

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079581.D
 Acq On : 17 Oct 2023 14:59
 Operator : JC\MD
 Sample : 04699-07 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Oct 18 02:29:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/18/2023
 Supervised By :Mahesh Dadoda 10/20/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	18360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	130321	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	151803	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	76008	29.118	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.067%		
60) 4-Bromofluorobenzene	12.853	95	68914	24.825	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.733%		
63) Toluene-d8	10.571	98	190915	29.350	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	6234	2.341	ug/l	93
3) Chloromethane	2.365	50	10076	2.920	ug/l	99
4) Vinyl Chloride	2.518	62	8670	2.328	ug/l	95
5) Bromomethane	2.959	94	7014	3.037	ug/l	100
6) Chloroethane	3.124	64	7098m	2.708	ug/l	
7) Trichlorofluoromethane	3.506	101	11232	2.471	ug/l	96
8) Diethyl Ether	3.965	74	3637	2.208	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.377	101	6423m	2.470	ug/l	
10) 1,1-Dichloroethene	4.353	96	5948m	2.404	ug/l	
11) Methyl Iodide	4.589	142	5464m	1.995	ug/l	
12) Methyl Acetate	5.042	43	15688	2.631	ug/l	97
13) Acrolein	4.194	56	5356	10.864	ug/l #	73
14) Acrylonitrile	5.730	53	16299	11.412	ug/l	71
15) Acetone	4.442	58	5440m	12.024	ug/l	
16) Carbon Disulfide	4.712	76	18425	2.443	ug/l #	94
17) Allyl chloride	5.024	41	8462m	2.219	ug/l	
18) Methylene Chloride	5.283	84	8356	2.744	ug/l #	78
19) trans-1,2-Dichloroethene	5.789	96	6571	2.374	ug/l #	81
20) Diisopropyl ether	6.677	45	19643m	2.172	ug/l	
21) 1,1-Dichloroethane	6.565	63	12688m	2.309	ug/l	
22) cis-1,2-Dichloroethene	7.494	96	7196	2.257	ug/l #	83
23) tert-Butyl Alcohol	5.524	59	6926	14.503	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	18156m	2.187	ug/l	
25) Chloroform	7.977	83	13396	2.412	ug/l	97
26) Cyclohexane	8.265	56	8447m	2.033	ug/l	
29) 1,1-Dichloropropene	8.377	75	8679	2.279	ug/l	74
30) 2-Butanone	7.500	43	22864	11.977	ug/l #	80
31) 2,2-Dichloropropane	7.494	77	11259	2.622	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	11088	2.450	ug/l	96
33) Carbon Tetrachloride	8.365	117	9722	2.525	ug/l	93
34) Benzene	8.618	78	29251	2.528	ug/l	97
35) Methacrylonitrile	7.794	41	4687m	2.334	ug/l	
36) 1,2-Dichloroethane	8.682	62	10611	2.568	ug/l #	83
37) Trichloroethene	9.353	130	6895	2.549	ug/l	90
38) Methylcyclohexane	9.606	83	7470	2.037	ug/l	89
39) 1,2-Dichloropropane	9.624	63	7969	2.610	ug/l	98
40) Dibromomethane	9.712	93	5312	2.651	ug/l	97
41) Bromodichloromethane	9.888	83	10536	2.537	ug/l	96
42) Vinyl Acetate	6.606	43	50989m	10.529	ug/l	

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Manual Integrations
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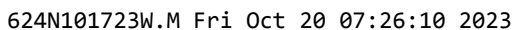
Reviewed By : John Carlone 10/18/2023
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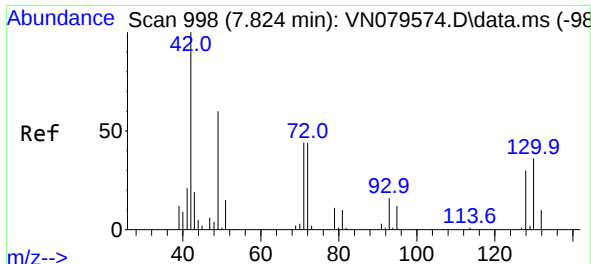
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	10054	2.801	ug/l #	91
44) Isopropyl Acetate	8.694	43	15485	2.427	ug/l	91
45) 1,4-Dioxane	9.700	88	2292m	45.885	ug/l	
46) Methyl methacrylate	9.688	41	5926	2.093	ug/l	86
47) n-amyl Acetate	12.494	43	7288	1.582	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	9108	2.169	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	9787	2.132	ug/l	98
50) 1,1,2-Trichloroethane	11.023	97	7153	2.573	ug/l	97
51) Ethyl methacrylate	10.882	69	7760	2.023	ug/l	92
52) 1,3-Dichloropropane	11.171	76	11136	2.261	ug/l	93
53) Dibromochloromethane	11.365	129	7077	2.491	ug/l	100
54) 1,2-Dibromoethane	11.470	107	6245	2.277	ug/l	92
55) 2-Chloroethyl vinyl ether	10.165	63	10665	7.288	ug/l #	88
56) Bromoform	12.588	173	4278	2.276	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	40425	11.417	ug/l	98
59) 2-Hexanone	11.206	43	28363	10.919	ug/l	94
61) Tetrachloroethene	11.106	164	5679	2.725	ug/l	85
62) Toluene	10.635	91	28897	2.491	ug/l	99
64) Chlorobenzene	11.894	112	17619	2.618	ug/l #	87
65) 1,1,1,2-Tetrachloroethane	11.959	131	6521	2.544	ug/l	95
66) Ethyl Benzene	11.970	91	26473	2.215	ug/l	93
67) m/p-Xylenes	12.076	106	18250	4.128	ug/l	97
68) o-Xylene	12.400	106	7763	1.837	ug/l	91
69) Styrene	12.412	104	11142	1.661	ug/l #	87
70) Isopropylbenzene	12.706	105	21902	2.019	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.941	83	10087	2.615	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	8398m	2.398	ug/l	
73) Bromobenzene	12.988	156	5639	2.213	ug/l	92
74) n-propylbenzene	13.035	91	23206	1.838	ug/l	97
75) 2-Chlorotoluene	13.129	91	14796	1.885	ug/l	94
76) 1,3,5-Trimethylbenzene	13.176	105	15356	1.732	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	2148	2.009	ug/l	90
78) 4-Chlorotoluene	13.229	91	13168	1.775	ug/l	98
79) tert-butylbenzene	13.441	119	13607	1.909	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	13217	1.538	ug/l	97
81) sec-Butylbenzene	13.617	105	17942	1.793	ug/l	99
82) p-Isopropyltoluene	13.735	119	12436	1.566	ug/l	96
83) 1,3-Dichlorobenzene	13.741	146	7297	1.742	ug/l	95
84) 1,4-Dichlorobenzene	13.817	146	6575	1.637	ug/l	95
85) n-Butylbenzene	14.059	91	8681	1.399	ug/l	93
86) Hexachloroethane	14.341	117	4136	2.410	ug/l	100
87) 1,2-Dichlorobenzene	14.111	146	7551	1.813	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.717	75	1194	2.032	ug/l #	78
89) 1,2,4-Trichlorobenzene	15.847	180	1956m	1.333	ug/l	
90) Hexachlorobutadiene	15.511	225	2190	2.106	ug/l	78
91) Naphthalene	15.647	128	5151	1.360	ug/l #	78
92) 1,2,3-Trichlorobenzene	15.847	180	1956m	1.333	ug/l	

