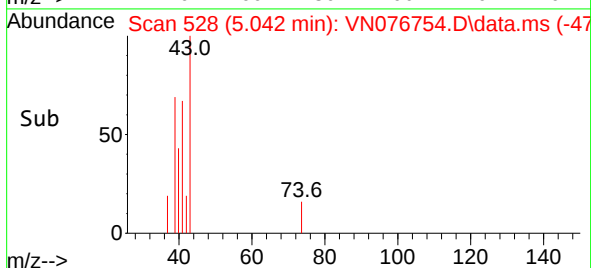
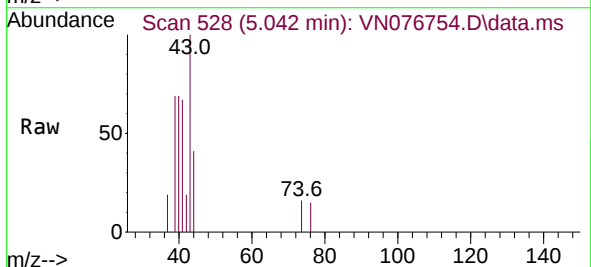
Manual Integrations
APPROVED

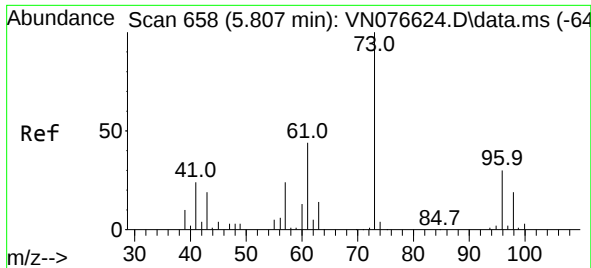
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#18
Methyl Acetate
Concen: 0.345 ug/l
RT: 5.042 min Scan# 528
Delta R.T. 0.011 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
74 15.0 17.7 26.5





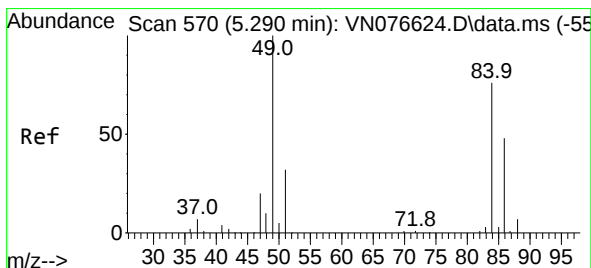
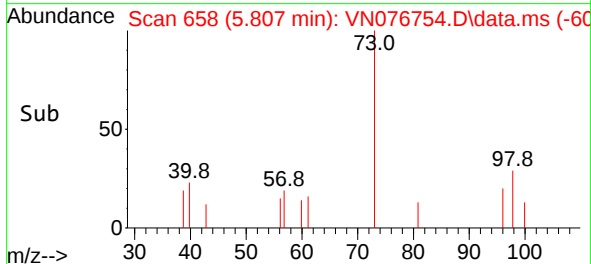
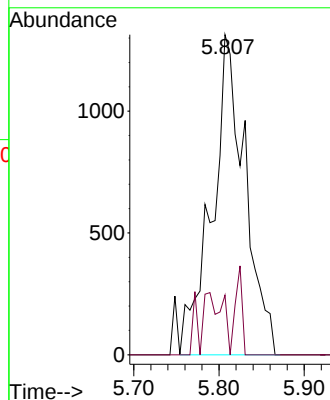
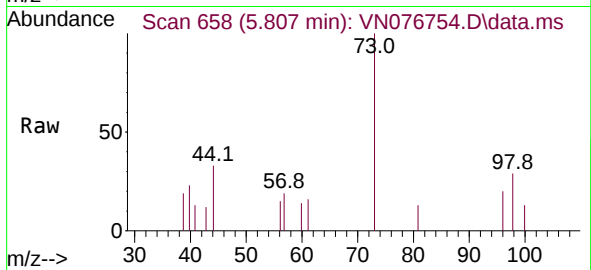
#19
Methyl tert-butyl Ether
Concen: 0.436 ug/l
RT: 5.807 min Scan# 610
Delta R.T. 0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion: 73 Resp: 3530
Ion Ratio Lower Upper
73 100
57 18.6 19.0 28.4

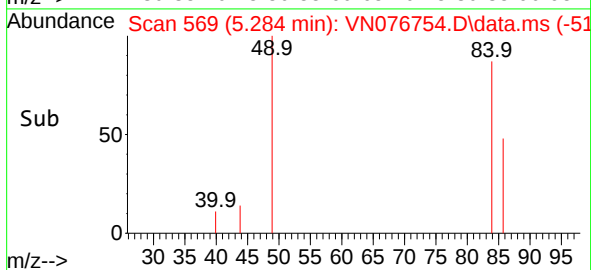
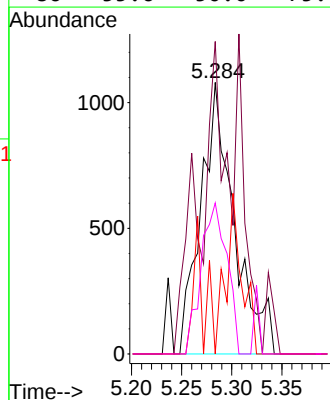
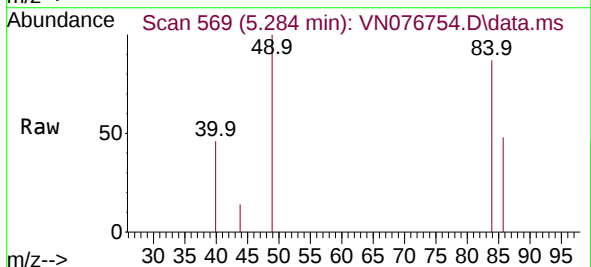
Manual Integrations
APPROVED

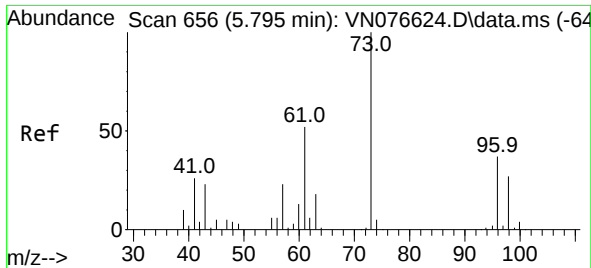
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#20
Methylene Chloride
Concen: 0.835 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

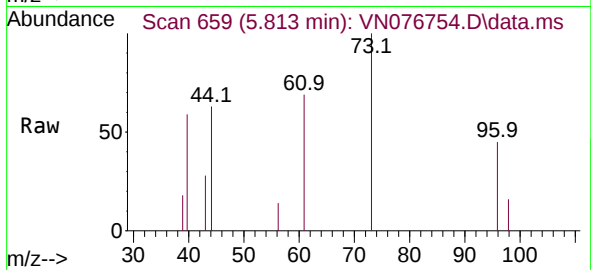
Tgt Ion: 84 Resp: 2512
Ion Ratio Lower Upper
84 100
49 115.1 104.9 157.3
51 0.0 33.8 50.8
86 55.6 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 0.363 ug/l m
RT: 5.813 min Scan# 610
Delta R.T. 0.018 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

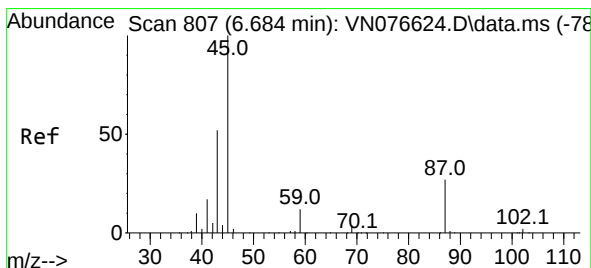
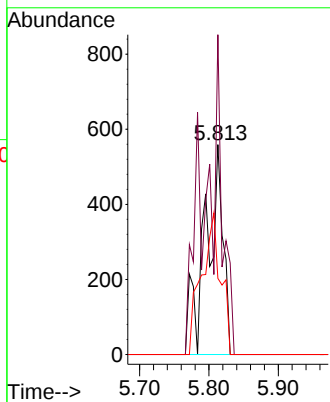
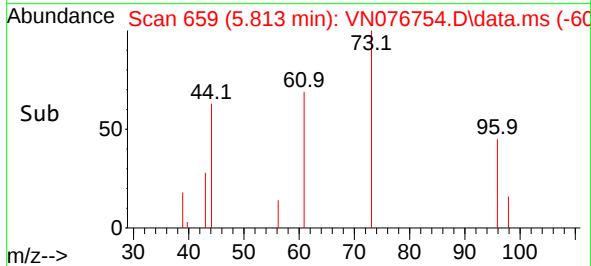
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



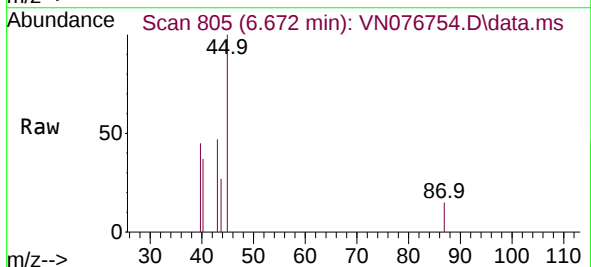
Tgt Ion: 96 Resp: 982
Ion Ratio Lower Upper
96 100
61 152.4 113.9 170.9
98 36.3 59.4 89.0

Manual Integrations
APPROVED

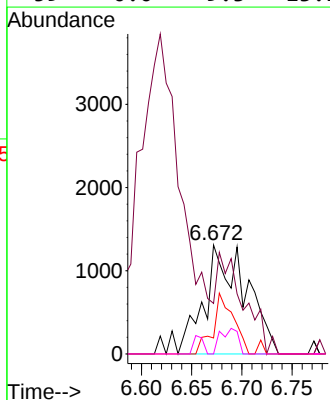
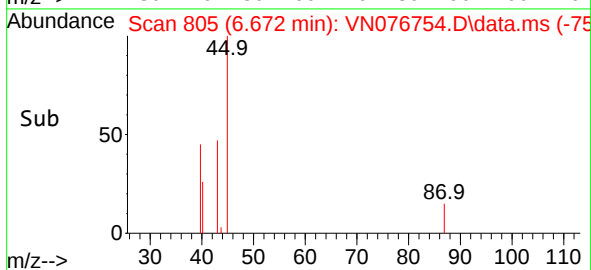
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

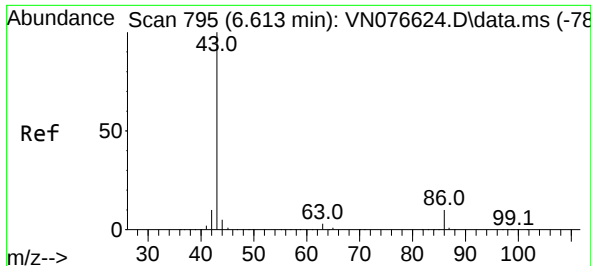


#22
Diisopropyl ether
Concen: 0.386 ug/l m
RT: 6.672 min Scan# 805
Delta R.T. -0.012 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion: 45 Resp: 3774
Ion Ratio Lower Upper
45 100
43 46.5 41.8 62.6
87 14.7 21.8 32.8#
59 0.0 9.3 13.9#





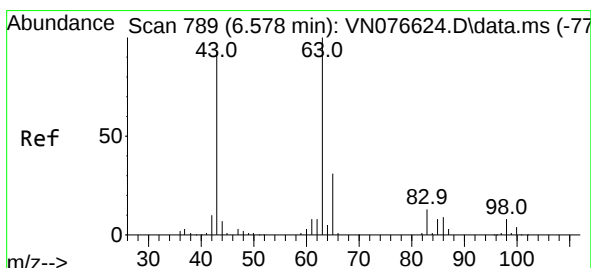
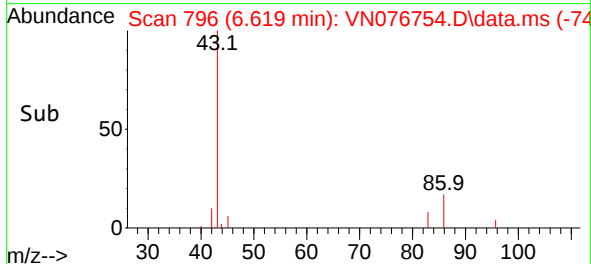
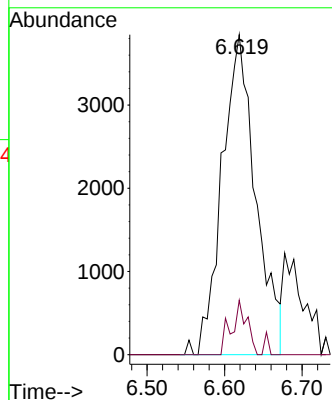
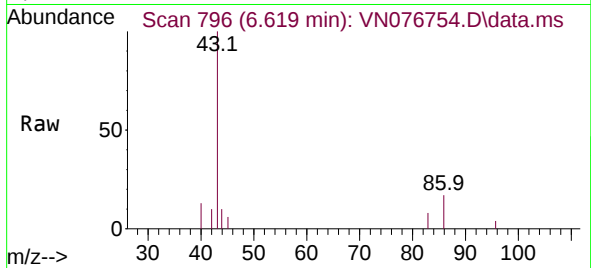
#23
 Vinyl Acetate
 Concen: 2.010 ug/l
 RT: 6.619 min Scan# 795
 Delta R.T. 0.006 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

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

Tgt Ion: 43 Resp: 1161
 Ion Ratio Lower Upper
 43 100
 86 17.0 8.2 12.2

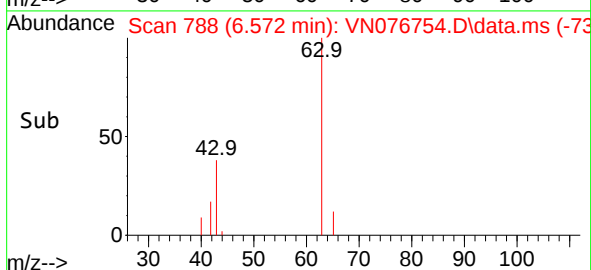
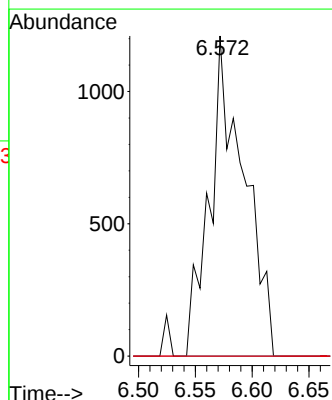
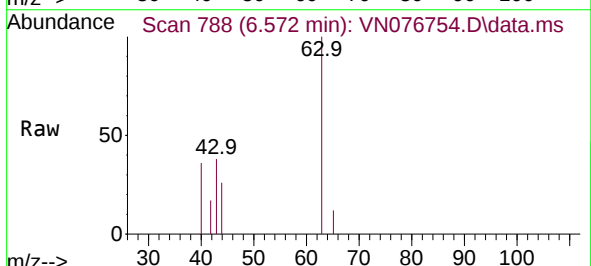
Manual Integrations
 APPROVED

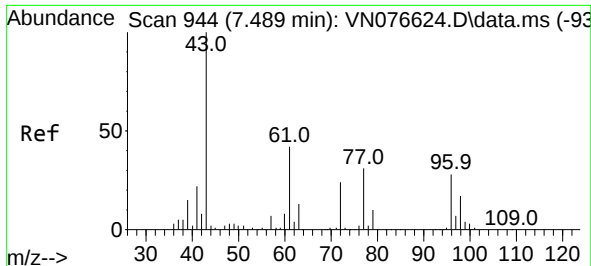
Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023



#24
 1,1-Dichloroethane
 Concen: 0.476 ug/l
 RT: 6.572 min Scan# 788
 Delta R.T. -0.006 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

Tgt Ion: 63 Resp: 2548
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.1 12.3#
 100 0.0 2.0 5.8#





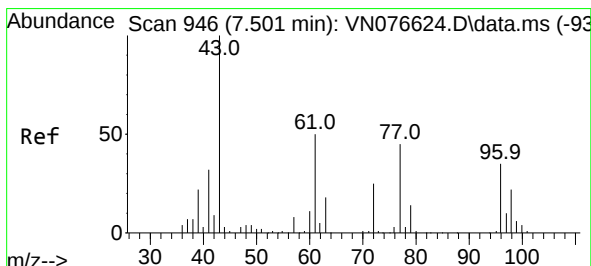
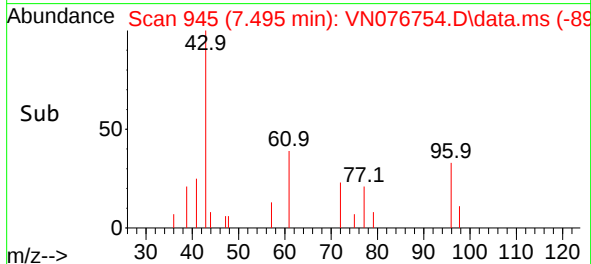
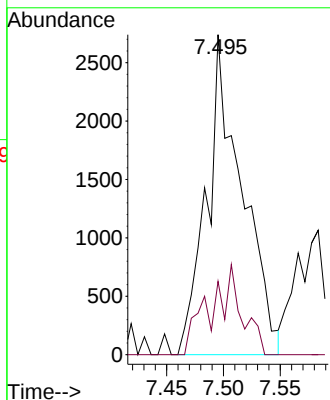
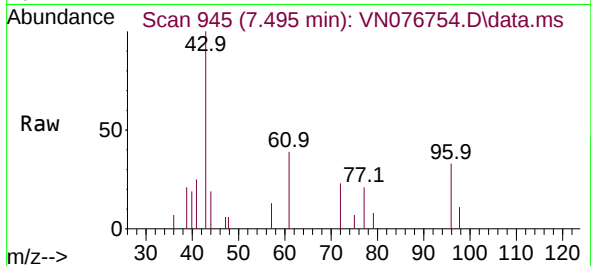
#25
2-Butanone
Concen: 2.793 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion: 43 Resp: 5910
Ion Ratio Lower Upper
43 100
72 22.9 19.4 29.2

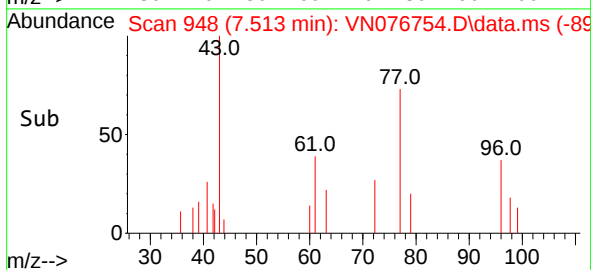
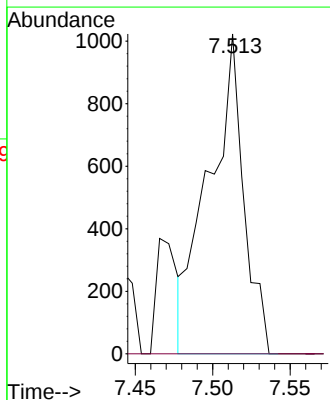
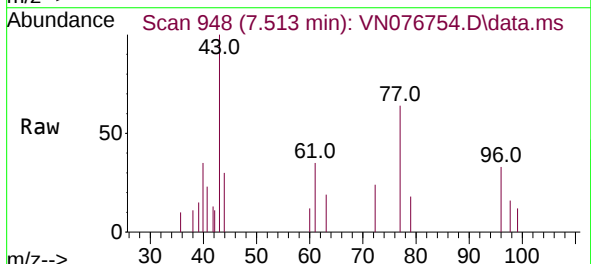
Manual Integrations
APPROVED

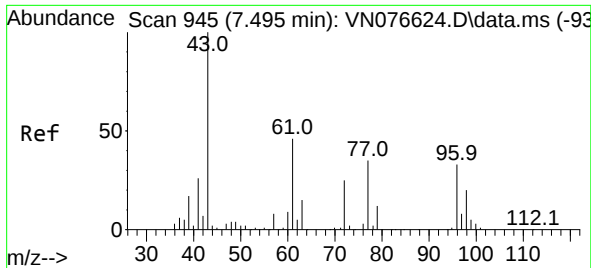
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#26
2,2-Dichloropropane
Concen: 0.414 ug/l
RT: 7.513 min Scan# 948
Delta R.T. 0.012 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

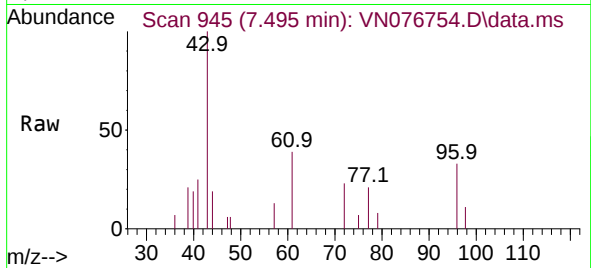
Tgt Ion: 77 Resp: 1598
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.7#





#27
 cis-1,2-Dichloroethene
 Concen: 0.437 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

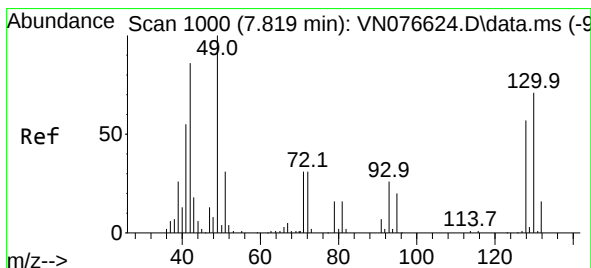
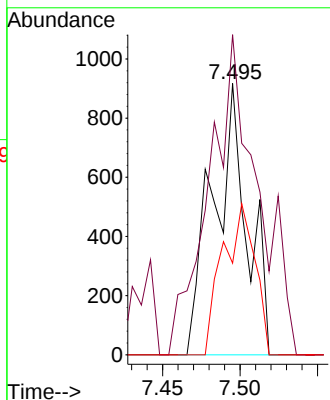
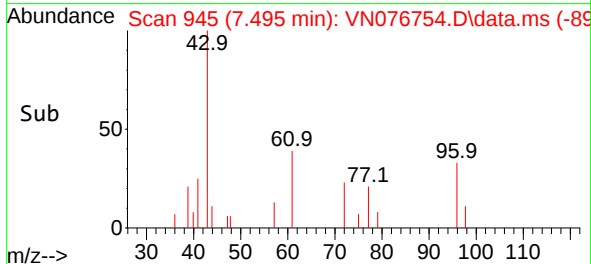
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 96 Resp: 1402
 Ion Ratio Lower Upper
 96 100
 61 168.2 0.0 286.8
 98 52.6 0.0 124.0