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

Manual Integrations

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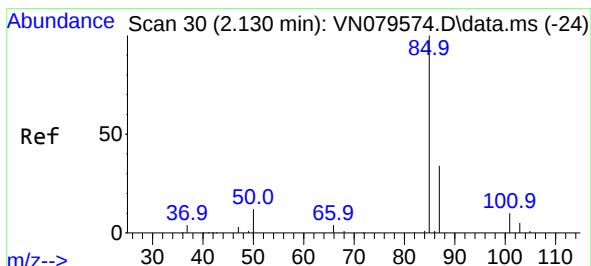
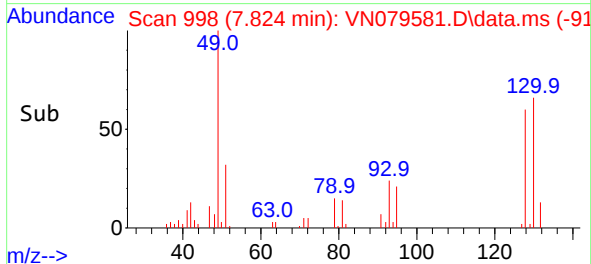
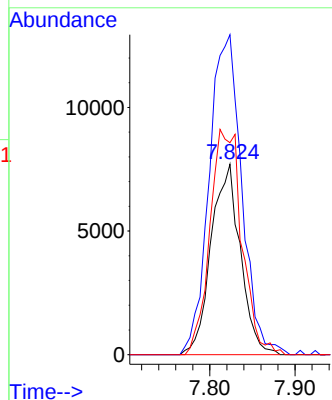
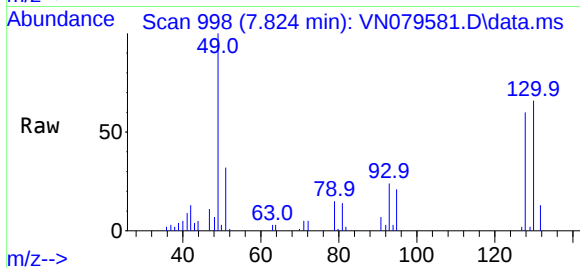
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079581.D
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Tgt Ion:128 Resp: 18360
Ion Ratio Lower Upper
128 100
49 185.6 0.0 468.5
130 85.5 0.0 320.7

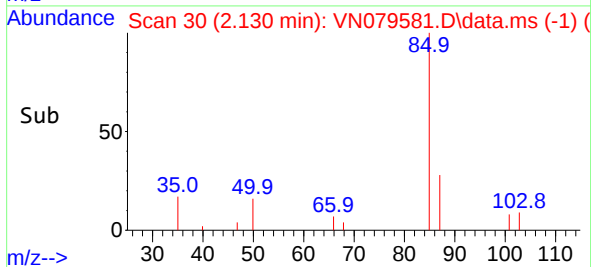
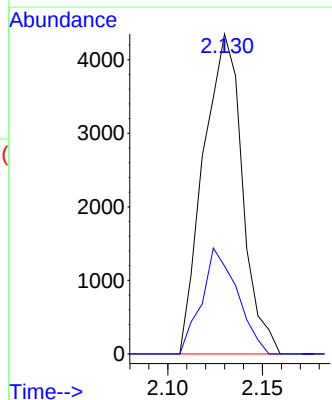
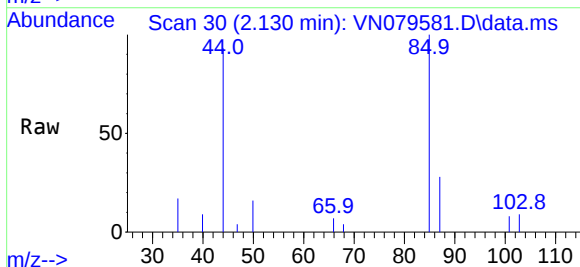
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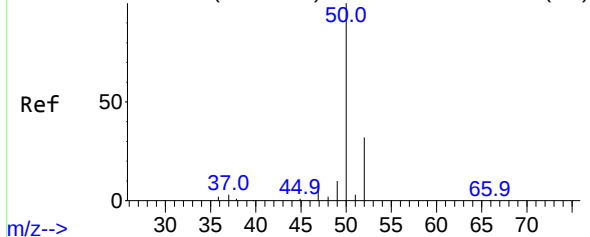


#2
Dichlorodifluoromethane
Concen: 2.341 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 85 Resp: 6234
Ion Ratio Lower Upper
85 100
87 27.5 15.6 46.7



Abundance Scan 70 (2.365 min): VN079574.D\data.ms (-64)



#3

Chloromethane

Concen: 2.920 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 50 Resp: 10070