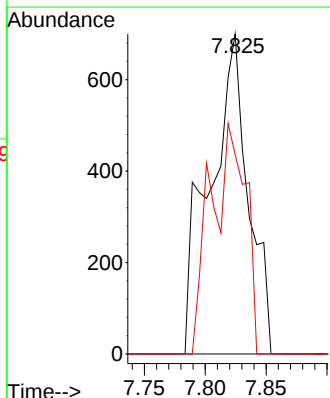
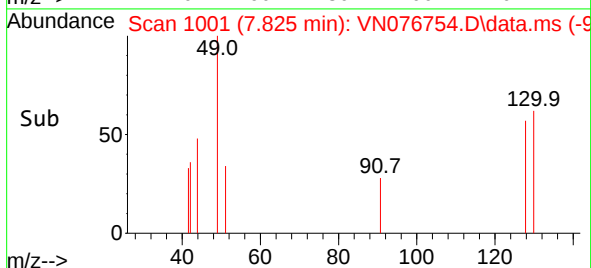
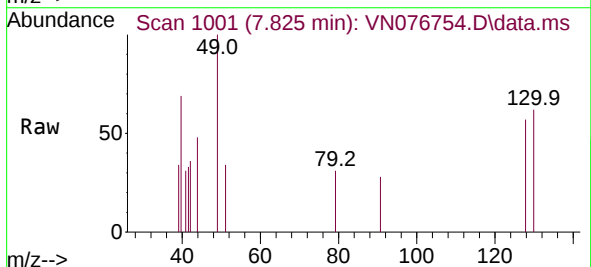
Manual Integrations
 APPROVED

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



#28
 Bromochloromethane
 Concen: 0.607 ug/l
 RT: 7.825 min Scan# 1001
 Delta R.T. 0.006 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

Tgt Ion: 49 Resp: 1547
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 65.2 57.8 86.8





#29

Tetrahydrofuran

Concen: 2.225 ug/l

RT: 7.866 min Scan# 1008

Delta R.T. 0.024 min

Lab File: VN076754.D

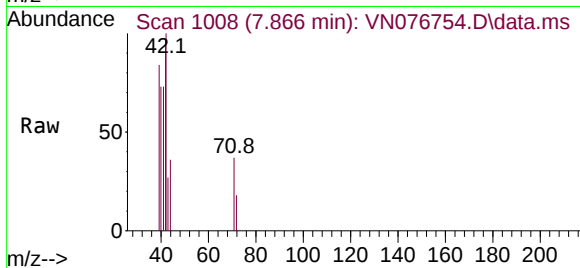
Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023



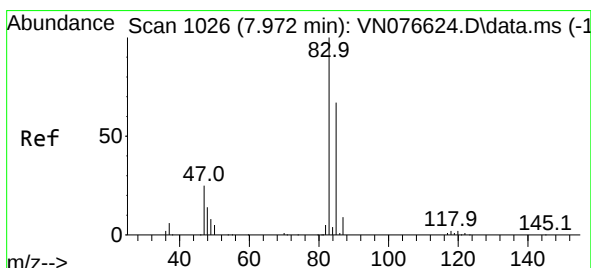
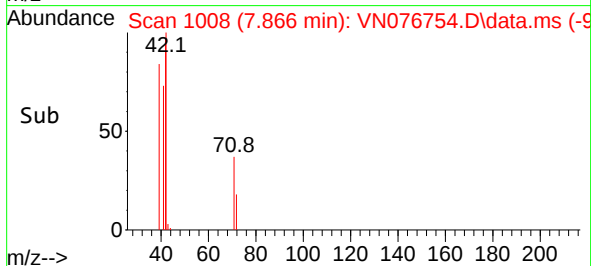
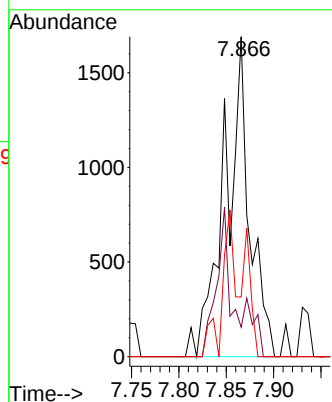
Tgt Ion:	42	Resp:	3079
Ion Ratio	100	Lower	Upper
42	100		
72	26.5	31.5	47.3
71	26.5	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#30

Chloroform

Concen: 0.520 ug/l

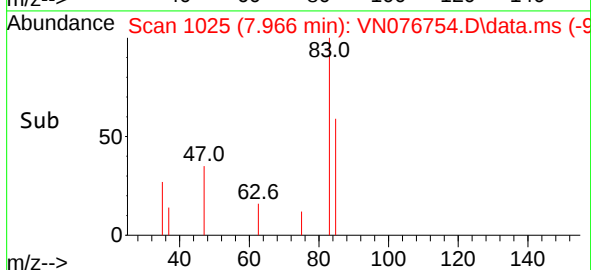
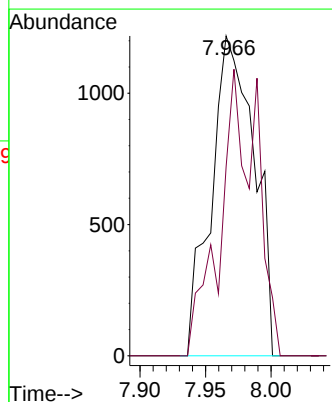
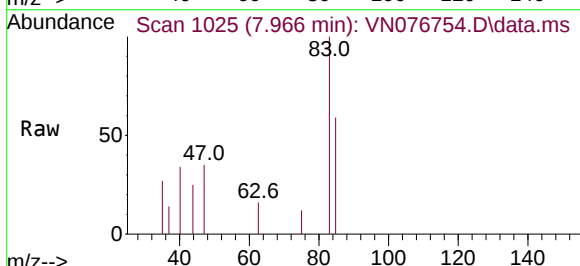
RT: 7.966 min Scan# 1025

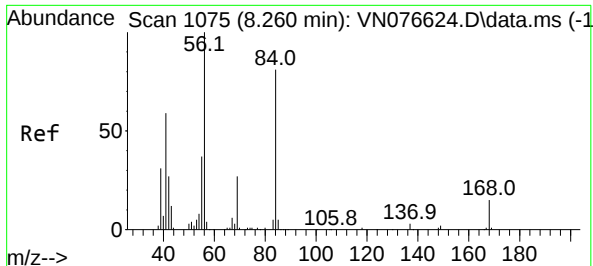
Delta R.T. -0.006 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

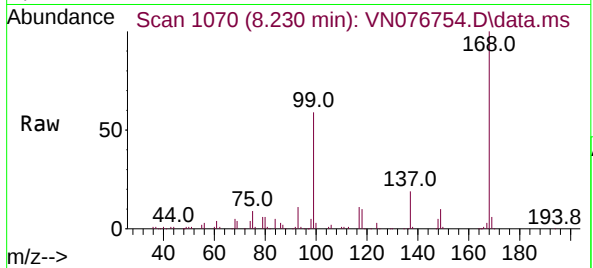
Tgt Ion:	83	Resp:	2781
Ion Ratio	100	Lower	Upper
83	100		
85	59.1	53.5	80.3





#31
Cyclohexane
Concen: 1.753 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

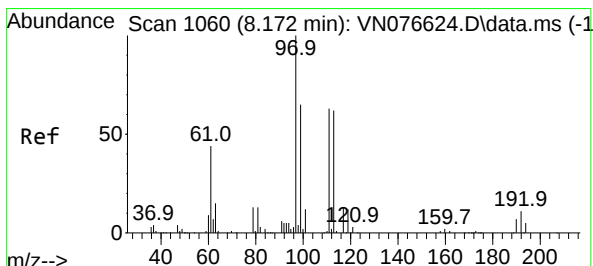
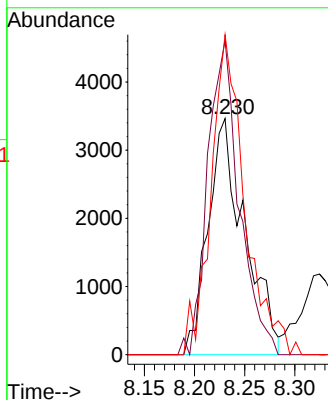
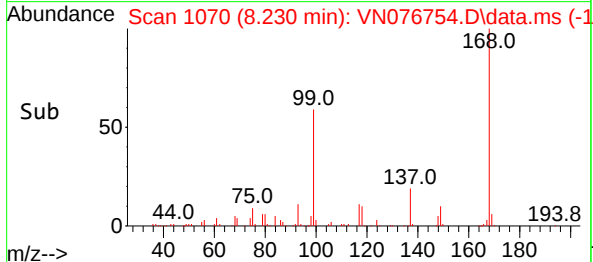
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



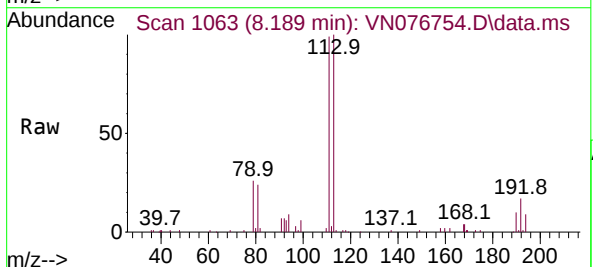
Tgt Ion: 56 Resp: 8838
Ion Ratio Lower Upper
56 100
69 133.0 21.6 32.4
84 135.5 65.1 97.7

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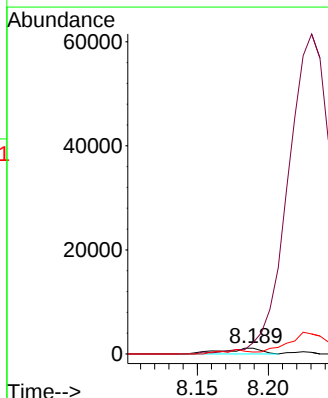
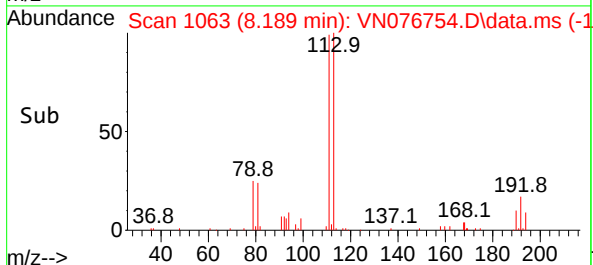
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

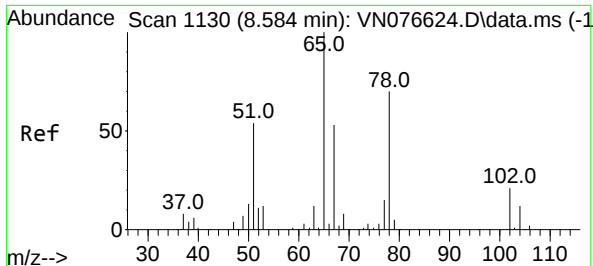


#32
1,1,1-Trichloroethane
Concen: 0.466 ug/l
RT: 8.189 min Scan# 1063
Delta R.T. 0.017 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion: 97 Resp: 2096
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8
61 48.9 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 60.587 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 65 Resp: 19478

Ion Ratio Lower Upper

65 100

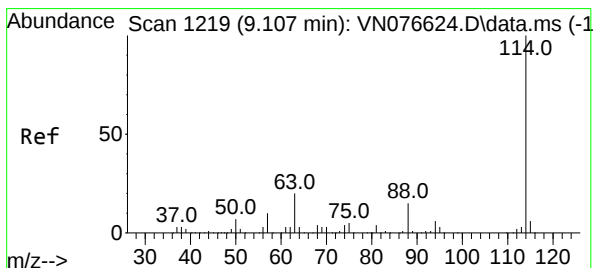
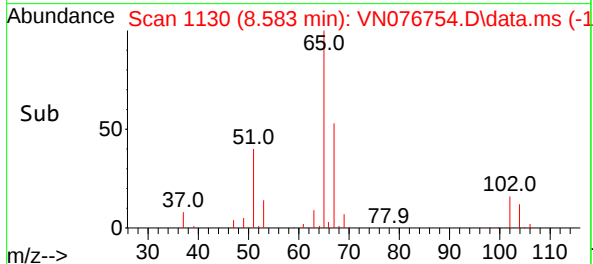
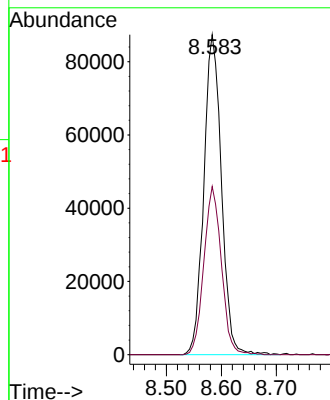
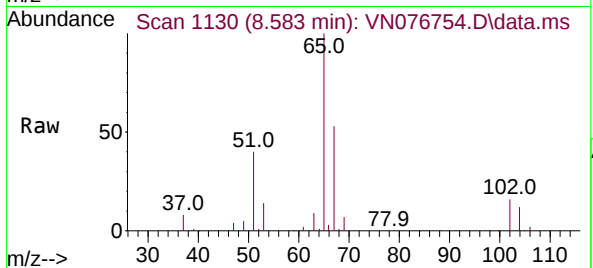
67 52.2 0.0 105.6

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: VN076754.D

Acq: 21 Feb 2023 16:49

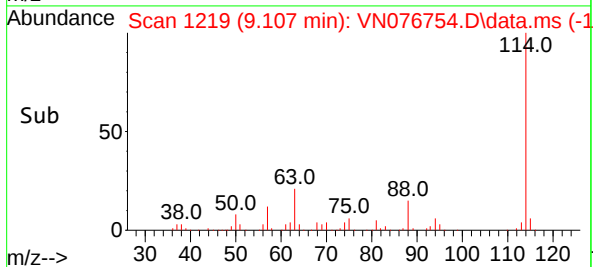
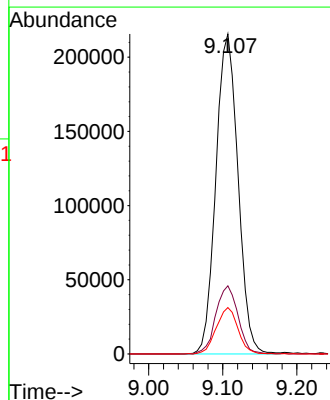
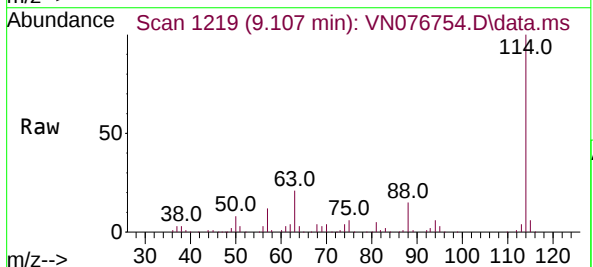
Tgt Ion:114 Resp: 447439

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

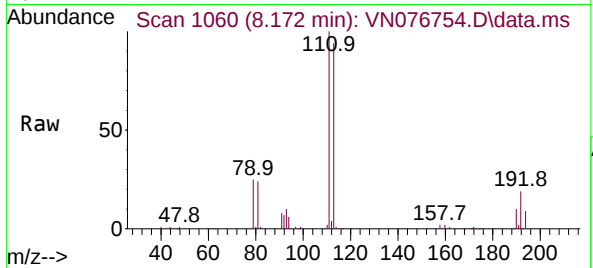
88 14.5 0.0 29.6





#35
Dibromofluoromethane
Concen: 50.353 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

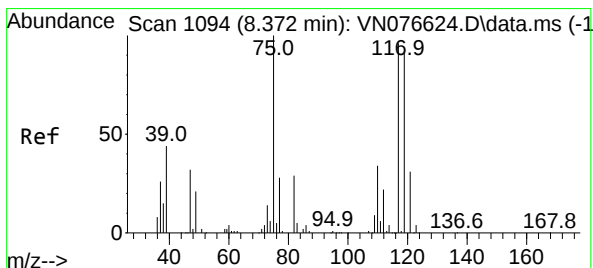
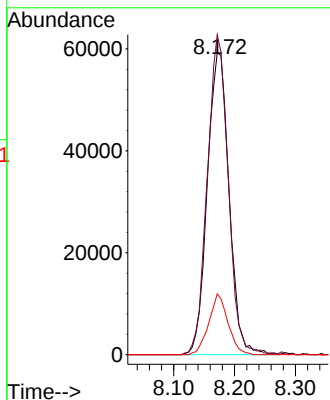
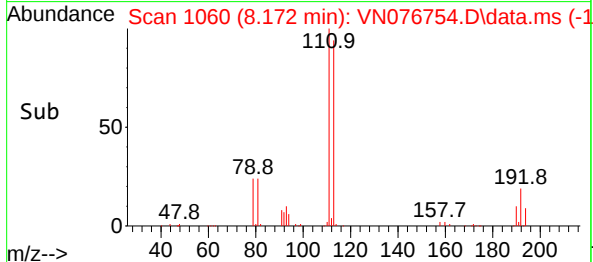
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 113 Resp: 147544
Ion Ratio Lower Upper
113 100
111 101.8 83.1 124.7
192 17.7 15.6 23.4

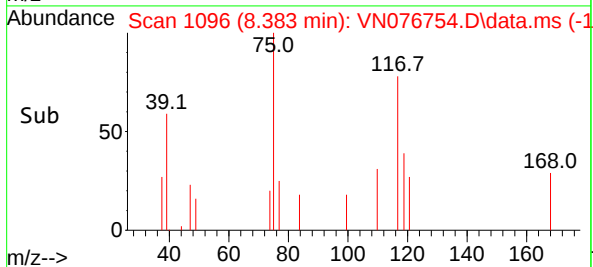
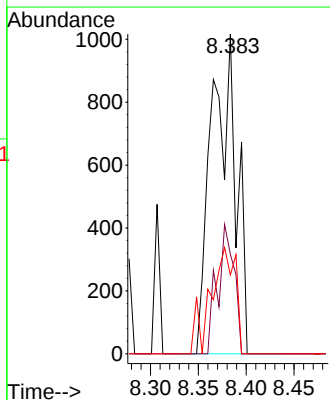
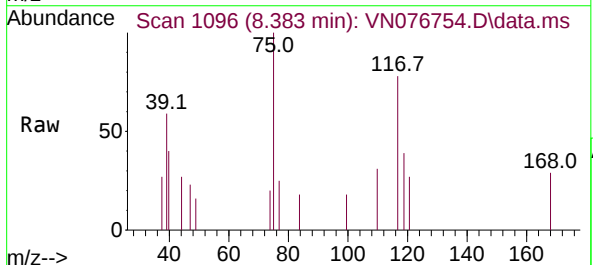
Manual Integrations
APPROVED

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



#36
1,1-Dichloropropene
Concen: 0.428 ug/l m
RT: 8.383 min Scan# 1096
Delta R.T. 0.011 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion: 75 Resp: 1813
Ion Ratio Lower Upper
75 100
110 27.1 17.5 52.5
77 33.6 24.5 36.7





#37

Ethyl Acetate

Concen: 0.468 ug/l

RT: 7.583 min Scan# 90

Delta R.T. 0.017 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

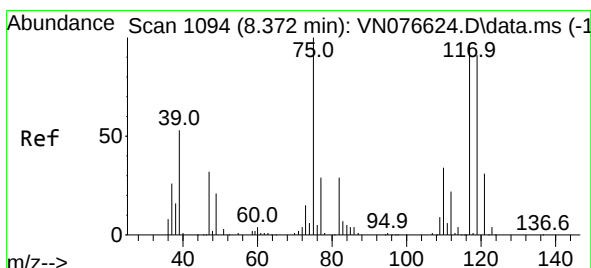
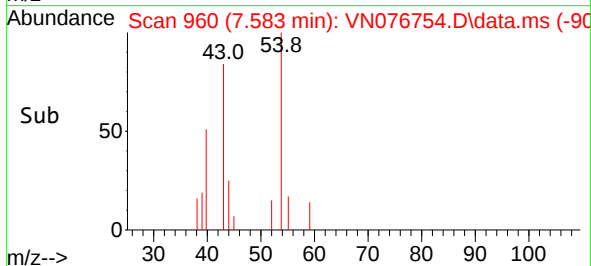
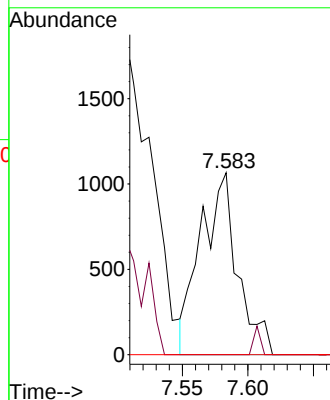
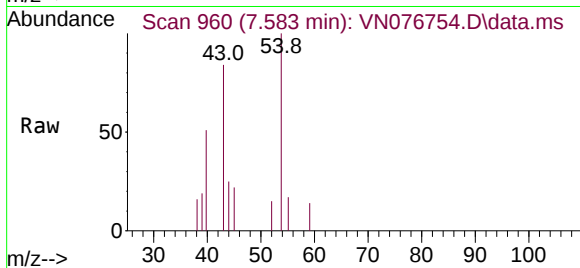
Tgt Ion: 43	Resp: 2084
Ion Ratio	Lower Upper
43 100	
61 0.0	9.9 14.9
70 0.0	7.8 11.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#38

Carbon Tetrachloride

Concen: 0.403 ug/l m

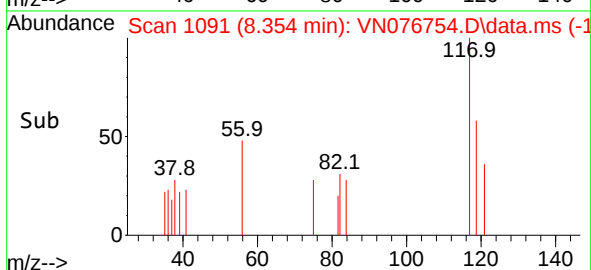
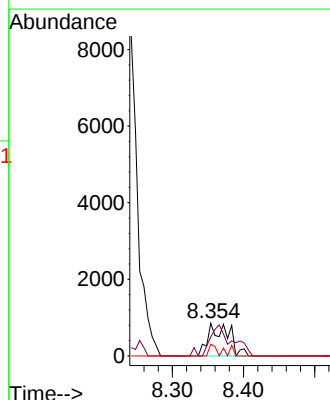
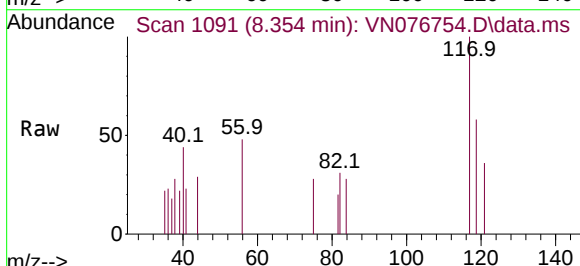
RT: 8.354 min Scan# 1091

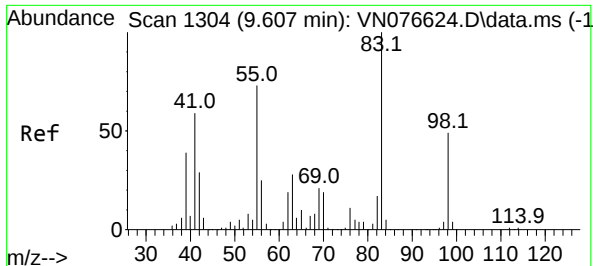
Delta R.T. -0.018 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Tgt Ion: 117	Resp: 1720
Ion Ratio	Lower Upper
117 100	
119 58.3	75.4 113.0
121 35.5	26.0 39.0





#39

Methylcyclohexane

Concen: 0.381 ug/l

RT: 9.601 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

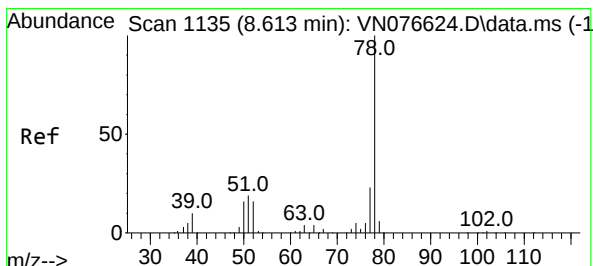
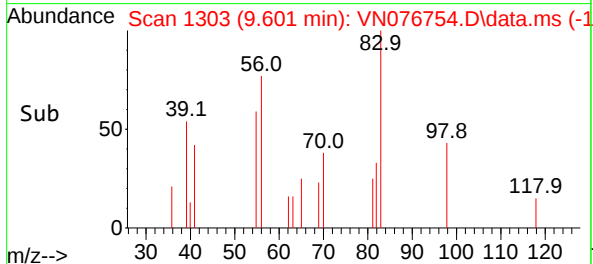
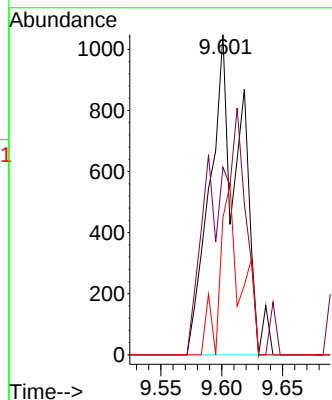
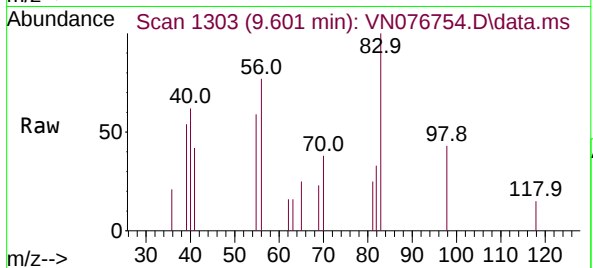
Tgt Ion: 83	Resp: 183
Ion Ratio	Lower Upper
83	100
55	58.6 58.6 88.0
98	42.8 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#40

Benzene

Concen: 0.464 ug/l

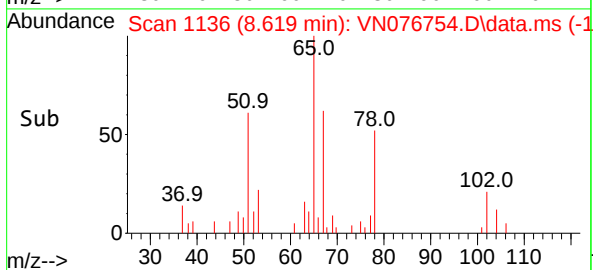
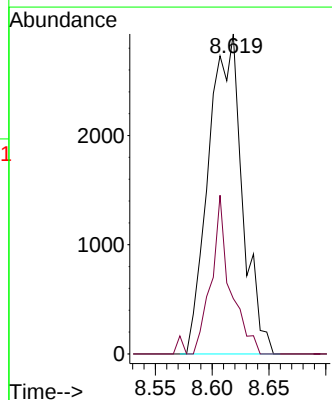
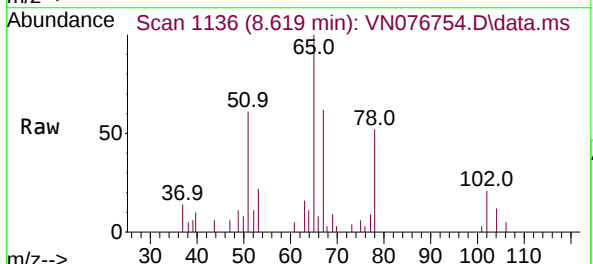
RT: 8.619 min Scan# 1136

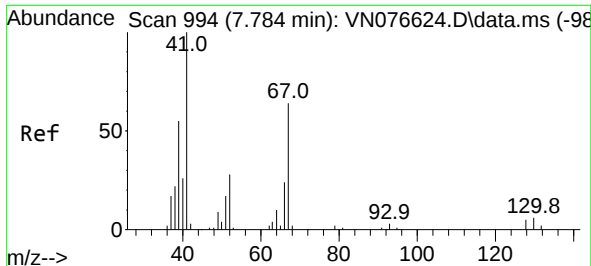
Delta R.T. 0.006 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

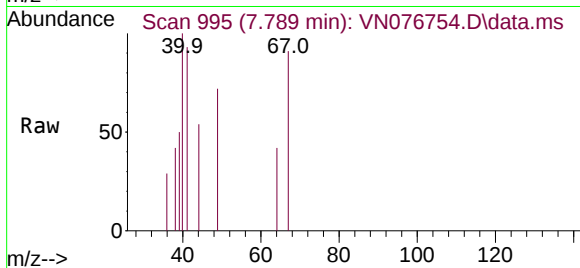
Tgt Ion: 78	Resp: 6037
Ion Ratio	Lower Upper
78	100
77	17.3 18.2 27.4





#41
Methacrylonitrile
Concen: 0.362 ug/l
RT: 7.789 min Scan# 994
Delta R.T. 0.005 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

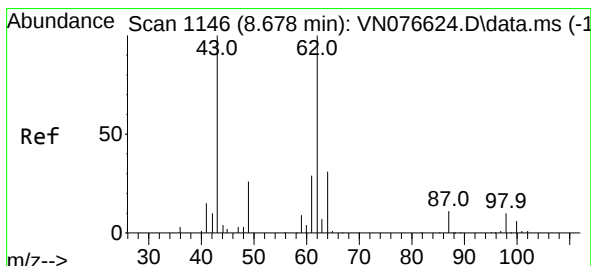
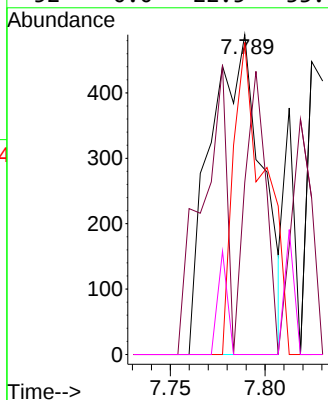
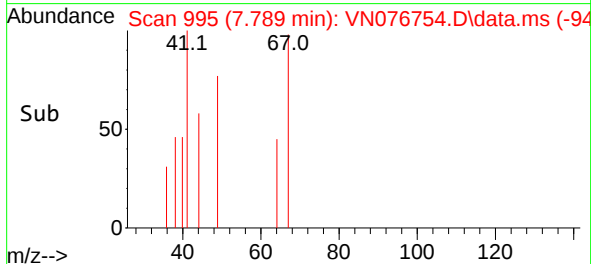
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 41 Resp: 93
Ion Ratio Lower Upper
41 100
39 35.8 42.6 63.8
67 59.5 51.4 77.0
52 0.0 22.5 33.7#

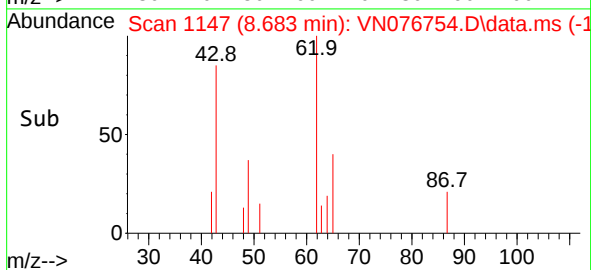
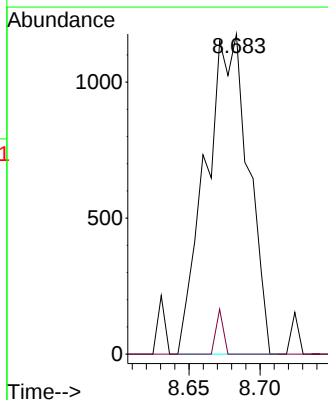
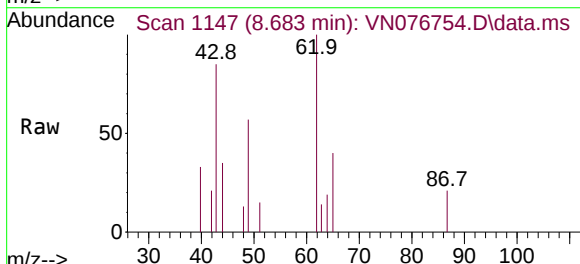
Manual Integrations
APPROVED

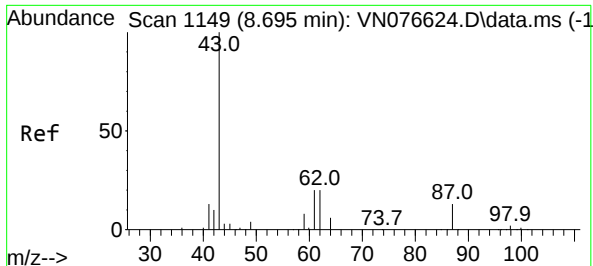
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#42
1,2-Dichloroethane
Concen: 0.544 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

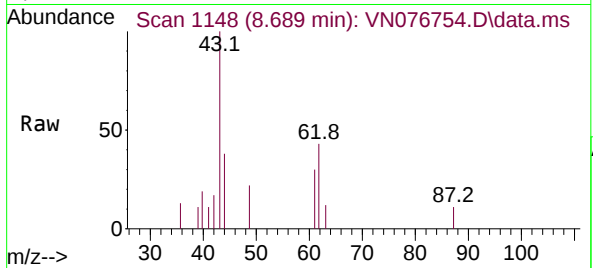
Tgt Ion: 62 Resp: 2467
Ion Ratio Lower Upper
62 100
98 2.4 0.0 19.2





#43
Isopropyl Acetate
Concen: 0.423 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

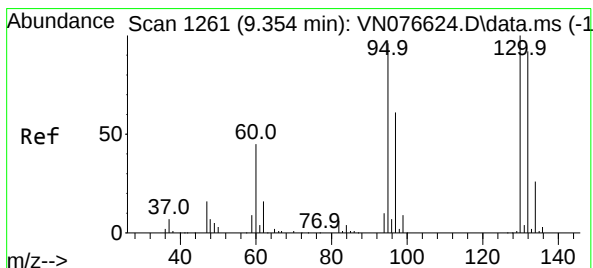
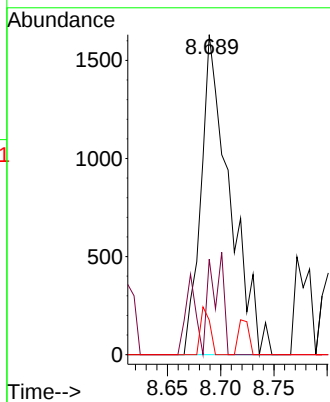
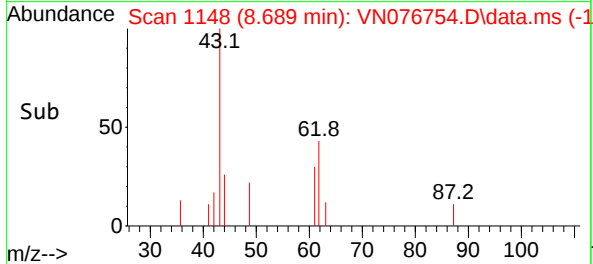
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 43 Resp: 306
Ion Ratio Lower Upper
43 100
61 8.9 20.0 30.0
87 4.8 9.9 14.9

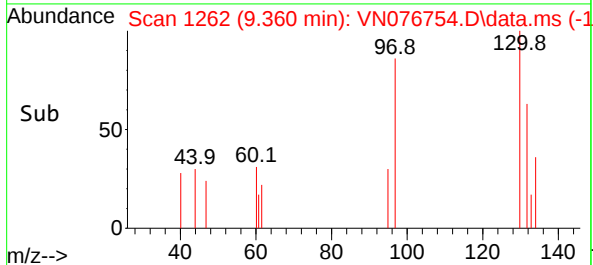
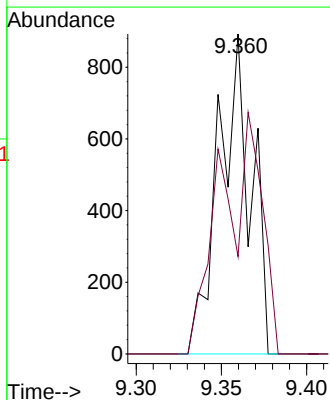
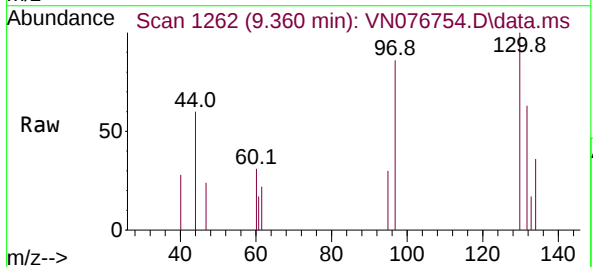
Manual Integrations
APPROVED

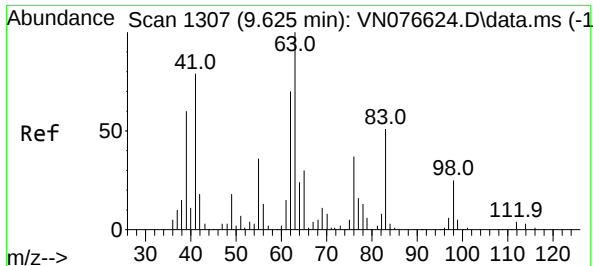
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#44
Trichloroethene
Concen: 0.383 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion:130 Resp: 1176
Ion Ratio Lower Upper
130 100
95 30.5 0.0 191.4





#45

1,2-Dichloropropane

Concen: 0.538 ug/l

RT: 9.630 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 63 Resp: 1850

Ion Ratio Lower Upper

63 100

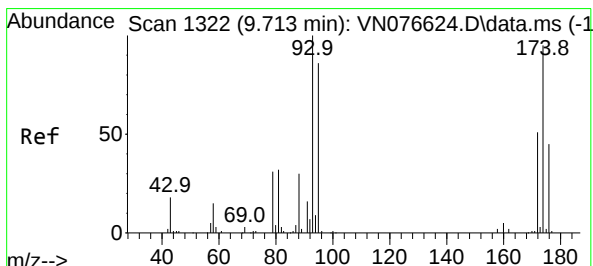
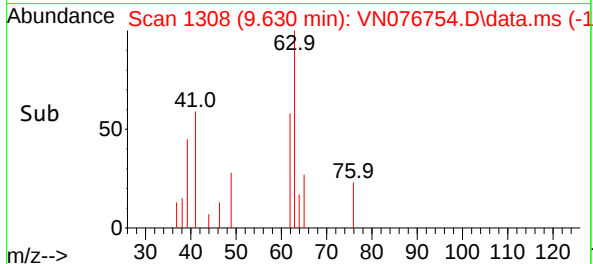
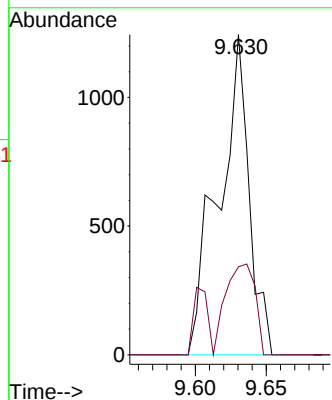
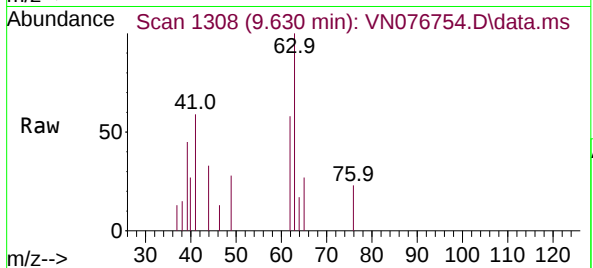
65 27.5 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#46

Dibromomethane

Concen: 0.298 ug/l m

RT: 9.701 min Scan# 1320

Delta R.T. -0.012 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

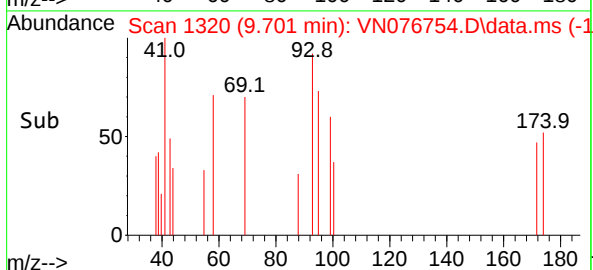
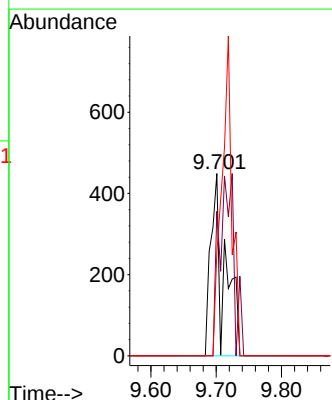
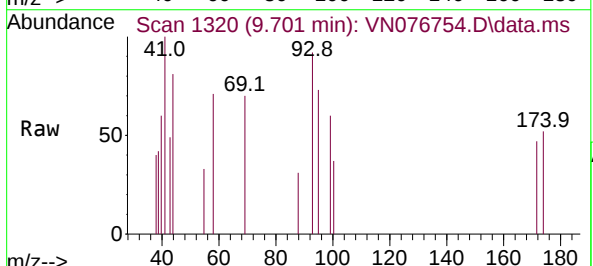
Tgt Ion: 93 Resp: 656

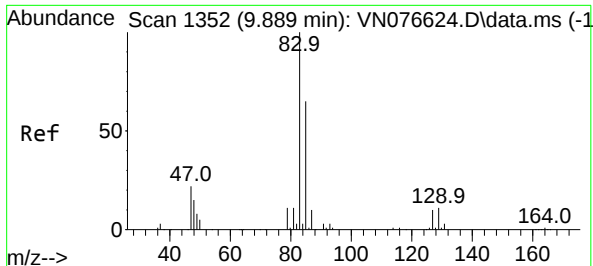
Ion Ratio Lower Upper

93 100

95 0.0 66.0 99.0#

174 0.0 75.8 113.8#





#47

Bromodichloromethane

Concen: 0.480 ug/l

RT: 9.901 min Scan# 1354

Delta R.T. 0.012 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

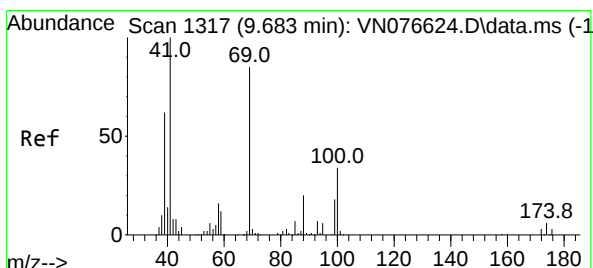
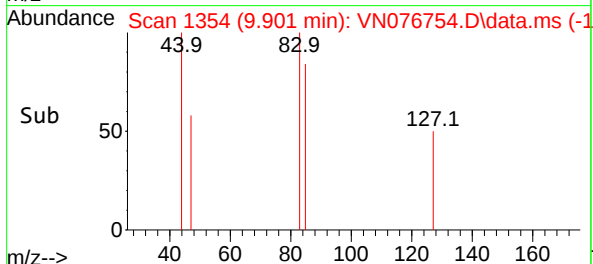
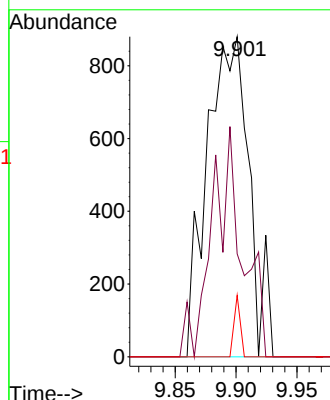
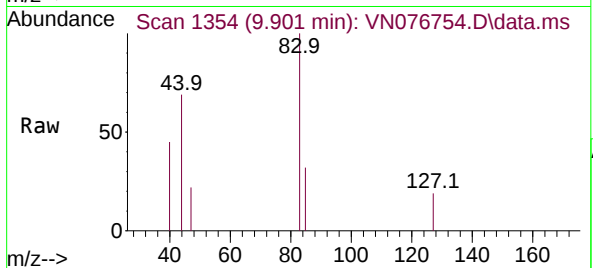
Tgt Ion:	83	Resp:	211
Ion	Ratio	Lower	Upper
83	100		
85	32.2	51.8	77.6
127	19.2	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#48