Ion Ratio Lower Upper

50 100

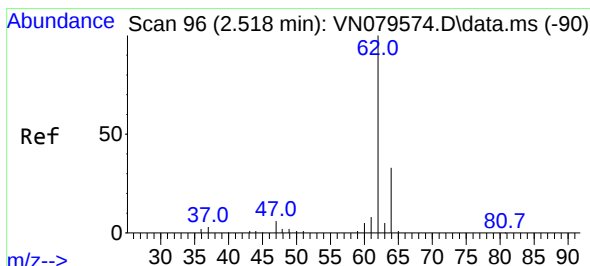
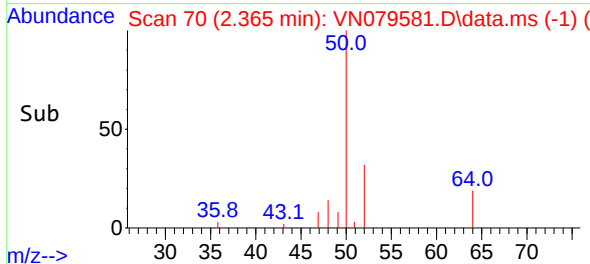
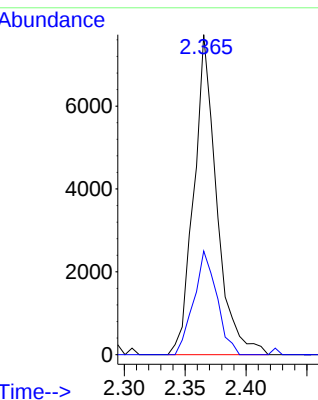
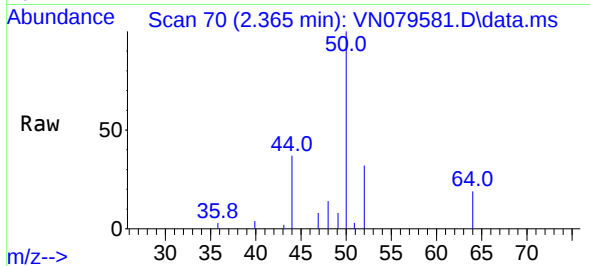
52 32.4 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.328 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.000 min

Lab File: VN079581.D

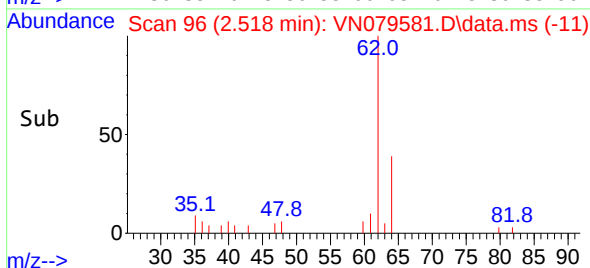
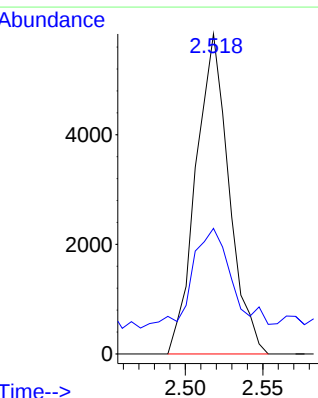
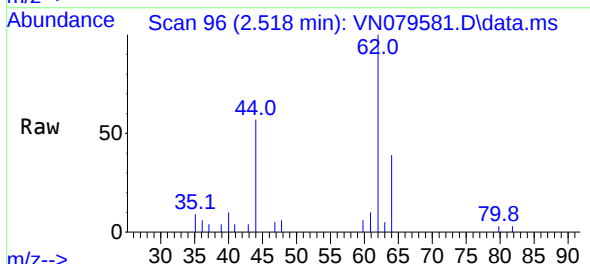
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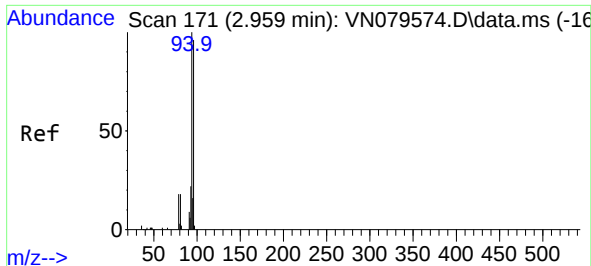
Tgt Ion: 62 Resp: 8670

Ion Ratio Lower Upper

62 100

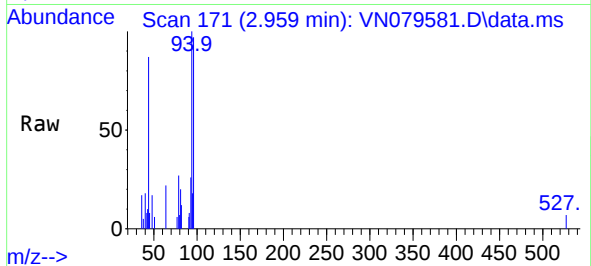
64 30.0 26.4 39.6





#5
Bromomethane
Concen: 3.037 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

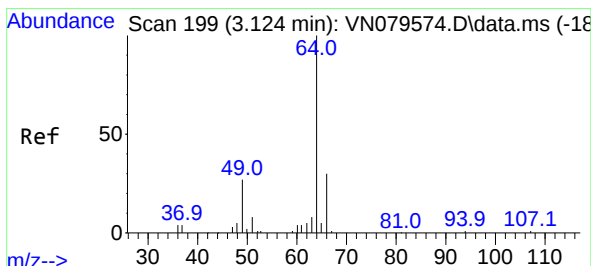
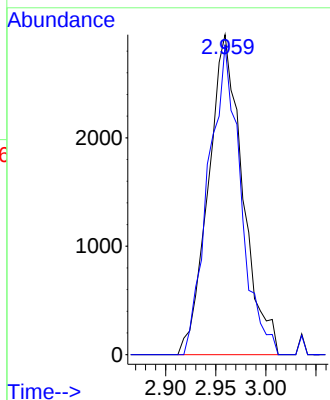
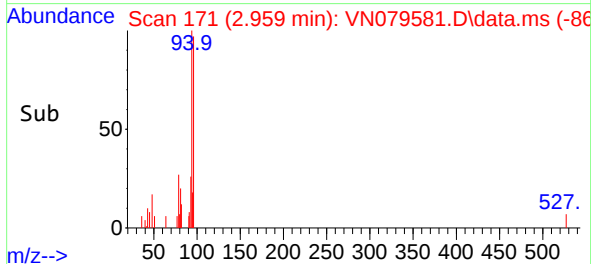
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



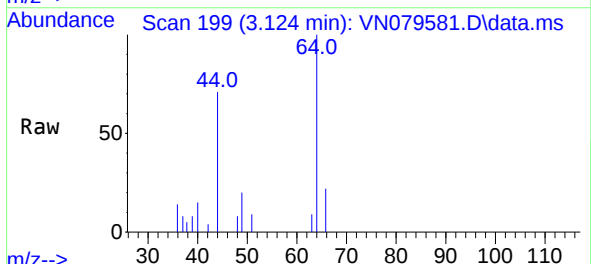
Tgt Ion: 94 Resp: 7014
Ion Ratio Lower Upper
94 100
96 96.9 77.8 116.6