Methyl methacrylate

Concen: 0.325 ug/l

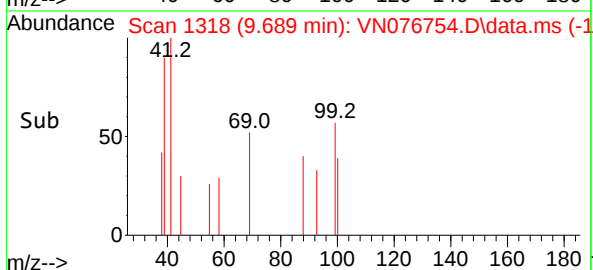
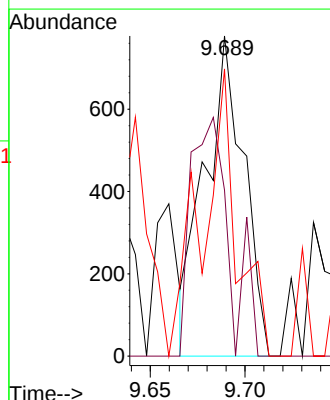
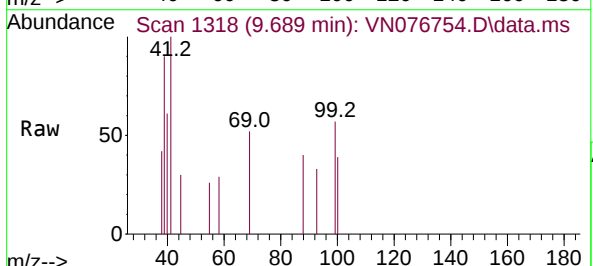
RT: 9.689 min Scan# 1318

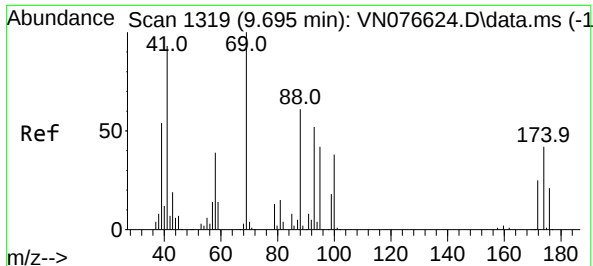
Delta R.T. 0.006 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Tgt Ion:	41	Resp:	1117
Ion	Ratio	Lower	Upper
41	100		
69	73.7	65.4	98.0
39	79.7	49.3	73.9





#49

1,4-Dioxane

Concen: 10.656 ug/l m

RT: 9.695 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

Tgt Ion: 88 Resp: 634

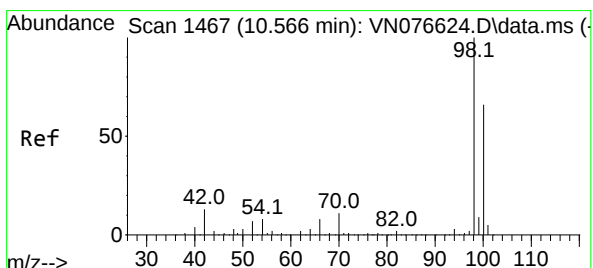
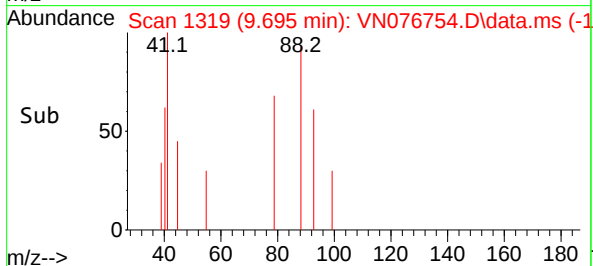
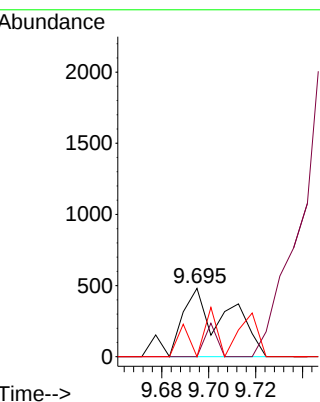
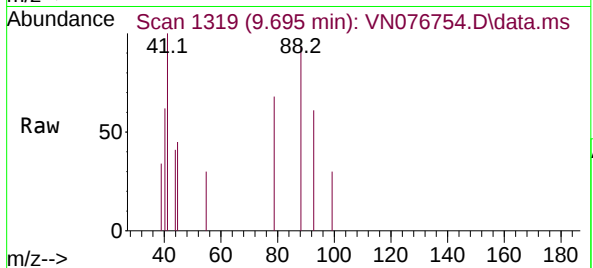
Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.6	33.8
58	32.0	57.6	86.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#50

Toluene-d8

Concen: 50.014 ug/l

RT: 10.566 min Scan# 1467

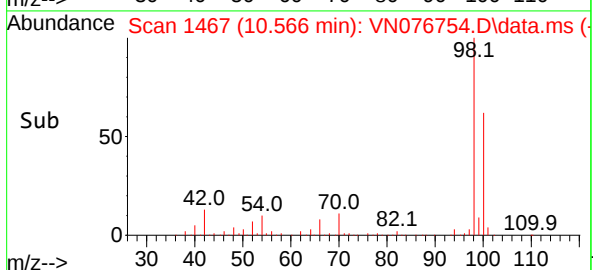
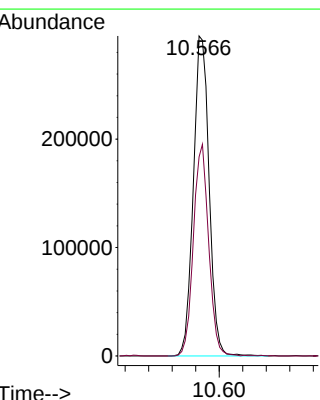
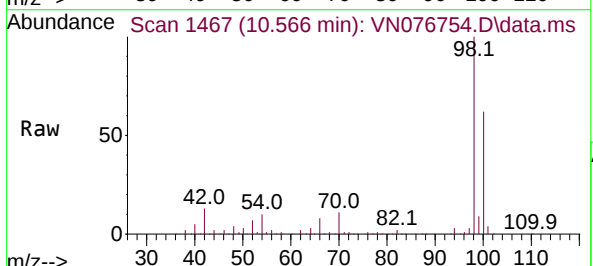
Delta R.T. -0.000 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Tgt Ion: 98 Resp: 547297

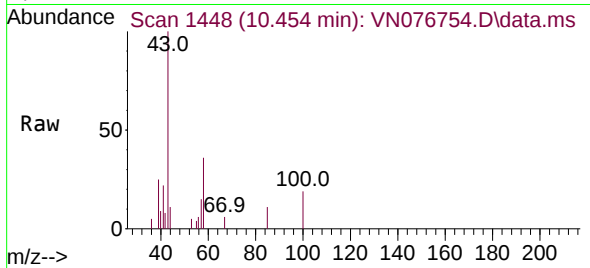
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





#51
4-Methyl-2-Pentanone
Concen: 1.701 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

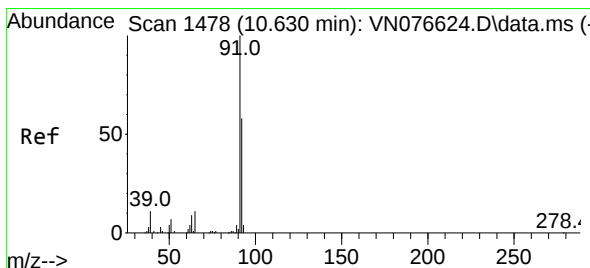
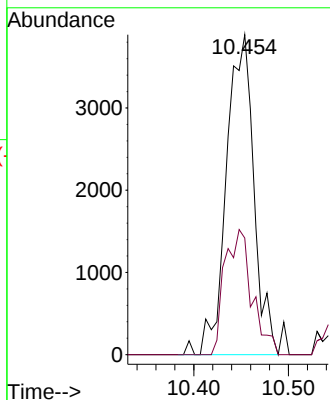
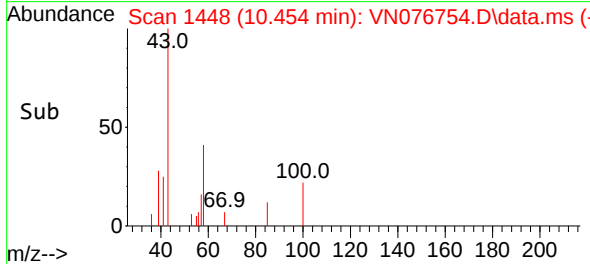
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



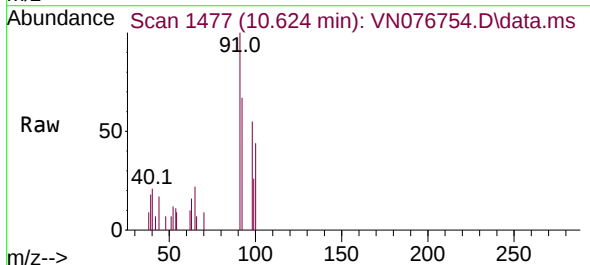
Tgt Ion: 43 Resp: 7840
Ion Ratio Lower Upper
43 100
58 38.8 29.5 44.3

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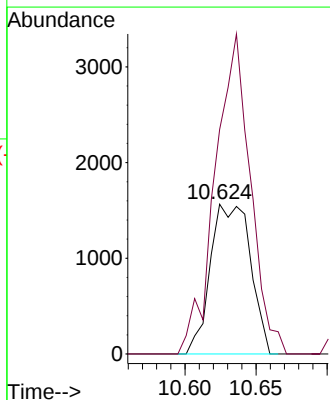
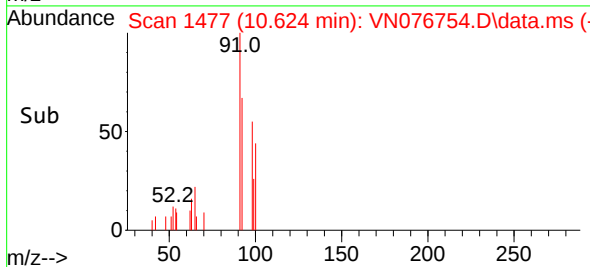
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

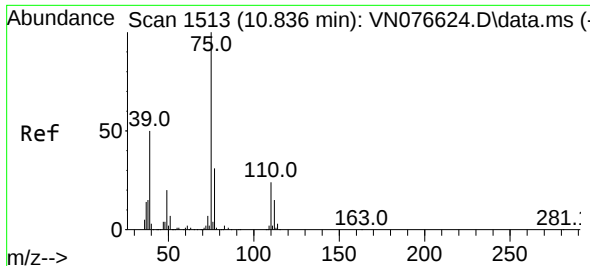


#52
Toluene
Concen: 0.391 ug/l
RT: 10.624 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



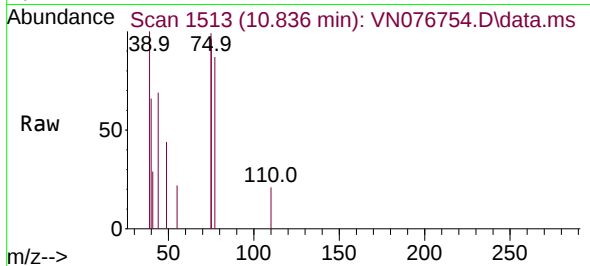
Tgt Ion: 92 Resp: 3070
Ion Ratio Lower Upper
92 100
91 187.9 138.0 207.0





#53
t-1,3-Dichloropropene
Concen: 0.389 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

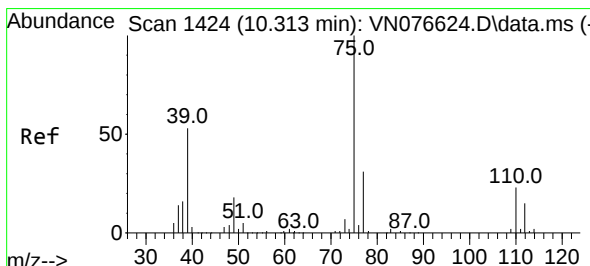
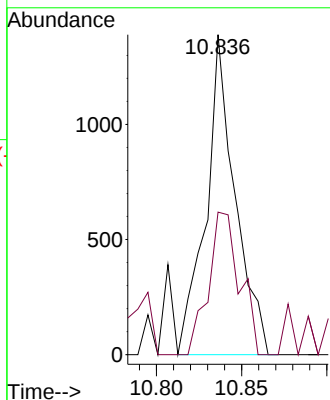
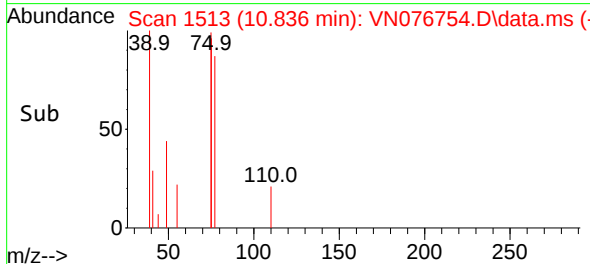
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



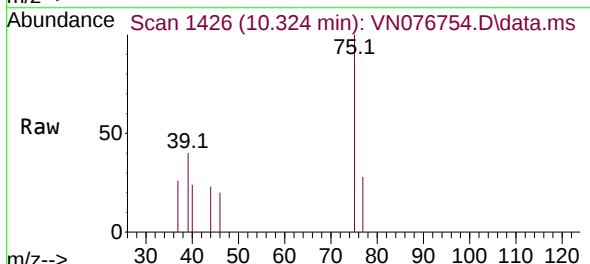
Tgt Ion: 75 Resp: 1650
Ion Ratio Lower Upper
75 100
77 44.5 24.6 37.0

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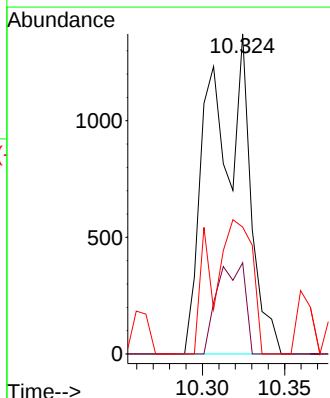
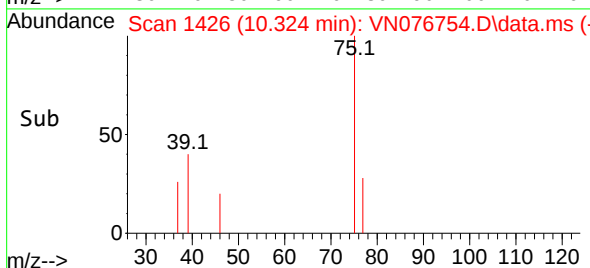
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

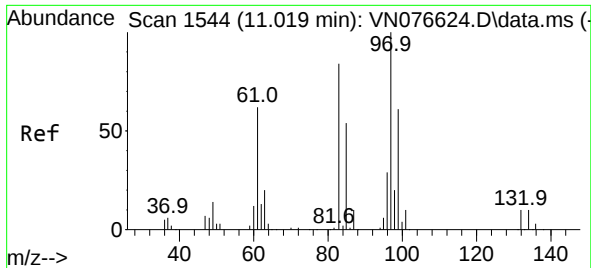


#54
cis-1,3-Dichloropropene
Concen: 0.459 ug/l m
RT: 10.324 min Scan# 1426
Delta R.T. 0.011 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



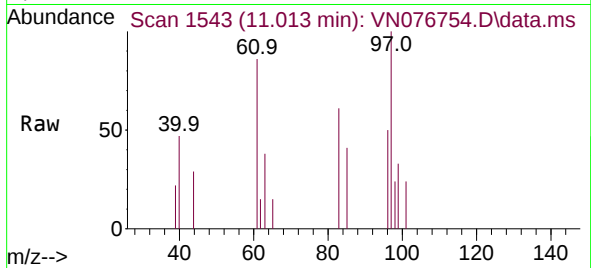
Tgt Ion: 75 Resp: 2255
Ion Ratio Lower Upper
75 100
77 28.5 25.1 37.7
39 39.7 42.3 63.5





#55
1,1,2-Trichloroethane
Concen: 0.504 ug/l
RT: 11.013 min Scan# 1544
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

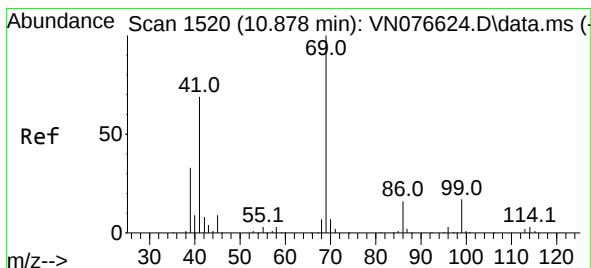
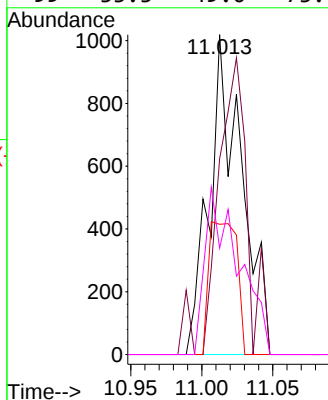
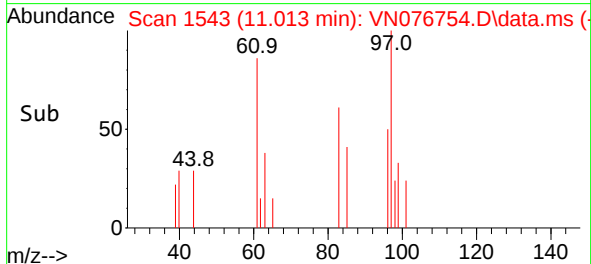
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



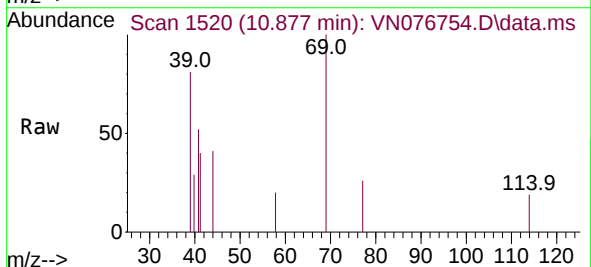
Tgt Ion: 97 Resp: 1610
Ion Ratio Lower Upper
97 100
83 61.2 67.3 100.9
85 40.7 43.2 64.8
99 33.3 49.0 73.4#

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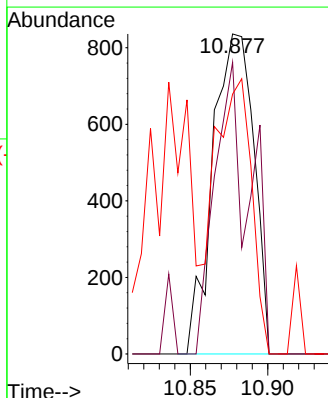
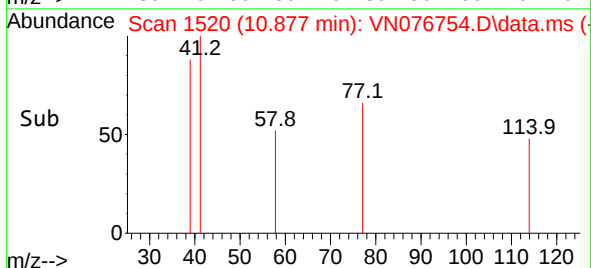
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#56
Ethyl methacrylate
Concen: 0.343 ug/l
RT: 10.877 min Scan# 1520
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



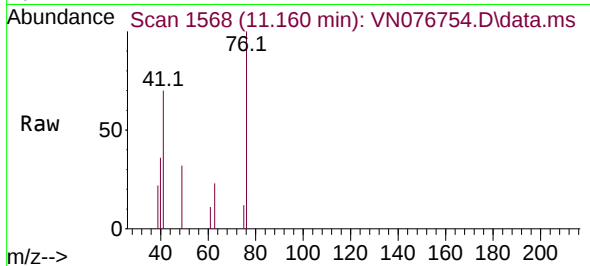
Tgt Ion: 69 Resp: 1540
Ion Ratio Lower Upper
69 100
41 77.2 55.1 82.7
39 73.4 30.7 46.1#





#57
1,3-Dichloropropane
Concen: 0.470 ug/l
RT: 11.160 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

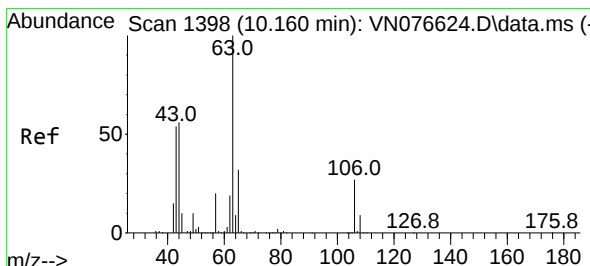
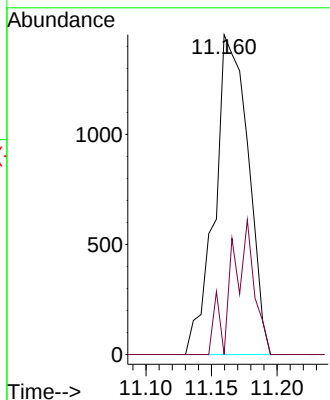
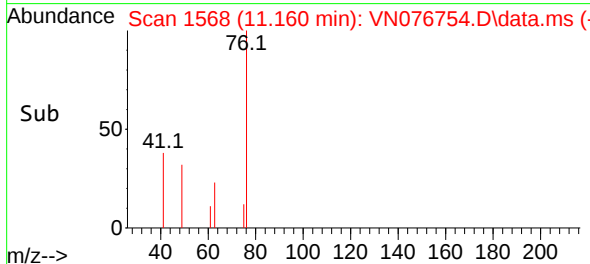
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion: 76 Resp: 2579
Ion Ratio Lower Upper
76 100
78 28.9 26.1 39.1