Manual Integrations
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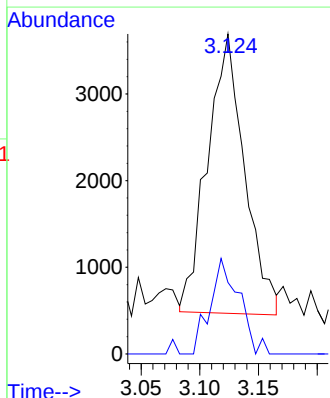
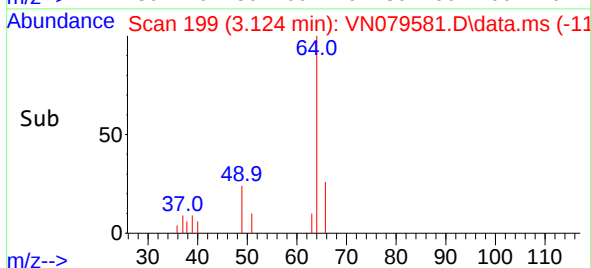
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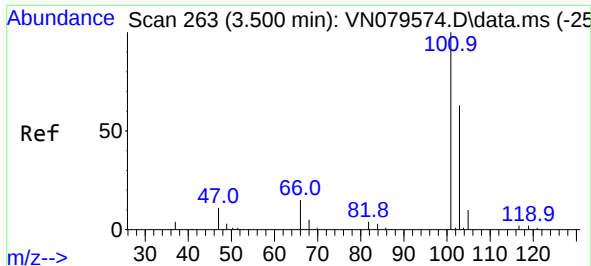


#6
Chloroethane
Concen: 2.708 ug/l m
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



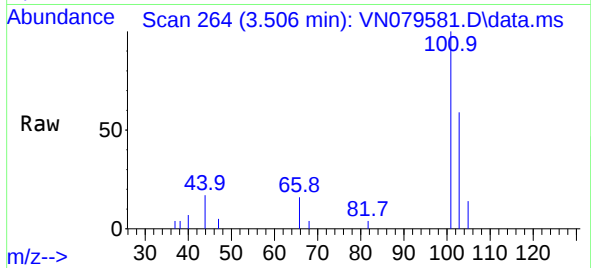
Tgt Ion: 64 Resp: 7098
Ion Ratio Lower Upper
64 100
66 22.3 23.3 34.9#





#7
Trichlorofluoromethane
Concen: 2.471 ug/l
RT: 3.506 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN079581.D
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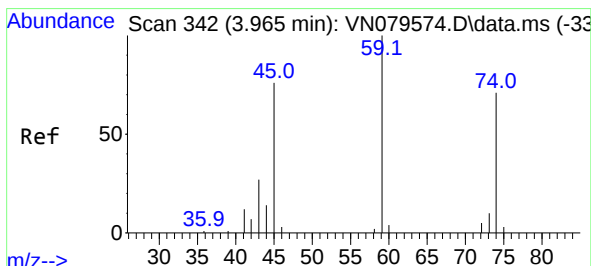
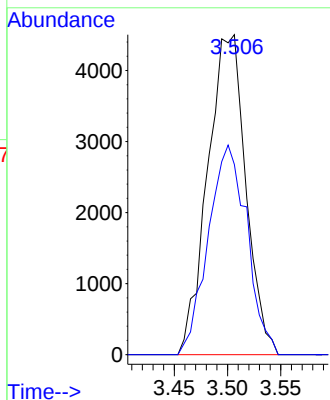
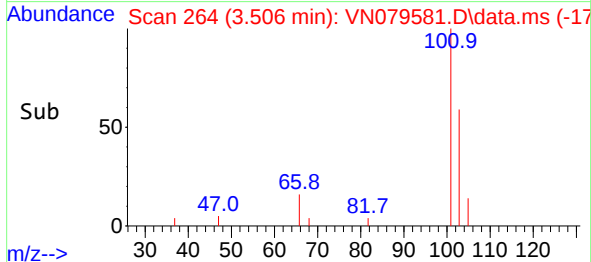
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Tgt Ion:101 Resp: 1123
Ion Ratio Lower Upper
101 100
103 59.4 49.9 74.9

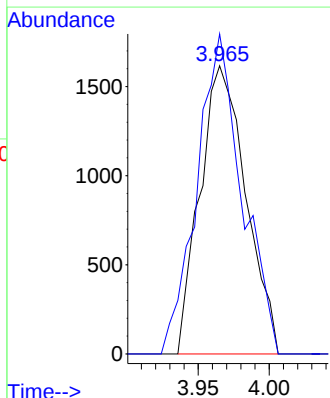
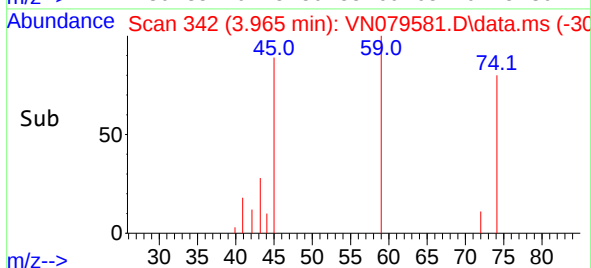
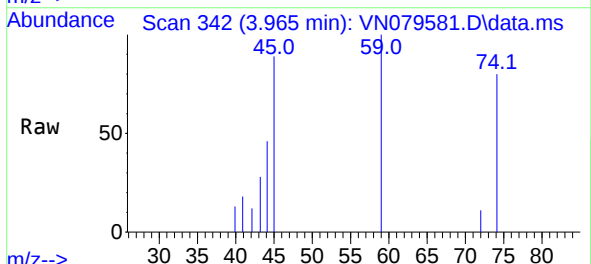
Manual Integrations
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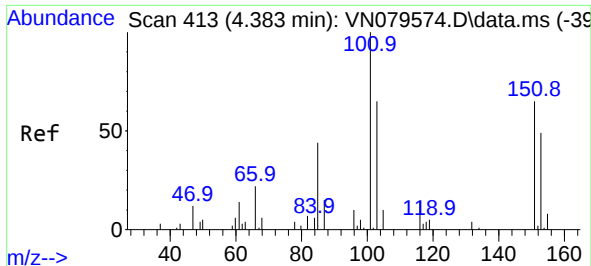
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#8
Diethyl Ether
Concen: 2.208 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 74 Resp: 3637
Ion Ratio Lower Upper
74 100
45 109.0 19.0 171.0