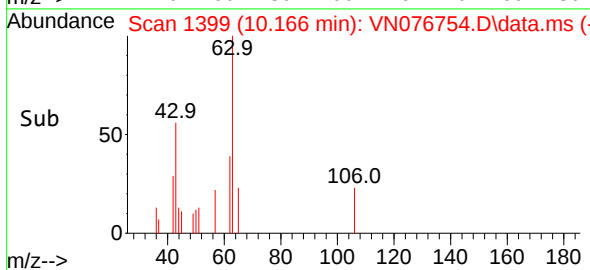
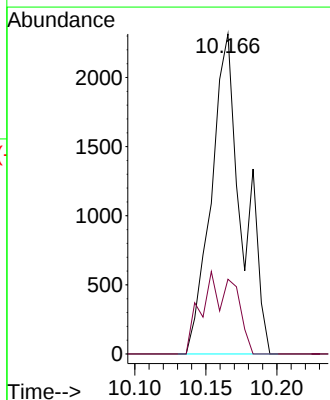
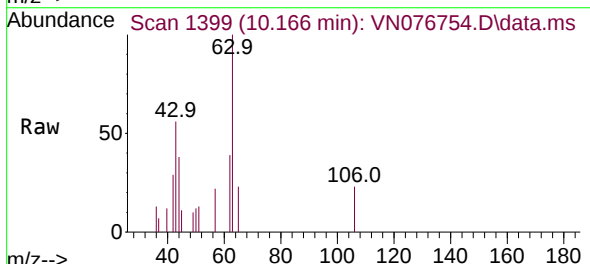
Manual Integrations
APPROVED

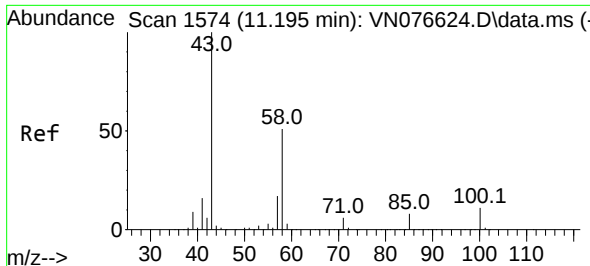
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#58
2-Chloroethyl Vinyl ether
Concen: 1.698 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion: 63 Resp: 3494
Ion Ratio Lower Upper
63 100
106 15.6 22.3 33.5#





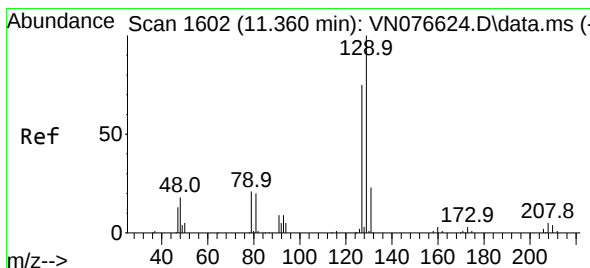
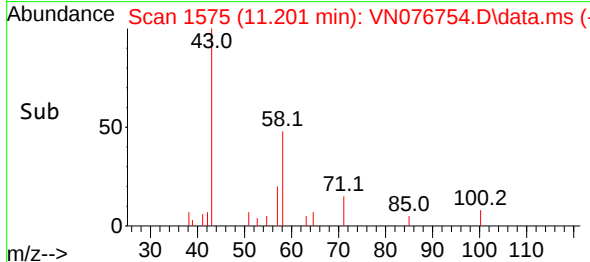
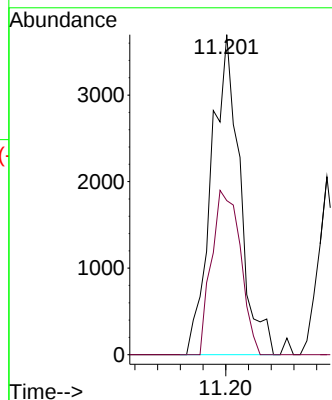
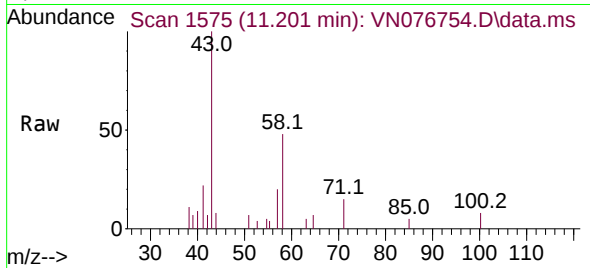
#59
2-Hexanone
Concen: 1.943 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion: 43 Resp: 6460
Ion Ratio Lower Upper
43 100
58 51.7 25.4 76.0

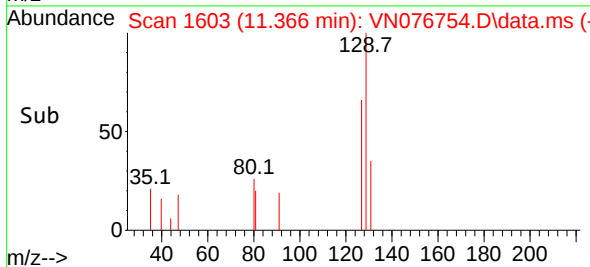
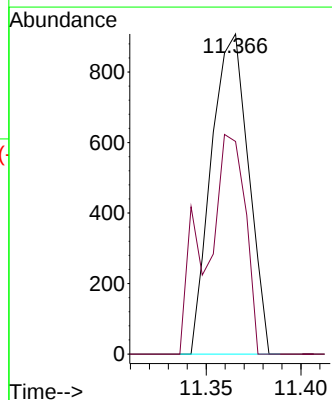
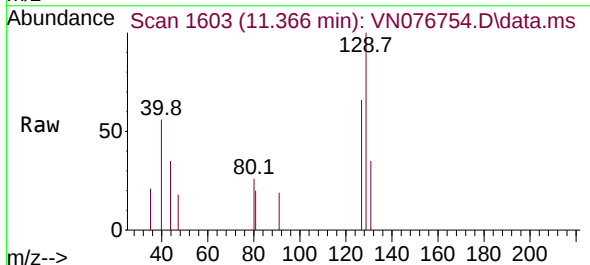
Manual Integrations
APPROVED

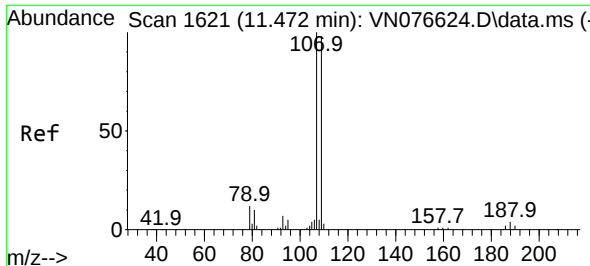
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#60
Dibromochloromethane
Concen: 0.368 ug/l
RT: 11.366 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion:129 Resp: 1239
Ion Ratio Lower Upper
129 100
127 72.5 38.8 116.4





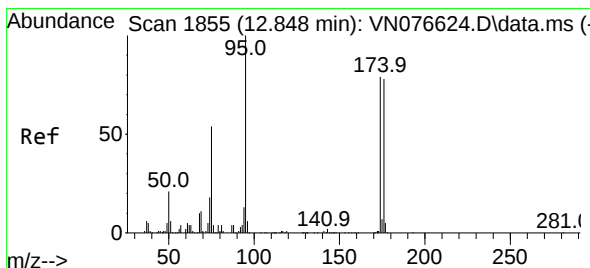
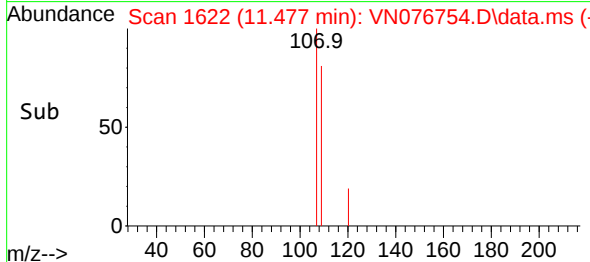
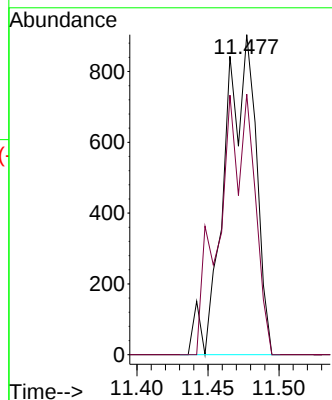
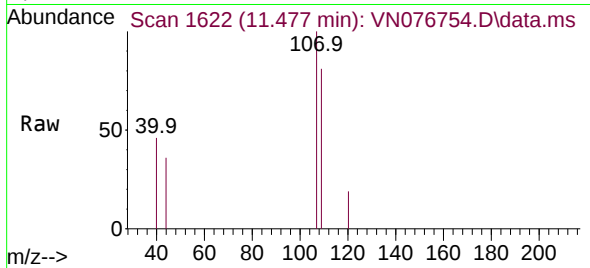
#61
1,2-Dibromoethane
Concen: 0.434 ug/l
RT: 11.477 min Scan# 1107
Delta R.T. 0.005 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion:107 Resp: 1388
Ion Ratio Lower Upper
107 100
109 88.9 76.8 115.2

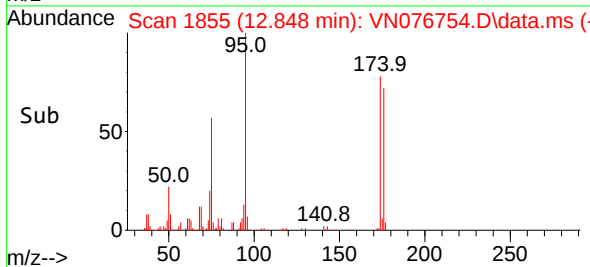
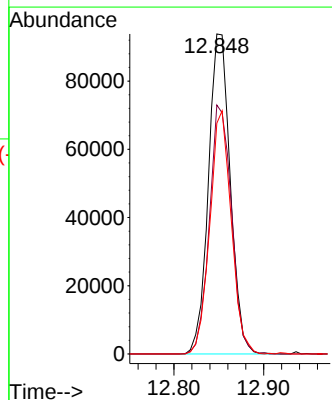
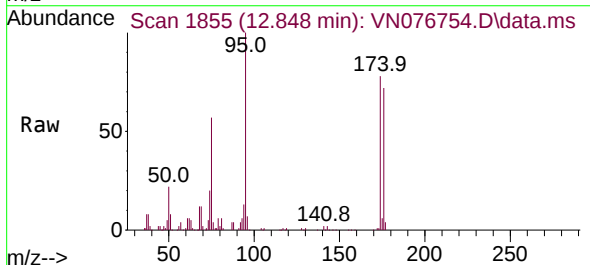
Manual Integrations
APPROVED

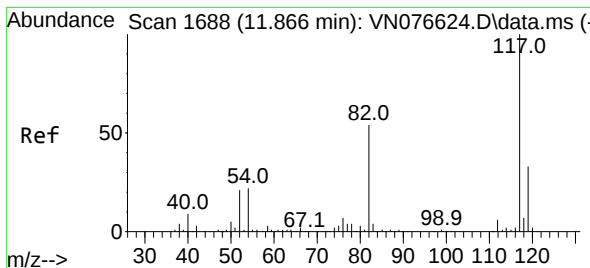
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#62
4-Bromofluorobenzene
Concen: 43.764 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion: 95 Resp: 158616
Ion Ratio Lower Upper
95 100
174 78.8 0.0 169.2
176 74.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

Tgt Ion:117 Resp: 384579

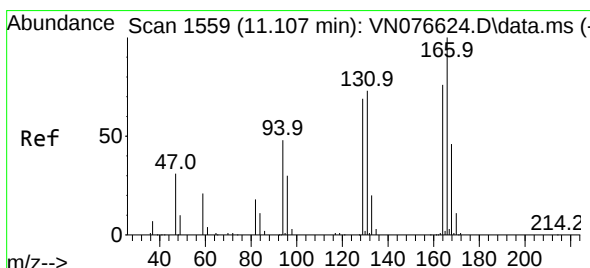
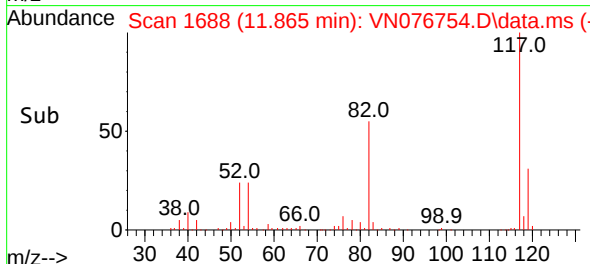
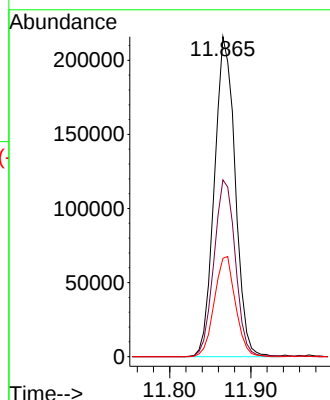
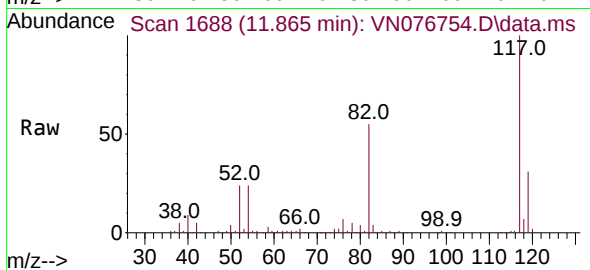
Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.4	65.2
119	30.8	26.1	39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#64

Tetrachloroethene

Concen: 0.438 ug/l

RT: 11.107 min Scan# 1559

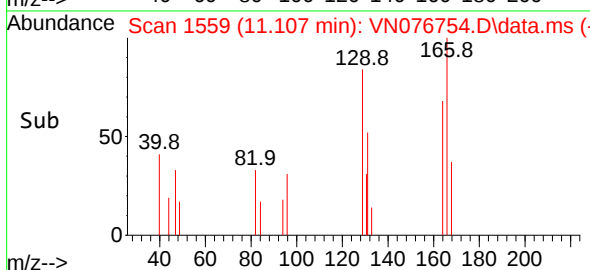
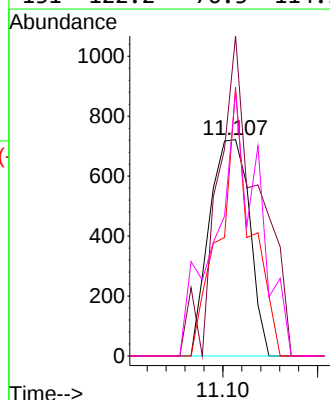
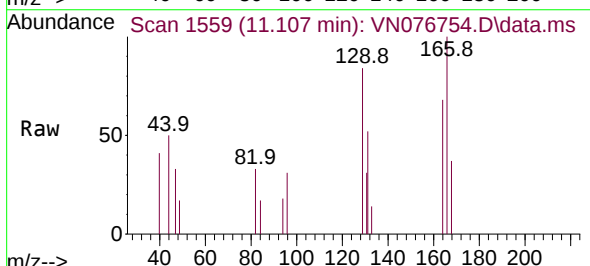
Delta R.T. -0.000 min

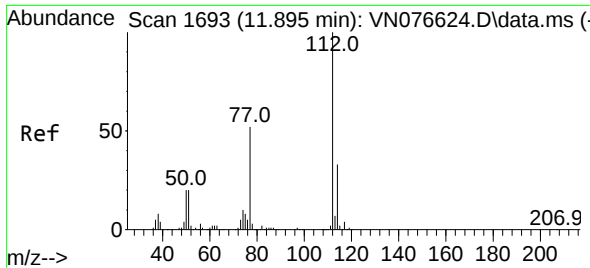
Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Tgt Ion:164 Resp: 1061

Ion	Ratio	Lower	Upper
164	100		
166	147.9	104.8	157.2
129	124.1	72.2	108.2#
131	122.2	76.3	114.5#





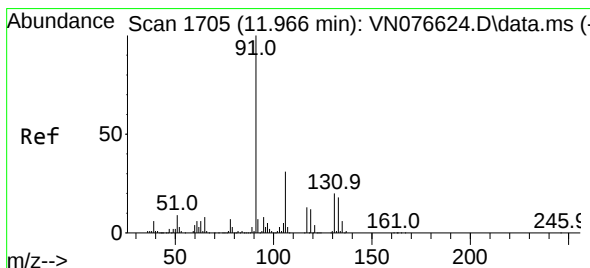
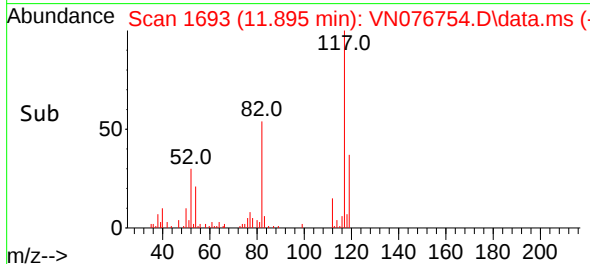
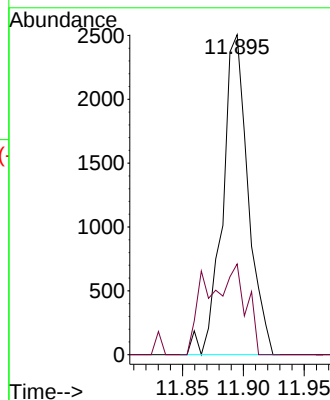
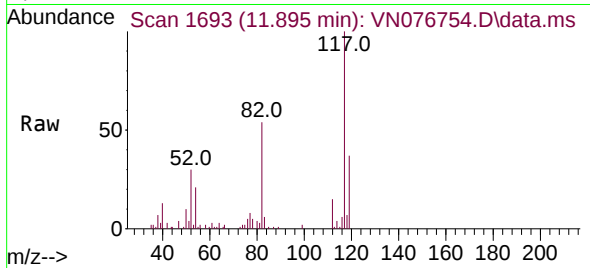
#65
Chlorobenzene
Concen: 0.449 ug/l
RT: 11.895 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion:112 Resp: 366
Ion Ratio Lower Upper
112 100
114 28.3 26.4 39.6

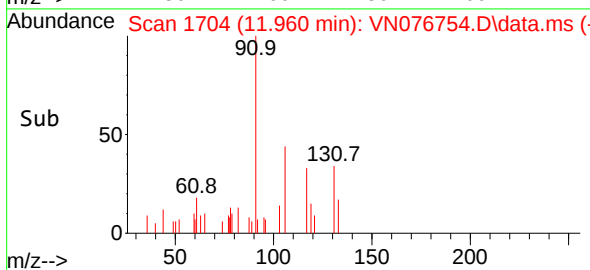
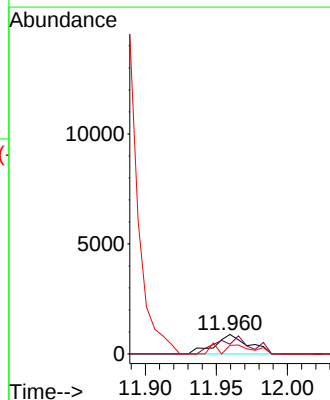
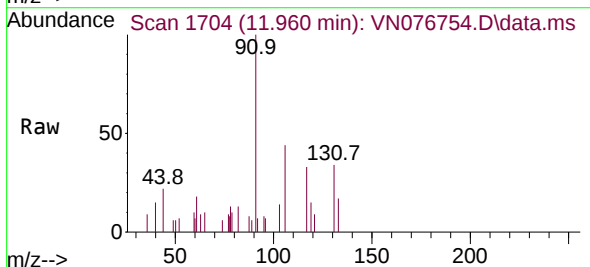
Manual Integrations
APPROVED

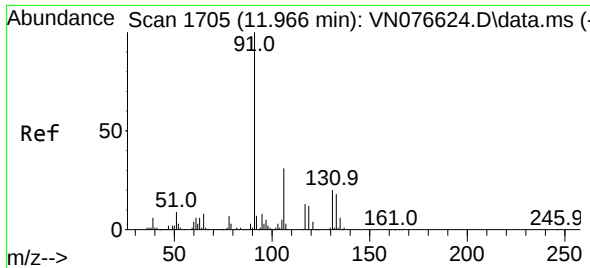
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.490 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

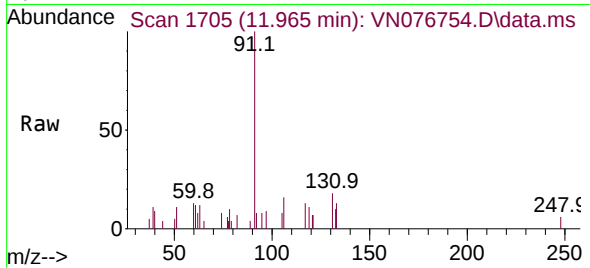
Tgt Ion:131 Resp: 1450
Ion Ratio Lower Upper
131 100
133 89.4 47.0 141.0
119 0.0 32.3 96.8#





#67
Ethyl Benzene
Concen: 0.417 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

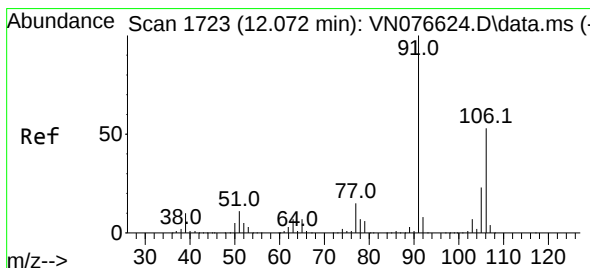
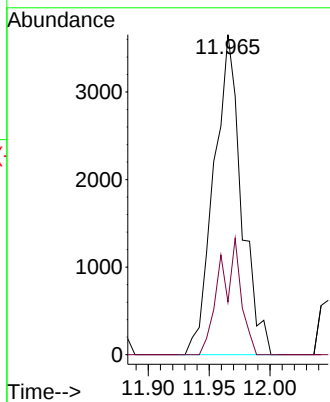
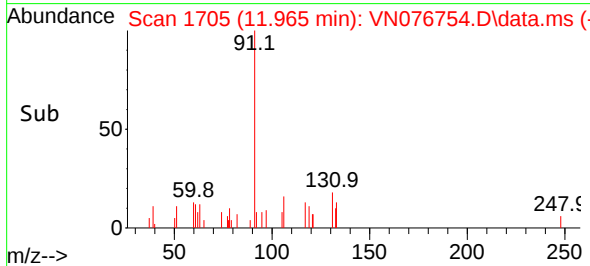
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



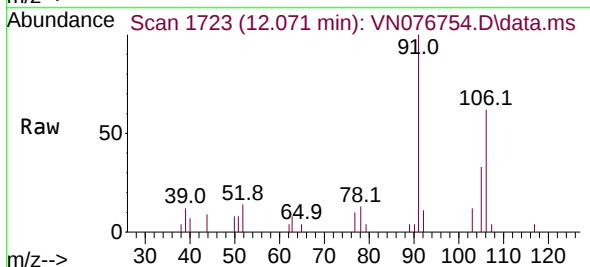
Tgt Ion: 91 Resp: 5794
Ion Ratio Lower Upper
91 100
106 16.4 25.1 37.7

Manual Integrations
APPROVED

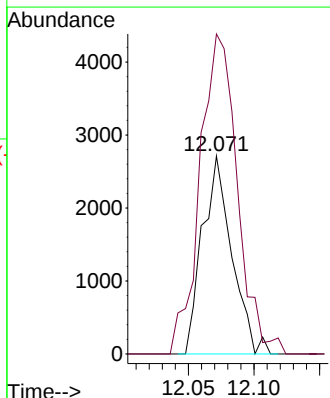
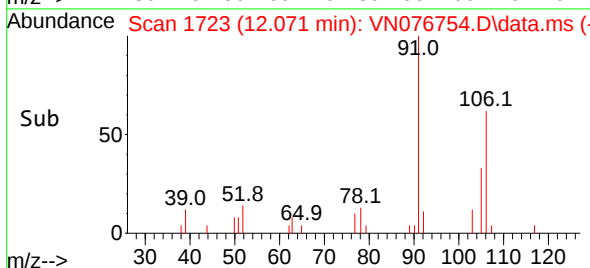
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

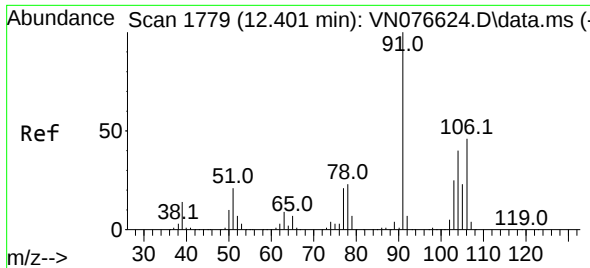


#68
m/p-Xylenes
Concen: 0.789 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion:106 Resp: 4221
Ion Ratio Lower Upper
106 100
91 205.8 154.7 232.1





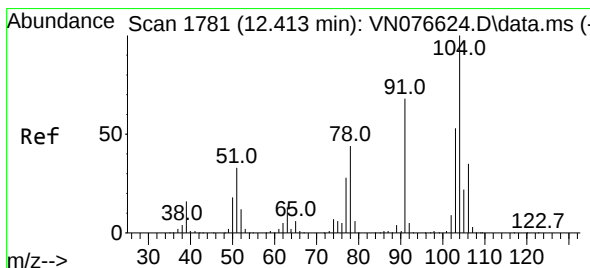
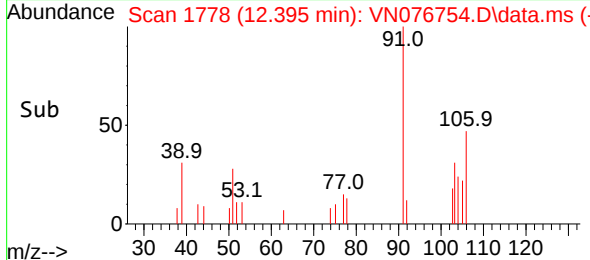
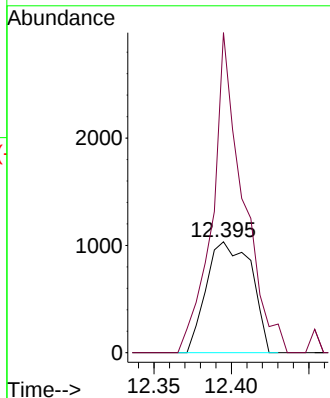
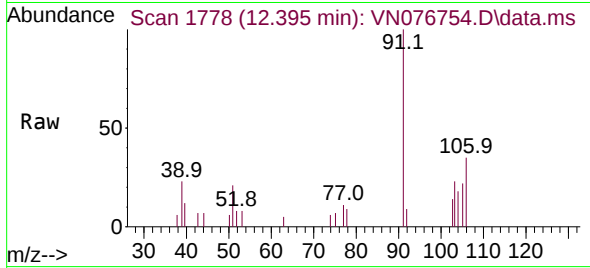
#69
o-Xylene
Concen: 0.400 ug/l
RT: 12.395 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion:106 Resp: 2080
Ion Ratio Lower Upper
106 100
91 197.0 105.8 317.4

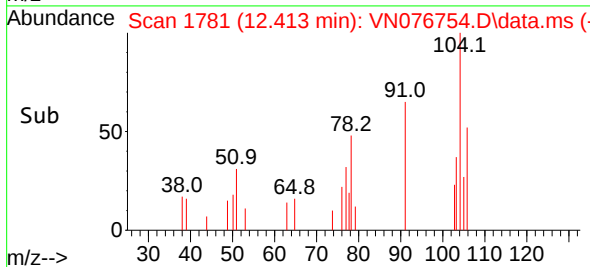
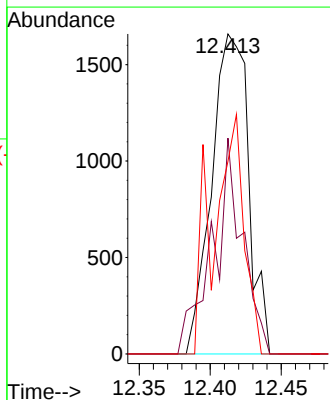
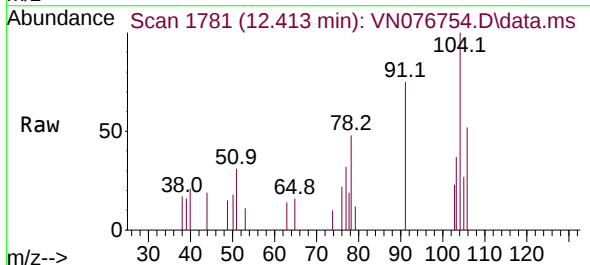
Manual Integrations
APPROVED

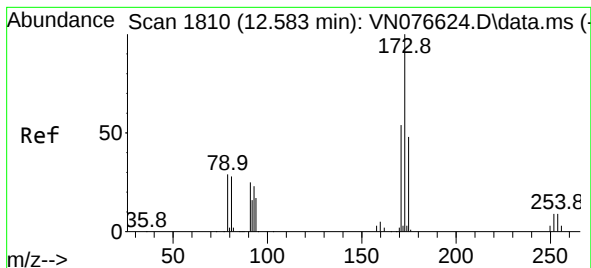
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#70
Styrene
Concen: 0.356 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion:104 Resp: 3009
Ion Ratio Lower Upper
104 100
78 54.2 38.2 57.4
103 62.3 44.2 66.4





#71

Bromoform

Concen: 0.243 ug/l

RT: 12.571 min Scan# 1808

Delta R.T. -0.012 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

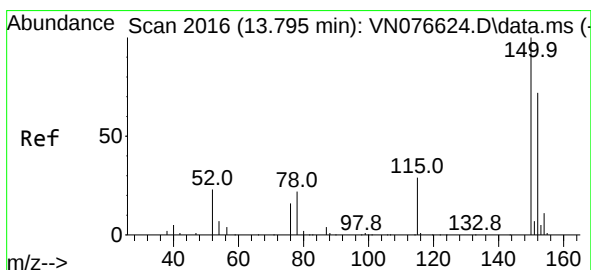
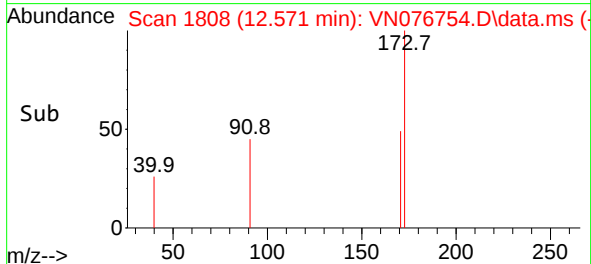
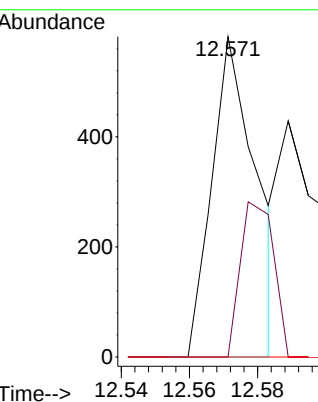
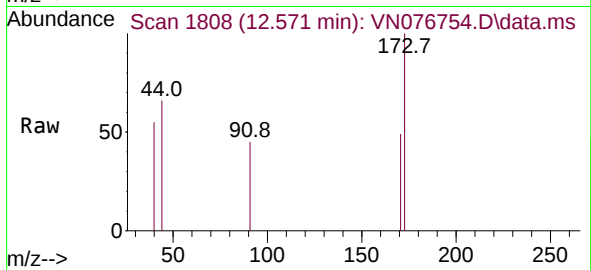
Tgt Ion:173	Resp:	528
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.9
254	0.0	0.1

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

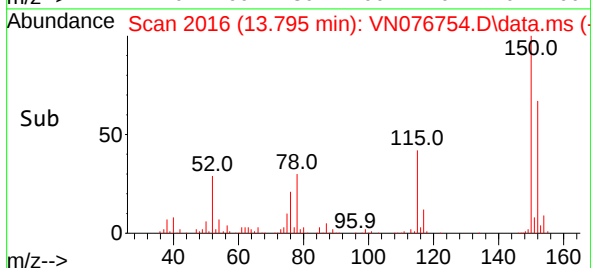
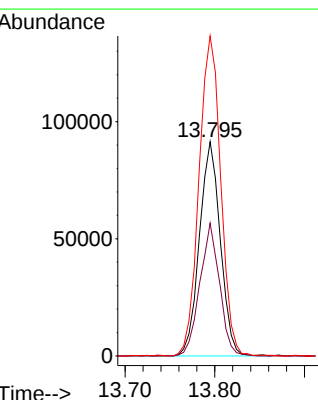
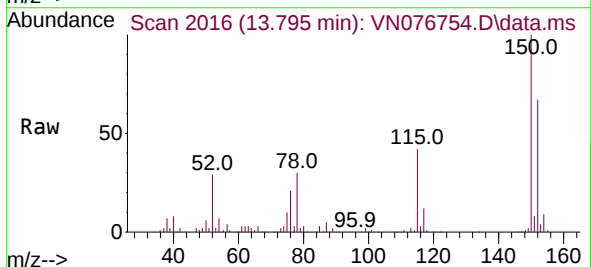
RT: 13.795 min Scan# 2016

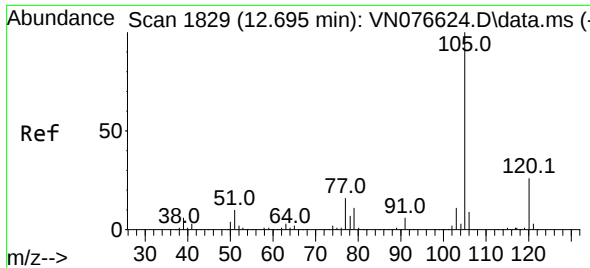
Delta R.T. -0.000 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

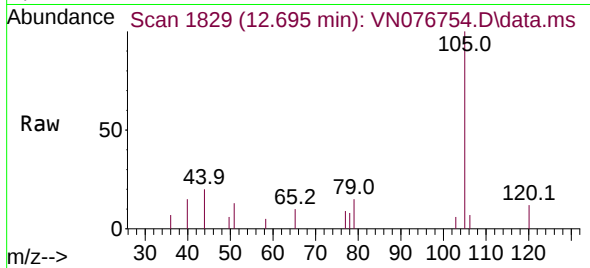
Tgt Ion:152	Resp:	147748
Ion Ratio	Lower	Upper
152	100	
115	58.5	29.3
150	155.1	0.0





#73
Isopropylbenzene
Concen: 0.421 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

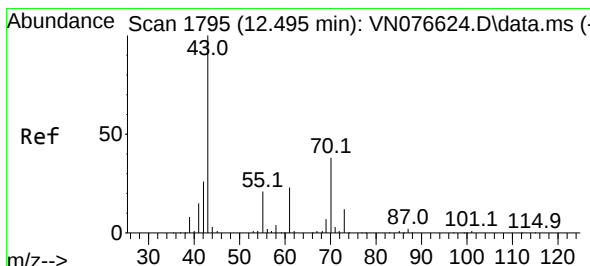
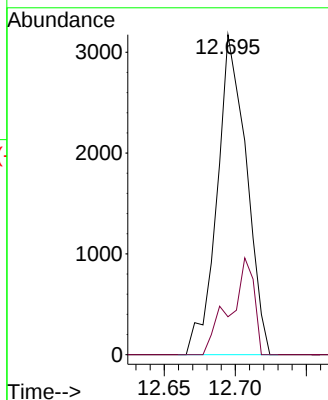
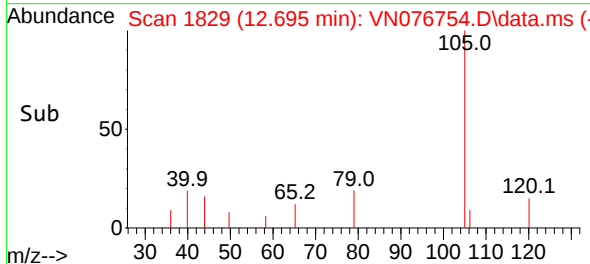
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



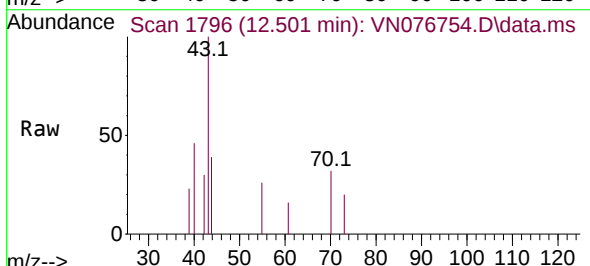
Tgt Ion: 105 Resp: 456
Ion Ratio Lower Upper
105 100
120 24.8 13.7 41.0

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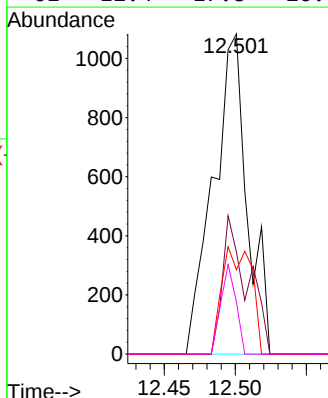
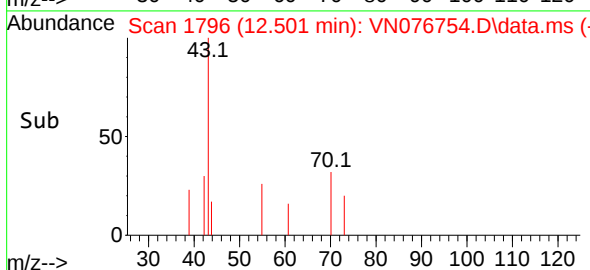
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

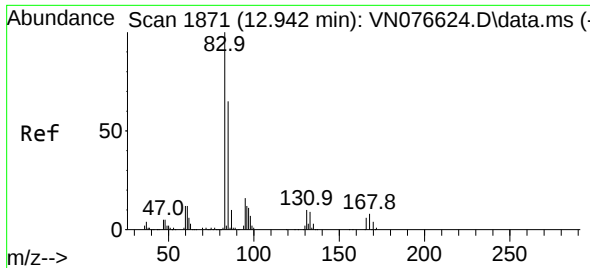


#74
N-ethyl acetate
Concen: 0.369 ug/l
RT: 12.501 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion: 43 Resp: 1801
Ion Ratio Lower Upper
43 100
70 31.8 30.5 45.7
55 29.0 17.8 26.8#
61 12.4 17.8 26.8#





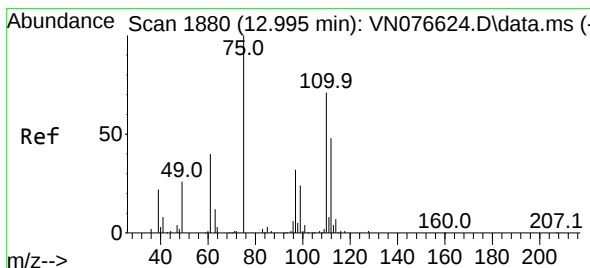
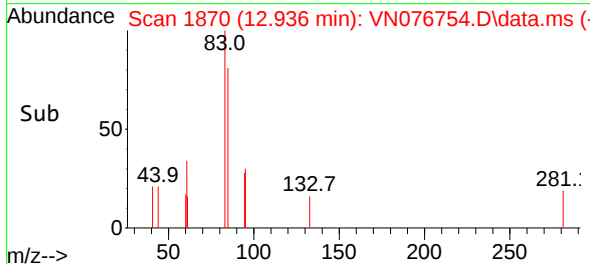
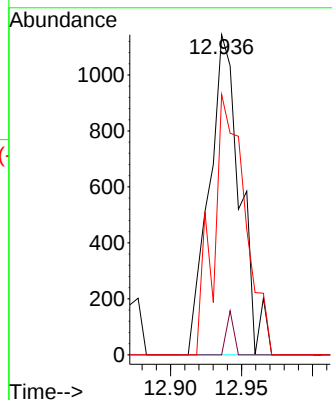
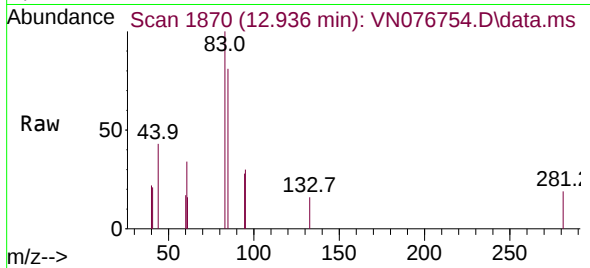
#75
1,1,2,2-Tetrachloroethane
Concen: 0.444 ug/l
RT: 12.936 min Scan# 1871
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion: 83 Resp: 1742
Ion Ratio Lower Upper
83 100
131 3.2 5.0 15.0
85 82.8 31.8 95.3

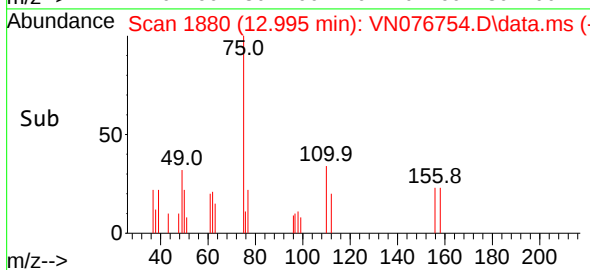
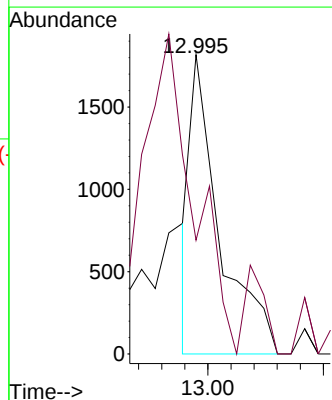
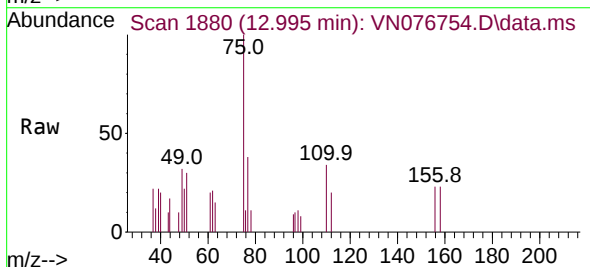
Manual Integrations
APPROVED

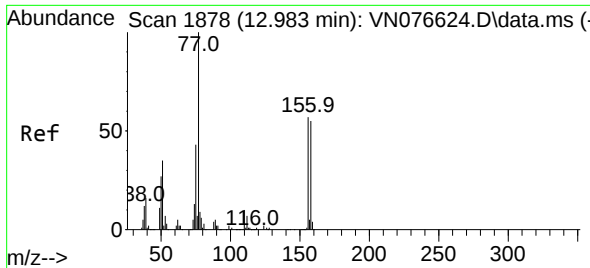
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#76
1,2,3-Trichloropropane
Concen: 0.538 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

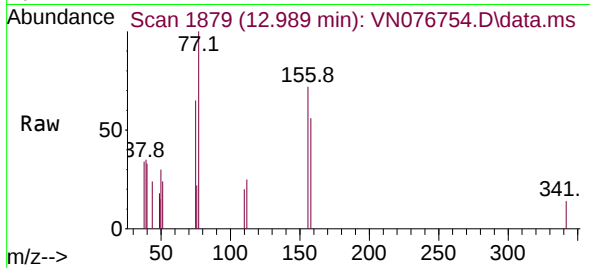
Tgt Ion: 75 Resp: 1607
Ion Ratio Lower Upper
75 100
77 187.1 93.1 279.3





#77
Bromobenzene
Concen: 0.528 ug/l
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