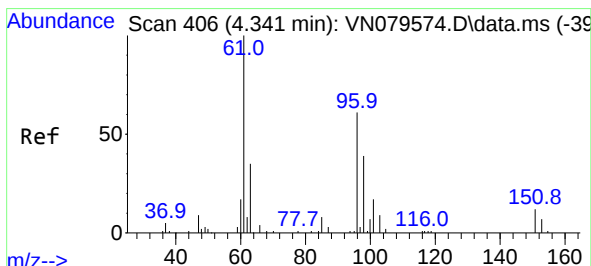
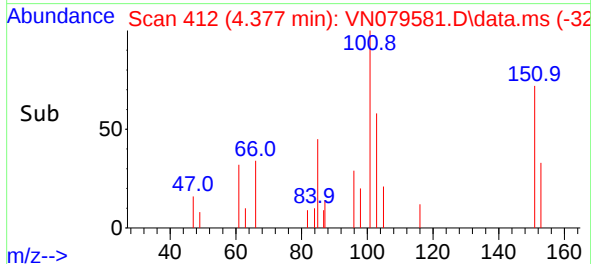
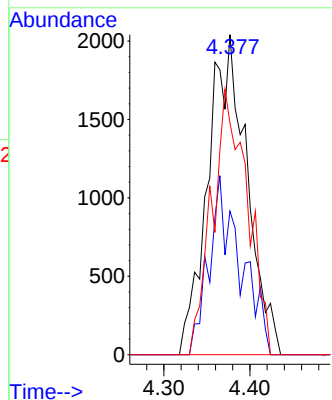
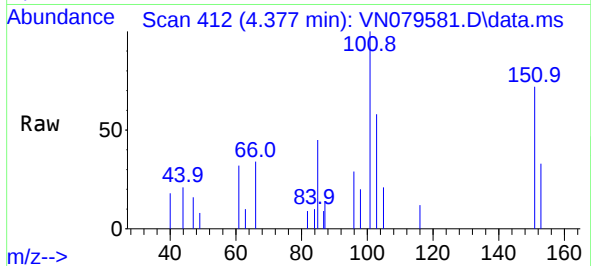
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1,1,2-Trichlorotrifluoroethane
Concen: 2.470 ug/l m
RT: 4.377 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN079581.D
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Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 642
Ion Ratio Lower Upper
101 100
85 11.6 0.0 92.0
151 48.3 0.0 138.4

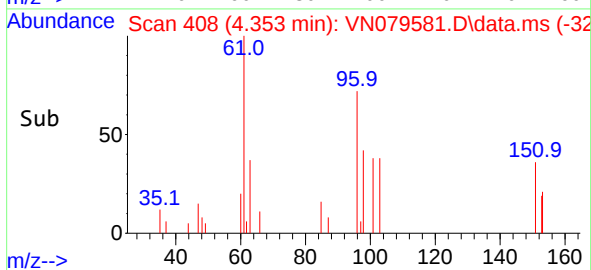
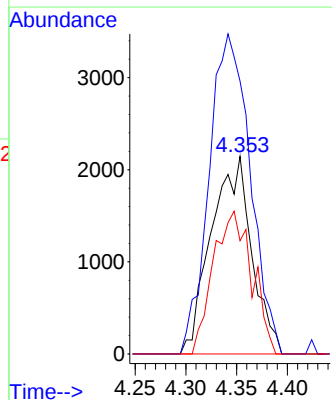
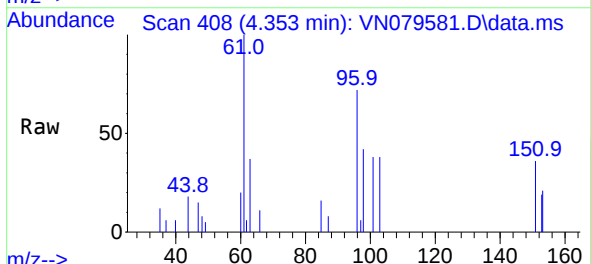
Manual Integrations
APPROVED

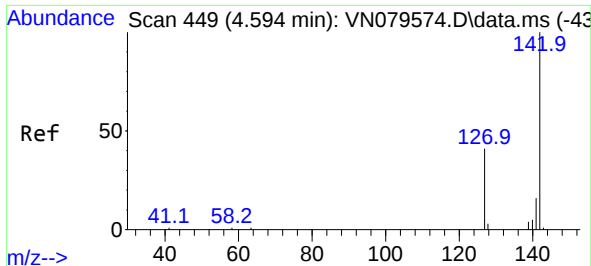
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#10
1,1-Dichloroethene
Concen: 2.404 ug/l m
RT: 4.353 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

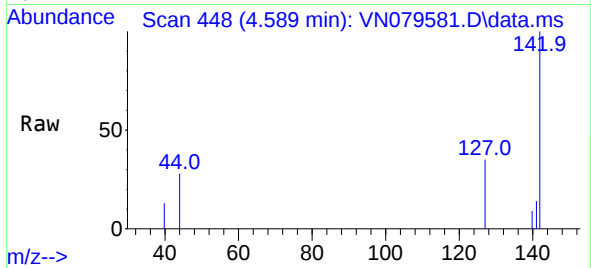
Tgt Ion: 96 Resp: 5948
Ion Ratio Lower Upper
96 100
61 138.0 141.3 211.9#
98 57.3 53.2 79.8





#11
Methyl Iodide
Concen: 1.995 ug/l m
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

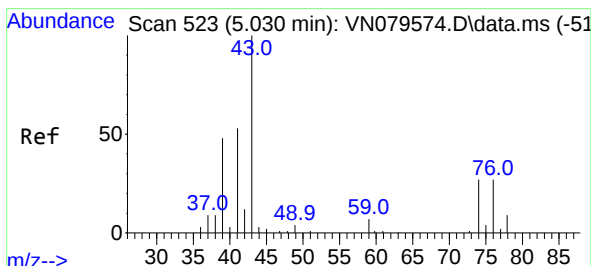
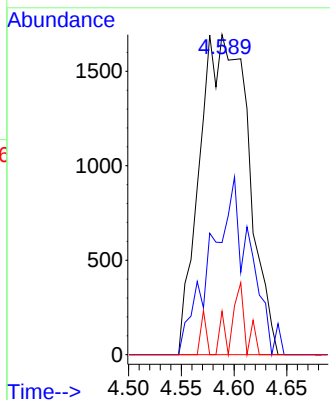
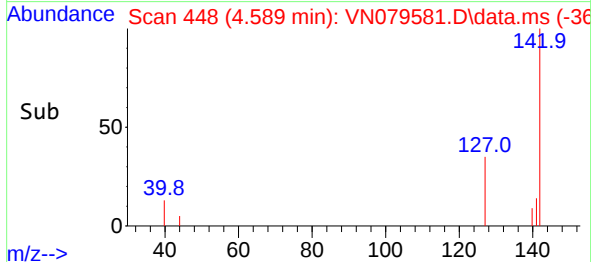
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:142 Resp: 5464
Ion Ratio Lower Upper
142 100
127 35.1 24.6 73.8
141 13.5 7.7 23.1

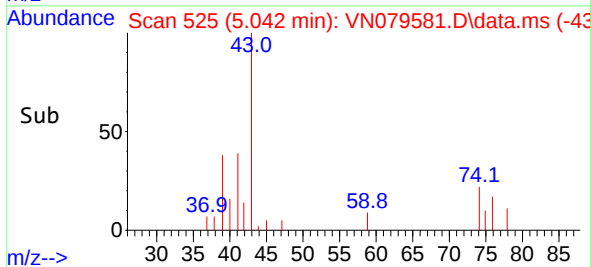
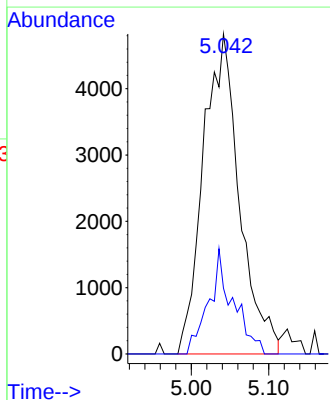
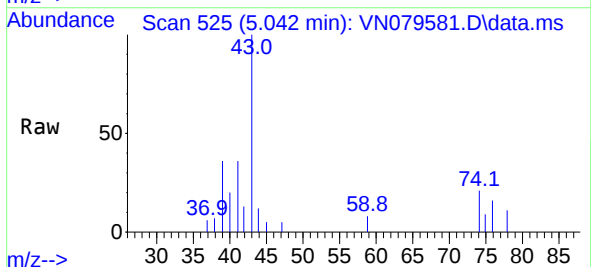
Manual Integrations
APPROVED

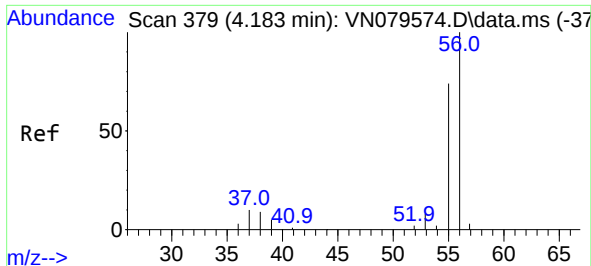
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#12
Methyl Acetate
Concen: 2.631 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 43 Resp: 15688
Ion Ratio Lower Upper
43 100
74 21.0 18.1 27.1





#13

Acrolein

Concen: 10.864 ug/l

RT: 4.194 min Scan# 381

Delta R.T. 0.012 min

Lab File: VN079581.D

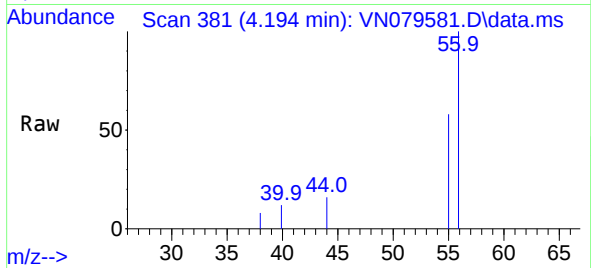
Acq: 17 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 56 Resp: 5350

Ion Ratio Lower Upper

56 100

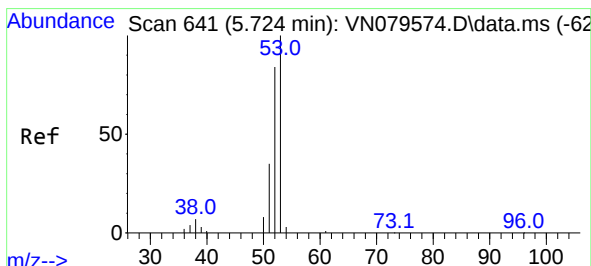
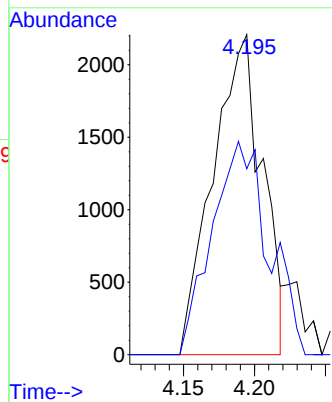
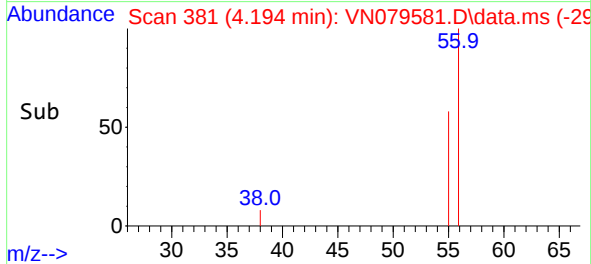
55 48.8 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#14

Acrylonitrile

Concen: 11.412 ug/l

RT: 5.730 min Scan# 642

Delta R.T. 0.006 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

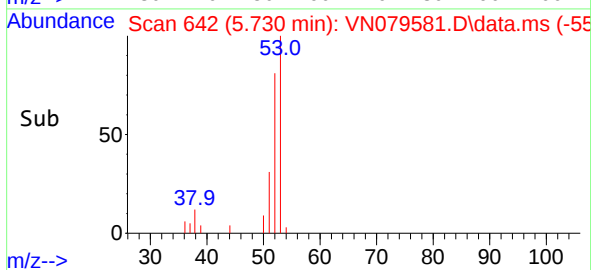
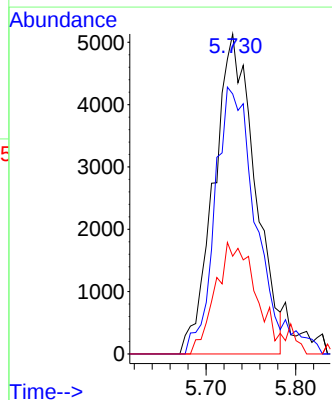
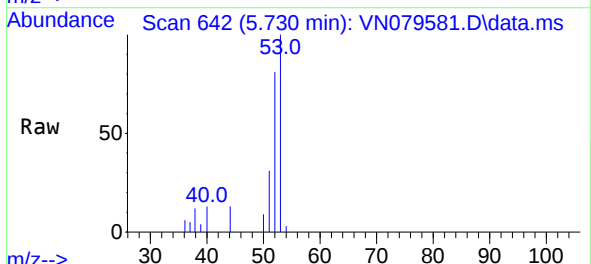
Tgt Ion: 53 Resp: 16299