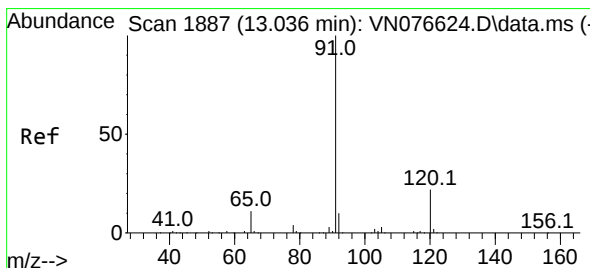
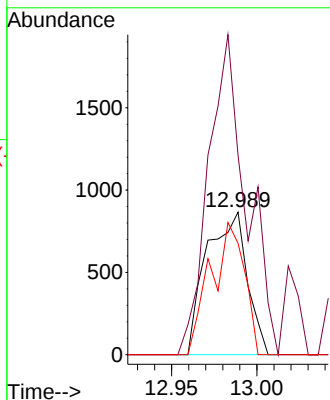
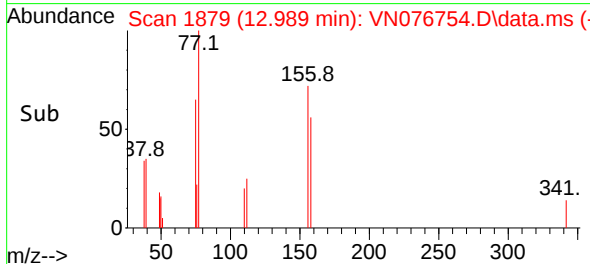
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



Tgt Ion:156 Resp: 1420
Ion Ratio Lower Upper
156 100
77 210.8 102.8 308.4
158 77.3 48.9 146.6

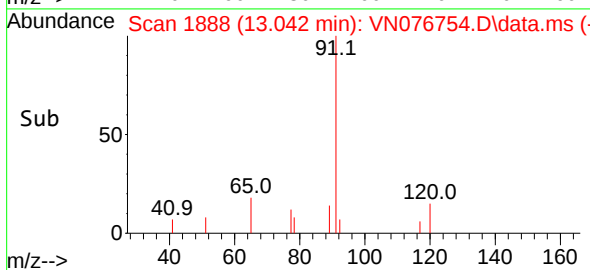
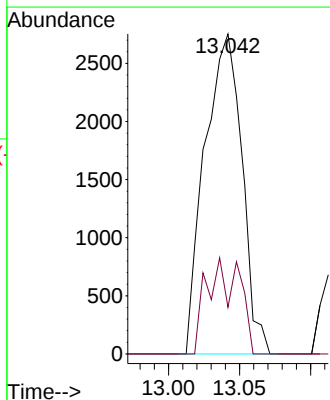
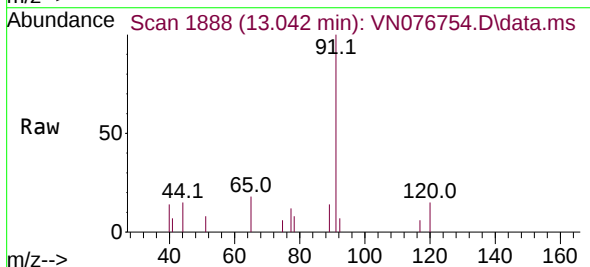
Manual Integrations
APPROVED

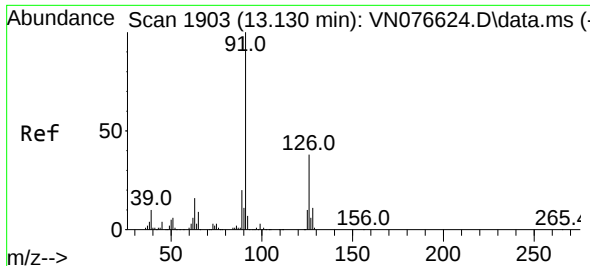
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#78
n-propylbenzene
Concen: 0.394 ug/l
RT: 13.042 min Scan# 1888
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion: 91 Resp: 5013
Ion Ratio Lower Upper
91 100
120 26.1 11.5 34.5





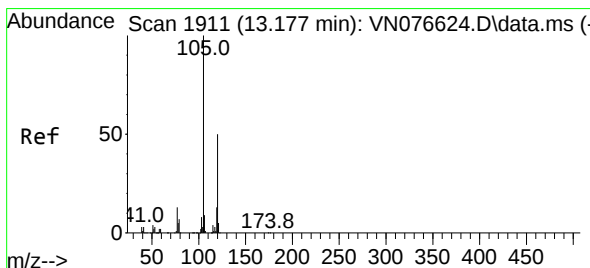
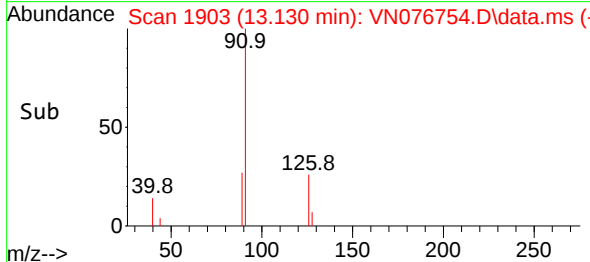
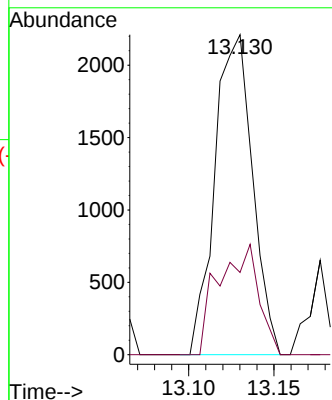
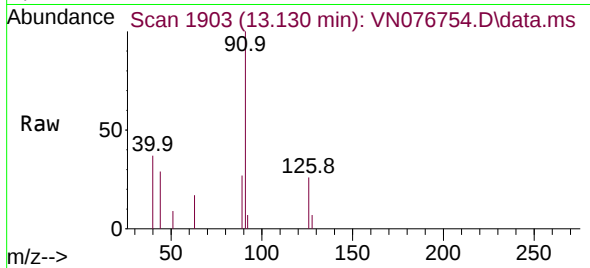
#79
2-Chlorotoluene
Concen: 0.437 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion: 91 Resp: 3402
Ion Ratio Lower Upper
91 100
126 36.6 17.7 53.1

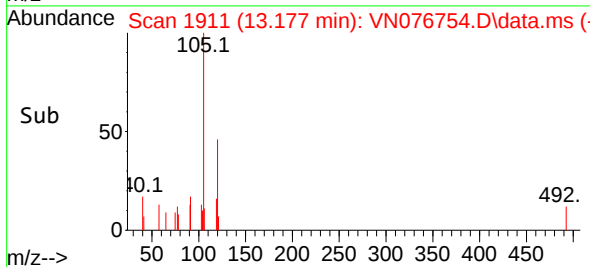
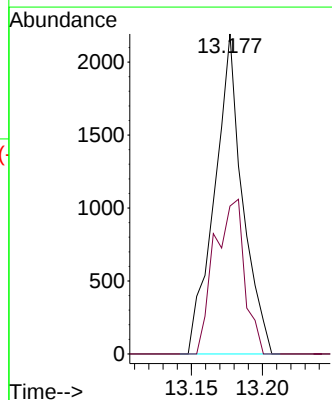
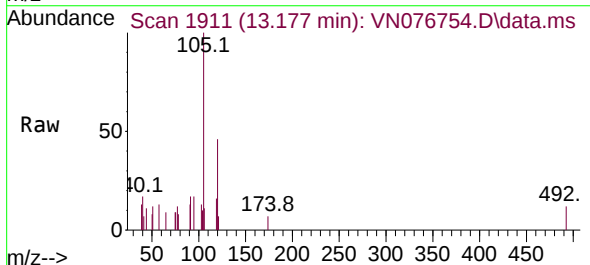
Manual Integrations
APPROVED

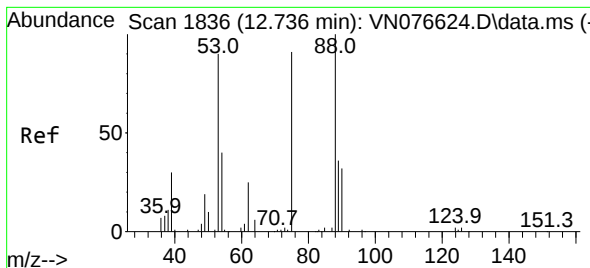
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.336 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

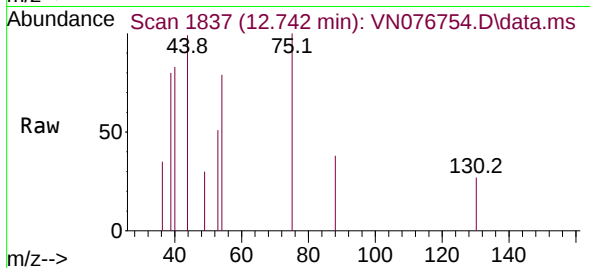
Tgt Ion:105 Resp: 3006
Ion Ratio Lower Upper
105 100
120 52.0 25.1 75.4





#81
trans-1,4-Dichloro-2-butene
Concen: 0.295 ug/l m
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

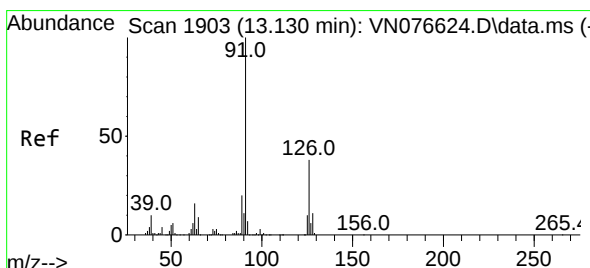
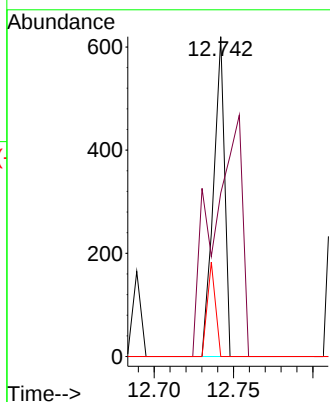
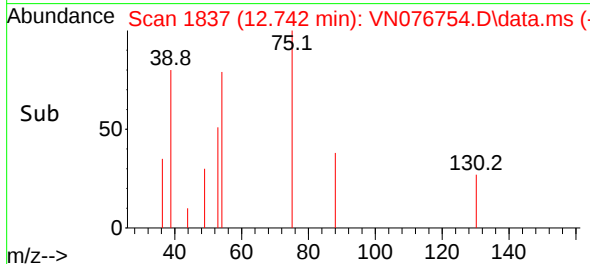
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



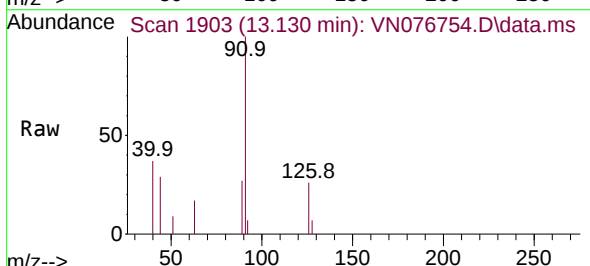
Tgt Ion: 75 Resp: 300
Ion Ratio Lower Upper
75 100
53 26.4 92.1 138.1
89 0.0 37.5 56.3

Manual Integrations
APPROVED

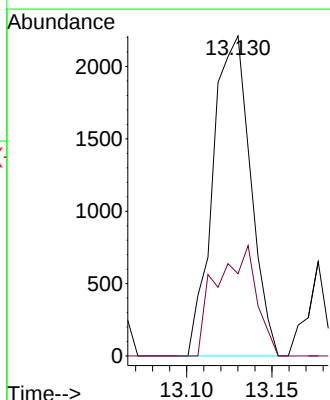
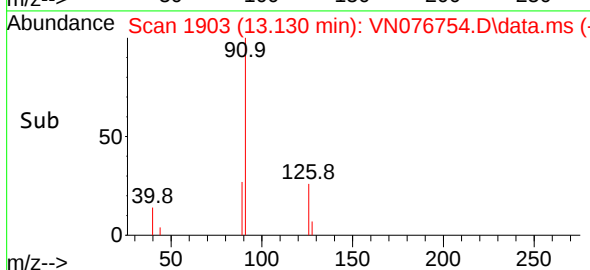
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

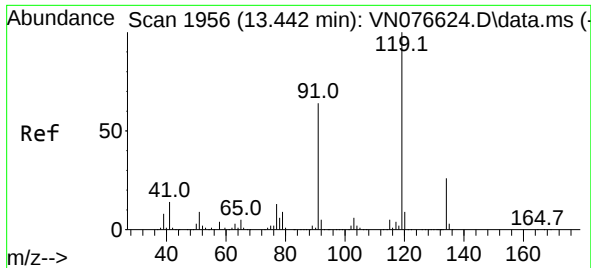


#82
4-Chlorotoluene
Concen: 0.437 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion: 91 Resp: 3402
Ion Ratio Lower Upper
91 100
126 36.6 17.7 53.1





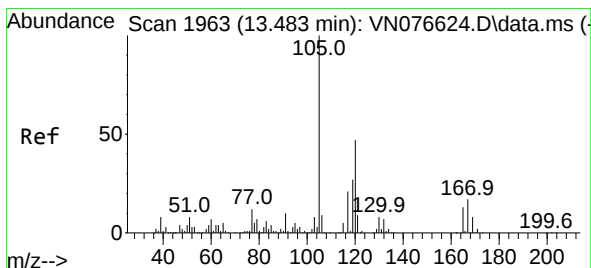
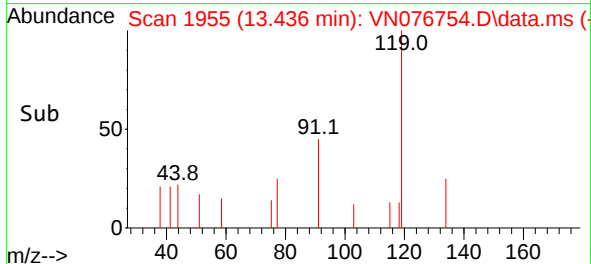
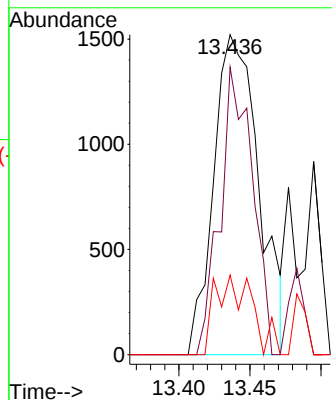
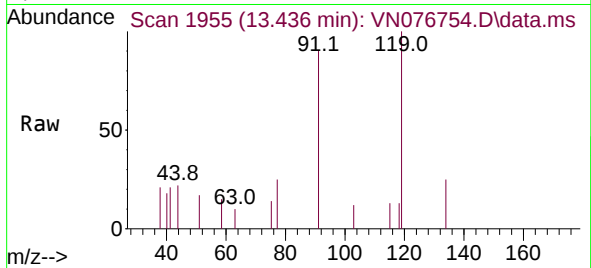
#83
tert-Butylbenzene
Concen: 0.415 ug/l
RT: 13.436 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion:119 Resp: 336
Ion Ratio Lower Upper
119 100
91 64.6 32.0 96.2
134 20.4 13.8 41.4

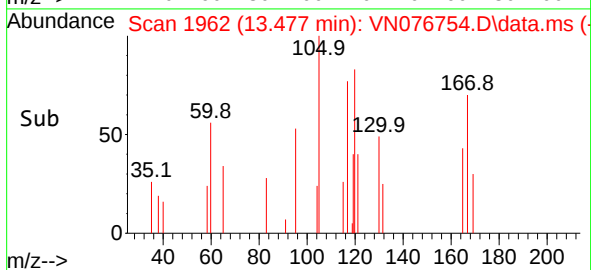
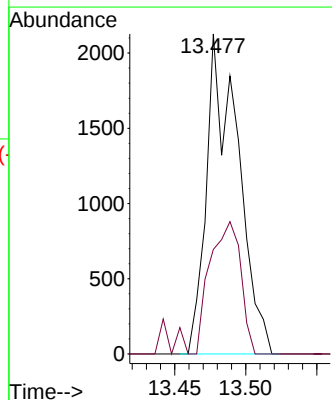
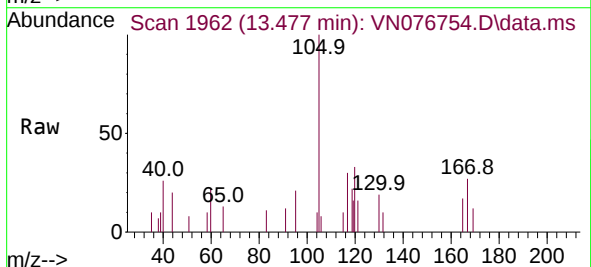
Manual Integrations
APPROVED

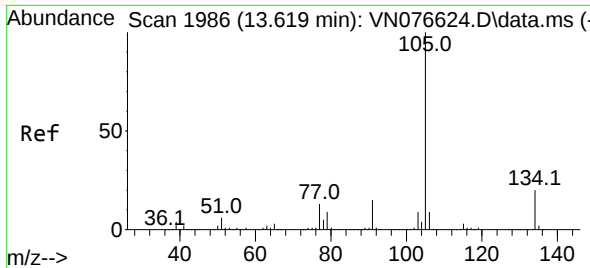
Reviewed By :John Carbone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.367 ug/l
RT: 13.477 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

Tgt Ion:105 Resp: 3274
Ion Ratio Lower Upper
105 100
120 40.5 23.0 69.0





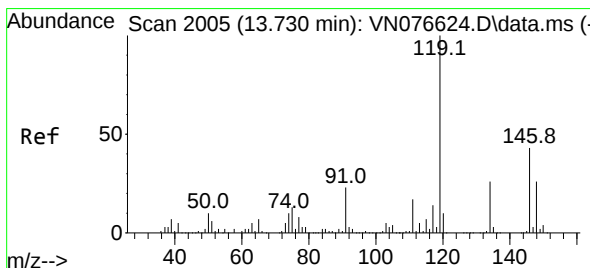
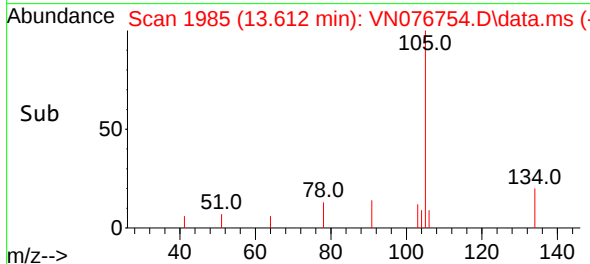
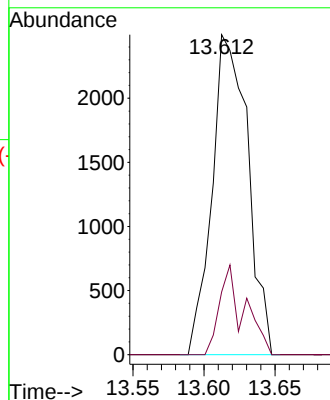
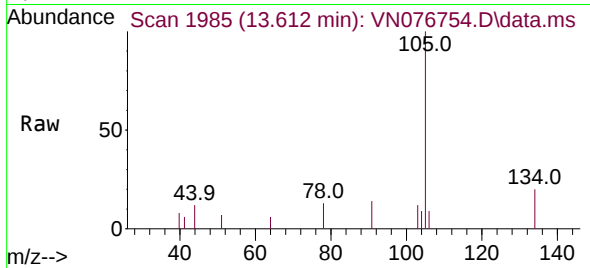
#85
 sec-Butylbenzene
 Concen: 0.387 ug/l
 RT: 13.612 min Scan# 1986
 Delta R.T. -0.007 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

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

Tgt Ion:105 Resp: 4372
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.5 31.5

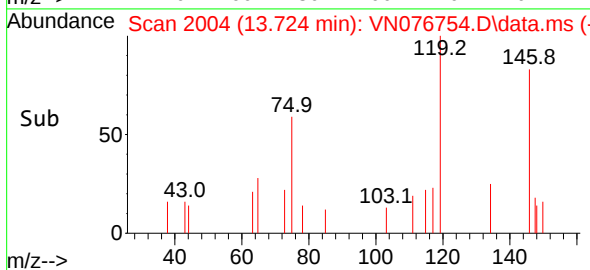
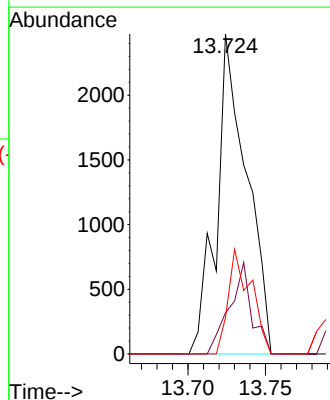
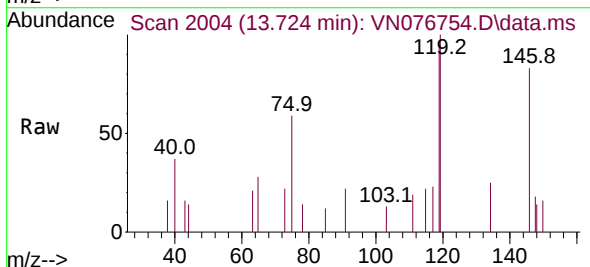
Manual Integrations
 APPROVED

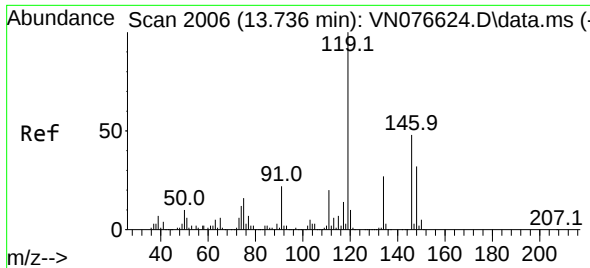
Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023



#86
 p-Isopropyltoluene
 Concen: 0.371 ug/l
 RT: 13.724 min Scan# 2004
 Delta R.T. -0.006 min
 Lab File: VN076754.D
 Acq: 21 Feb 2023 16:49