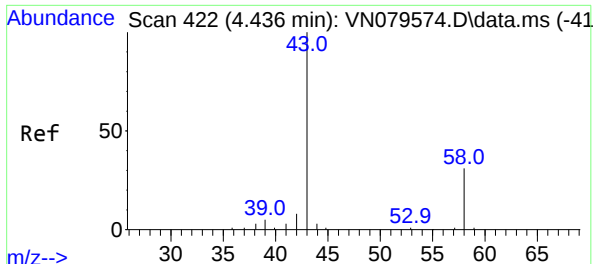
Ion Ratio Lower Upper

53 100

52 48.5 41.6 124.9

51 31.7 17.8 53.3





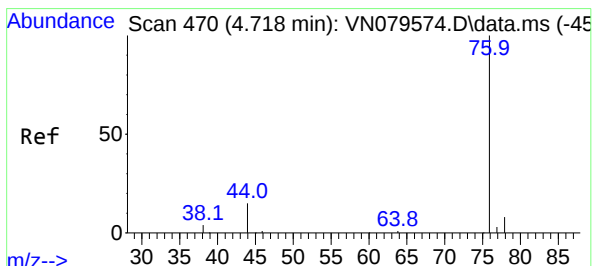
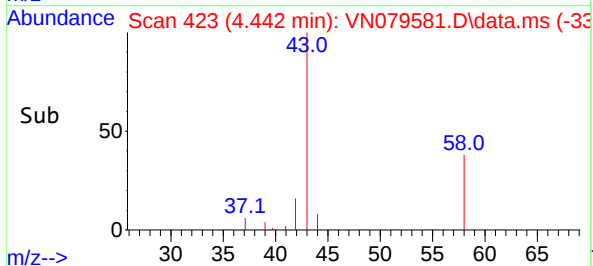
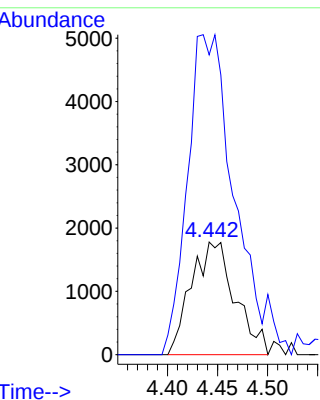
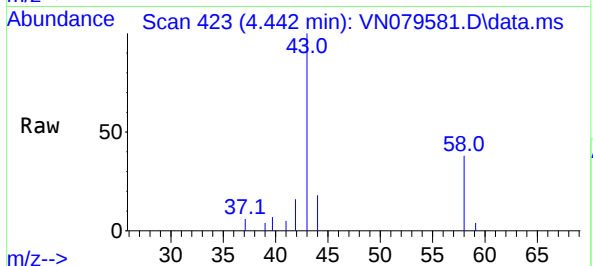
#15
Acetone
Concen: 12.024 ug/l m
RT: 4.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 58 Resp: 5440
Ion Ratio Lower Upper
58 100
43 266.3 225.2 337.8

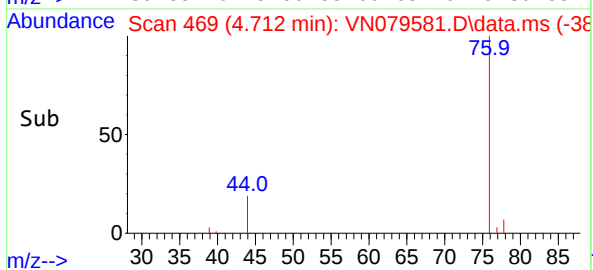
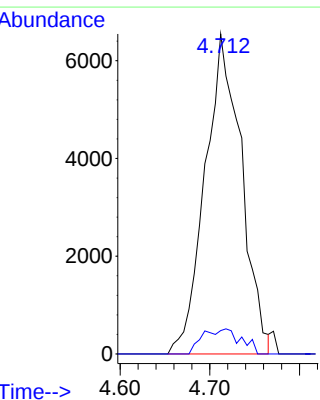
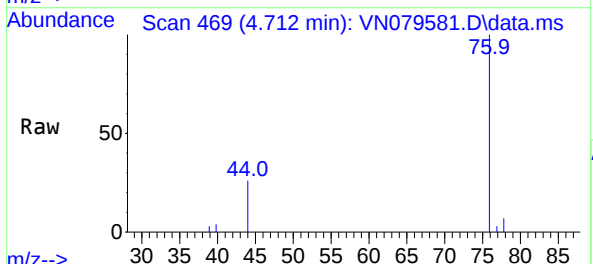
Manual Integrations
APPROVED

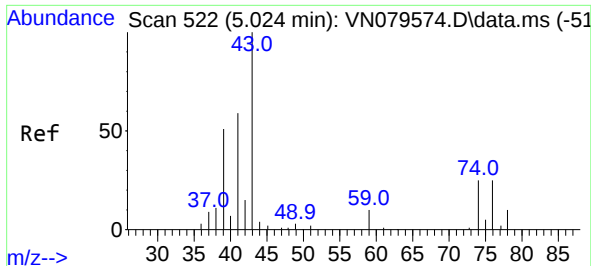
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#16
Carbon Disulfide
Concen: 2.443 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

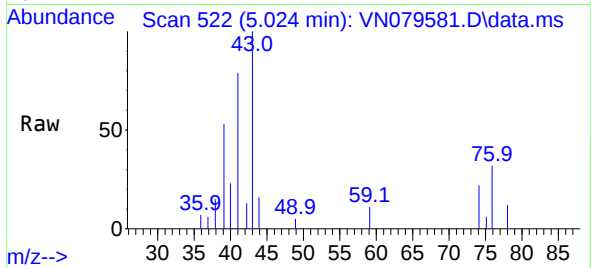
Tgt Ion: 76 Resp: 18425
Ion Ratio Lower Upper
76 100
78 7.3 7.5 11.3#





#17
 Allyl chloride
 Concen: 2.219 ug/l m
 RT: 5.024 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN079581.D
 Acq: 17 Oct 2023 14:59