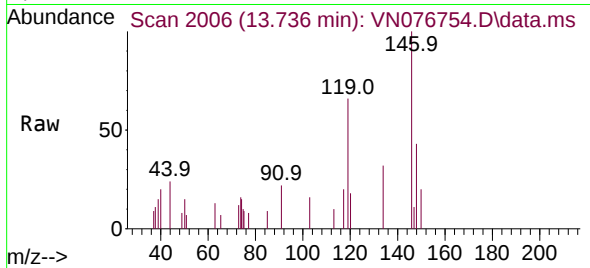
Tgt Ion:119 Resp: 3351
 Ion Ratio Lower Upper
 119 100
 134 21.1 13.4 40.1
 91 24.6 11.7 35.0





#87
1,3-Dichlorobenzene
Concen: 0.544 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

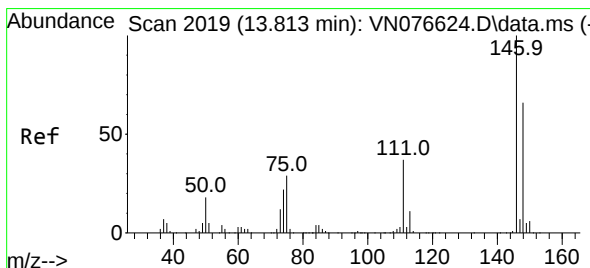
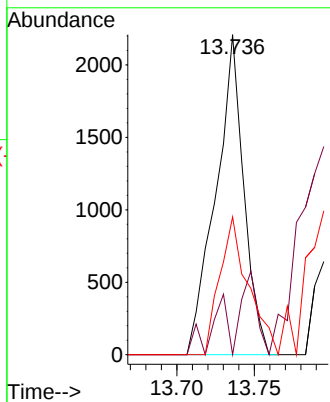
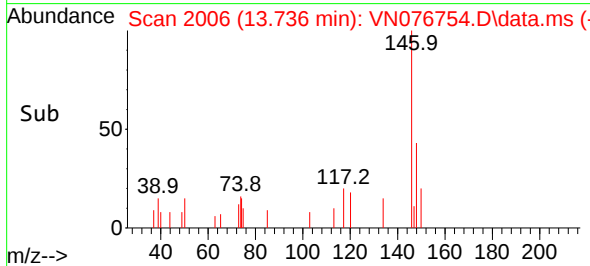
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



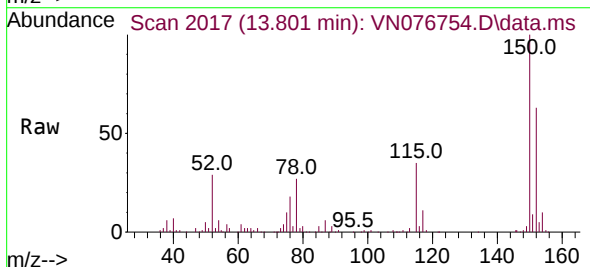
Tgt Ion:146 Resp: 2770
Ion Ratio Lower Upper
146 100
111 11.1 19.8 59.4
148 44.0 32.0 96.2

Manual Integrations
APPROVED

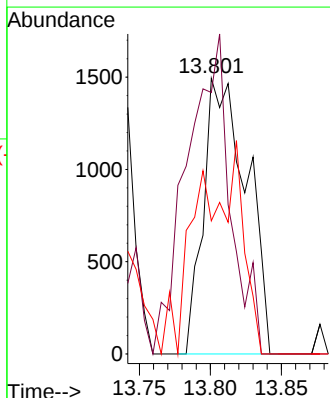
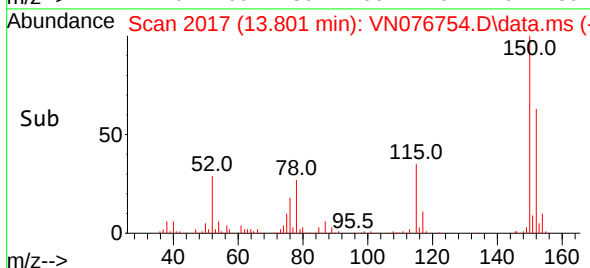
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

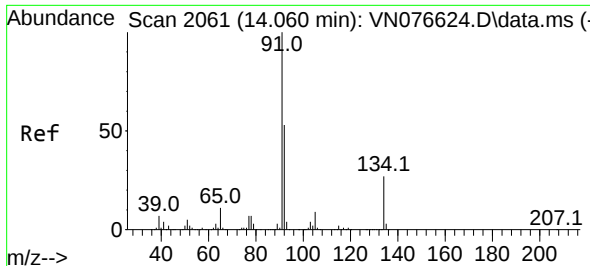


#88
1,4-Dichlorobenzene
Concen: 0.621 ug/l
RT: 13.801 min Scan# 2017
Delta R.T. -0.012 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion:146 Resp: 3159
Ion Ratio Lower Upper
146 100
111 116.1 19.4 58.1#
148 38.7 32.7 98.1





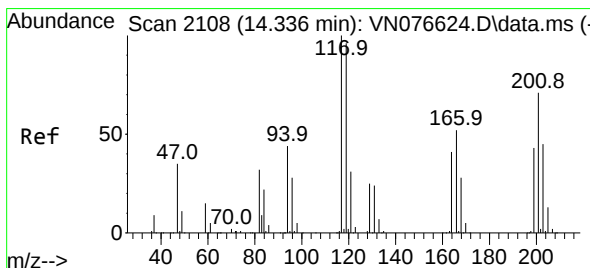
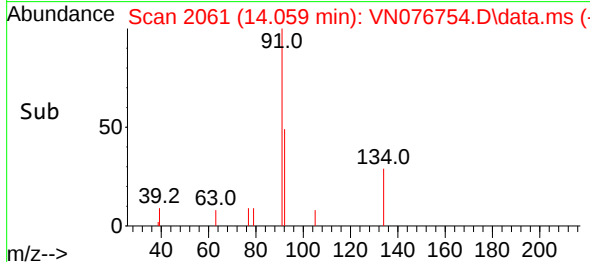
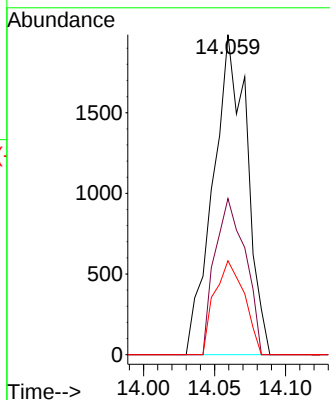
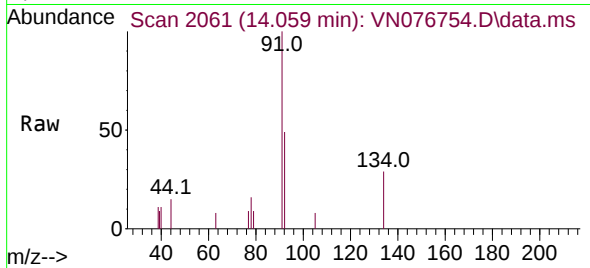
#89
n-Butylbenzene
Concen: 0.419 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

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

Tgt Ion: 91 Resp: 3290
Ion Ratio Lower Upper
91 100
92 44.0 26.4 79.0
134 25.7 13.2 39.5

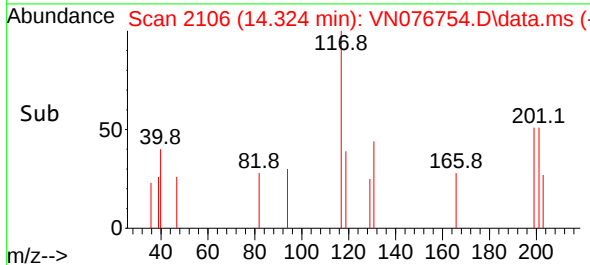
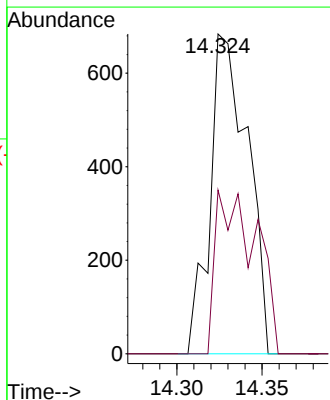
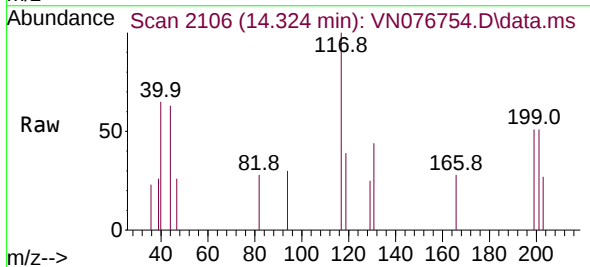
Manual Integrations
APPROVED

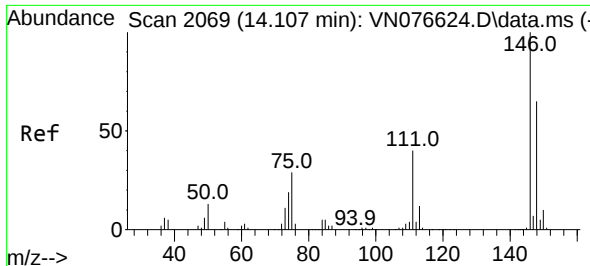
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#90
Hexachloroethane
Concen: 0.557 ug/l
RT: 14.324 min Scan# 2106
Delta R.T. -0.012 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

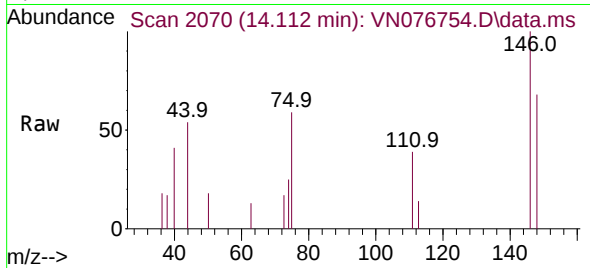
Tgt Ion:117 Resp: 1052
Ion Ratio Lower Upper
117 100
201 54.8 35.5 106.7





#91
1,2-Dichlorobenzene
Concen: 0.340 ug/l
RT: 14.112 min Scan# 2069
Delta R.T. 0.005 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

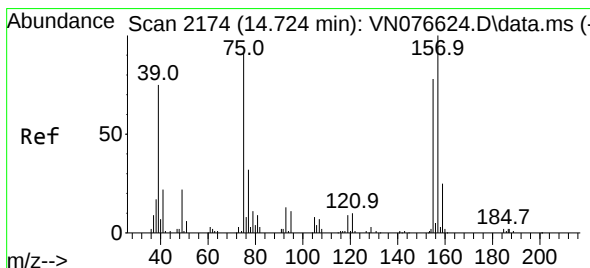
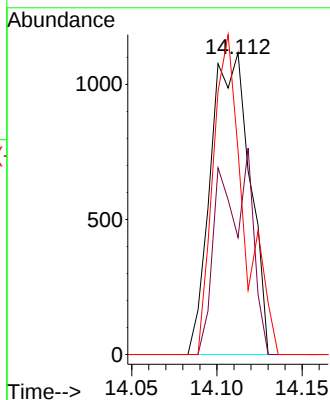
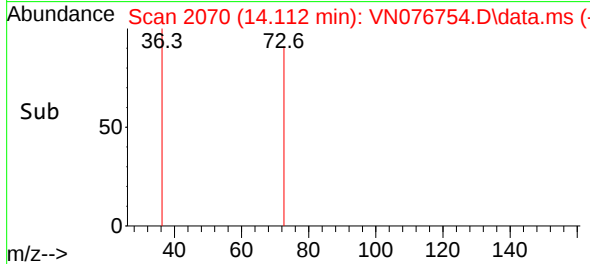
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2023



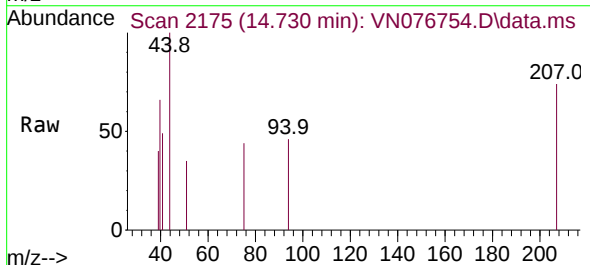
Tgt Ion:146 Resp: 1780
Ion Ratio Lower Upper
146 100
111 56.4 20.0 59.9
148 83.5 32.4 97.2

Manual Integrations
APPROVED

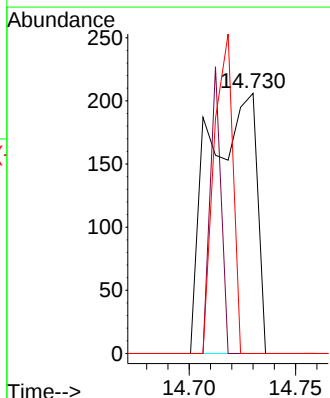
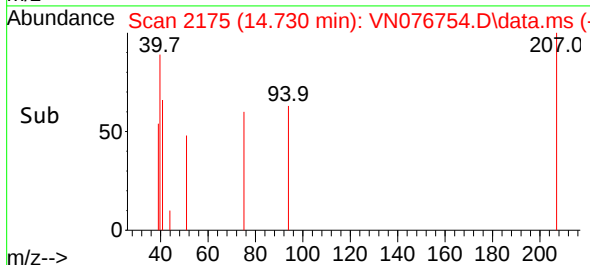
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

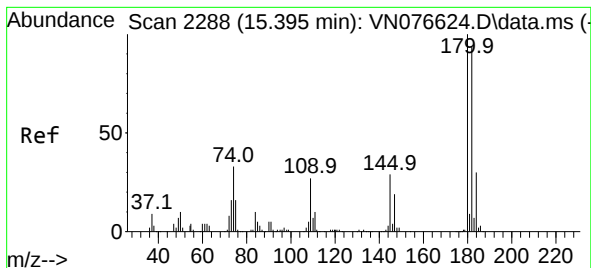


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.417 ug/l
RT: 14.730 min Scan# 2175
Delta R.T. 0.006 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion: 75 Resp: 317
Ion Ratio Lower Upper
75 100
155 25.2 43.4 130.2#
157 48.9 55.2 165.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.428 ug/l m

RT: 15.389 min Scan# 2288

Delta R.T. -0.006 min

Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2023

Tgt Ion:180 Resp: 1119

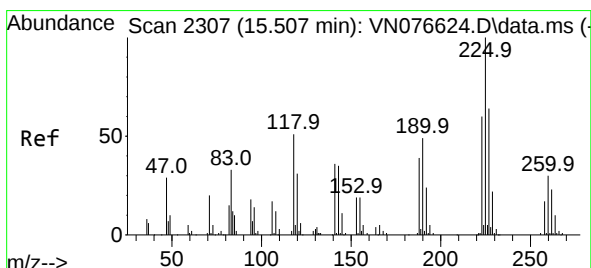
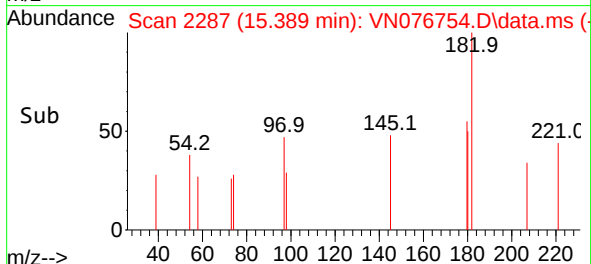
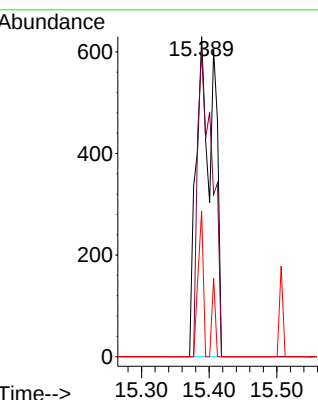
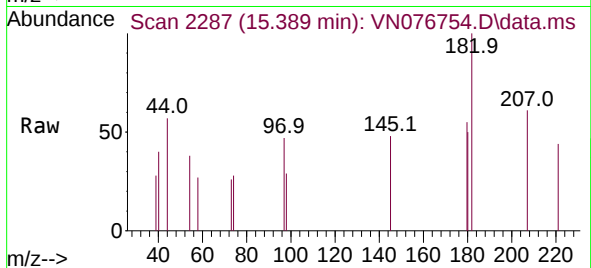
Ion	Ratio	Lower	Upper
180	100		
182	82.3	48.0	144.0
145	13.8	15.2	45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#94

Hexachlorobutadiene

Concen: 0.359 ug/l

RT: 15.506 min Scan# 2307

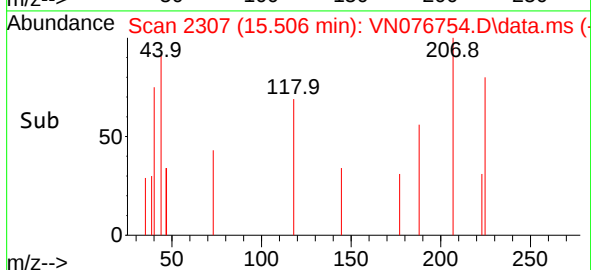
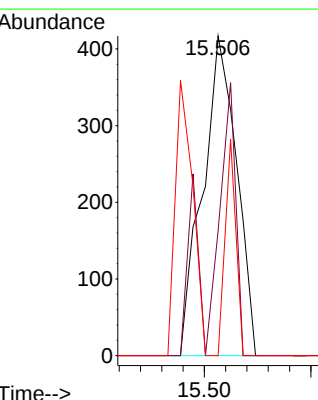
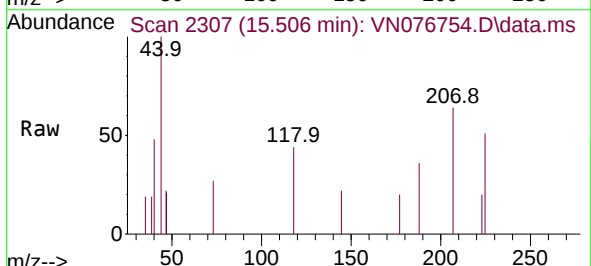
Delta R.T. -0.001 min

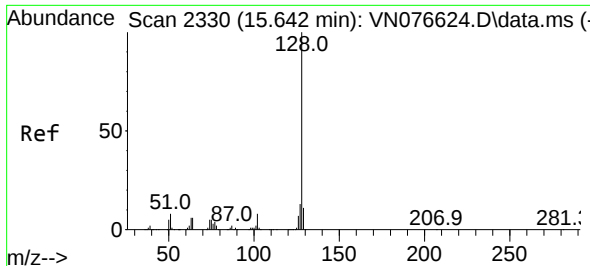
Lab File: VN076754.D

Acq: 21 Feb 2023 16:49

Tgt Ion:225 Resp: 460

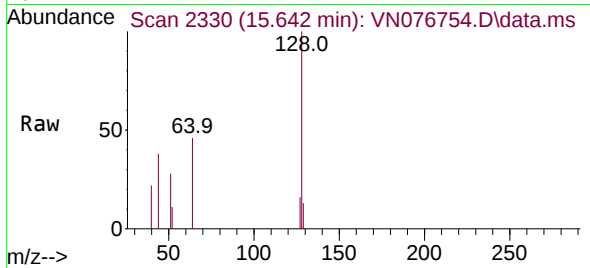
Ion	Ratio	Lower	Upper
225	100		
223	58.0	31.6	95.0
227	21.7	31.3	93.9





#95
Naphthalene
Concen: 0.356 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49

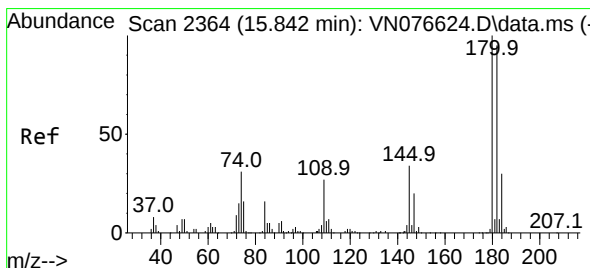
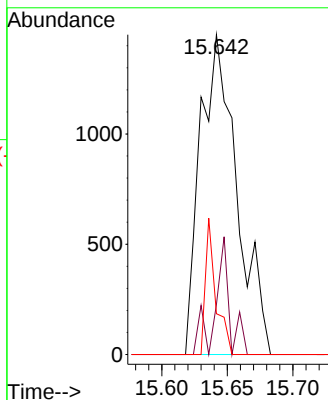
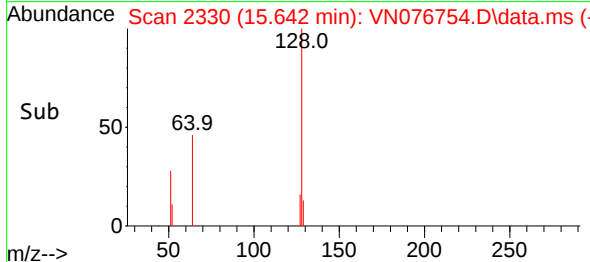
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT1-2023



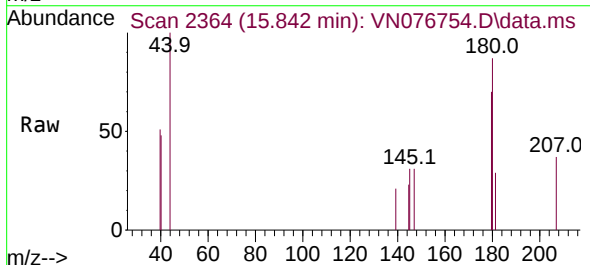
Tgt Ion:128 Resp: 2818
Ion Ratio Lower Upper
128 100
127 14.7 10.6 16.0
129 12.2 8.6 13.0

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 0.569 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN076754.D
Acq: 21 Feb 2023 16:49



Tgt Ion:180 Resp: 1440
Ion Ratio Lower Upper
180 100
182 36.7 46.7 140.1#
145 15.1 16.0 47.9#