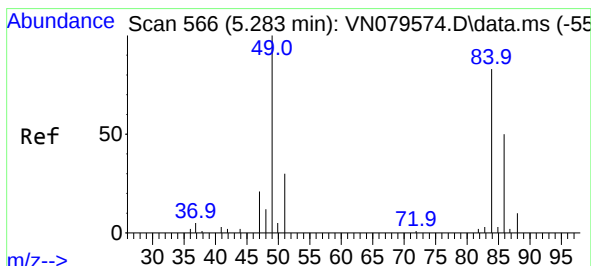
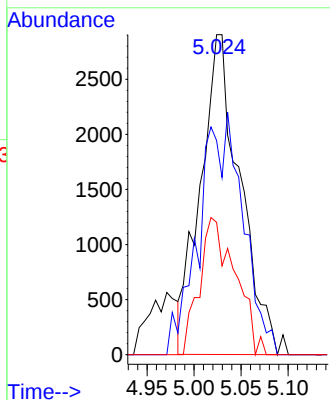
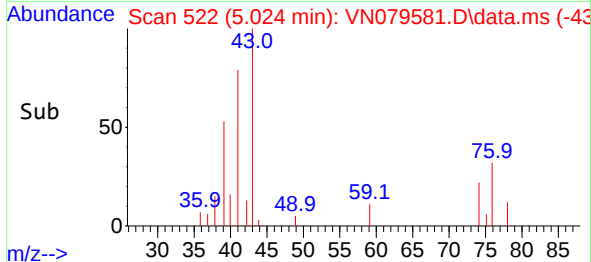
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023



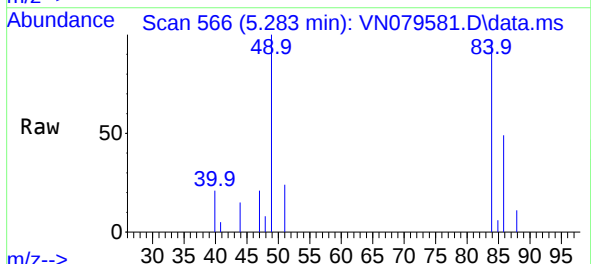
Tgt Ion: 41 Resp: 846
 Ion Ratio Lower Upper
 41 100
 39 66.9 38.4 115.2
 76 41.3 19.5 58.5

Manual Integrations
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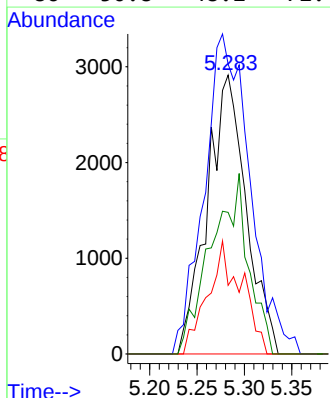
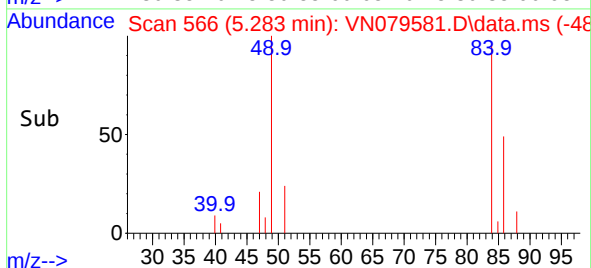
Reviewed By :John Carlone 10/18/2023
 Supervised By :Mahesh Dadoda 10/20/2023

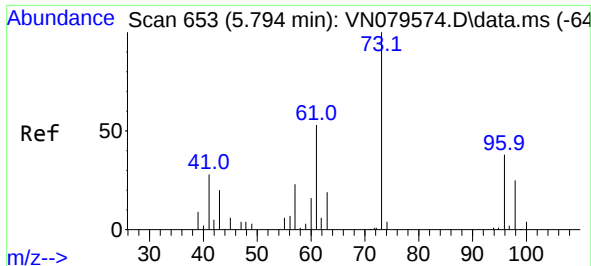


#18
 Methylene Chloride
 Concen: 2.744 ug/l
 RT: 5.283 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: VN079581.D
 Acq: 17 Oct 2023 14:59



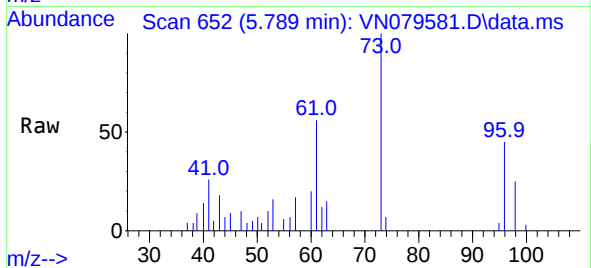
Tgt Ion: 84 Resp: 8356
 Ion Ratio Lower Upper
 84 100
 49 95.5 100.9 151.3#
 51 24.6 29.4 44.2#
 86 50.8 48.2 72.4





#19
trans-1,2-Dichloroethene
Concen: 2.374 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

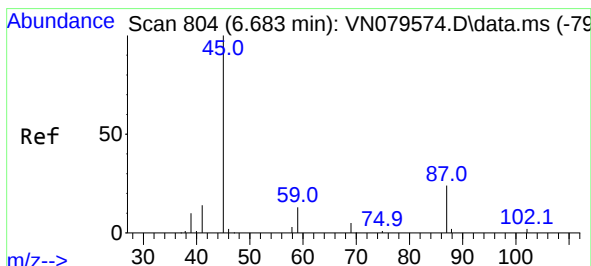
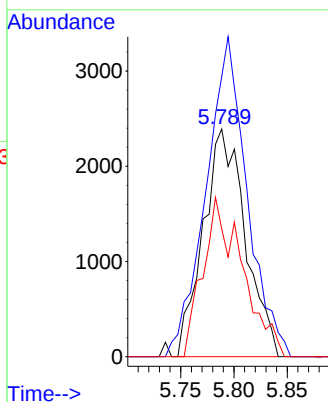
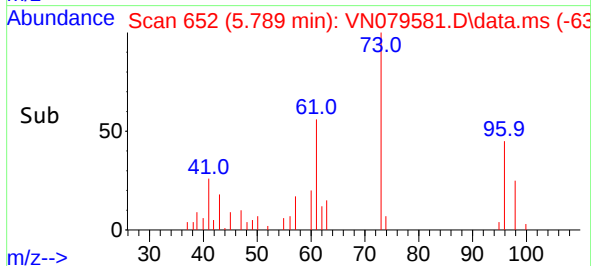
Instrument : MSVOA_N
Client SampleId : LOD-MDL-WATER-01-QT4-2023



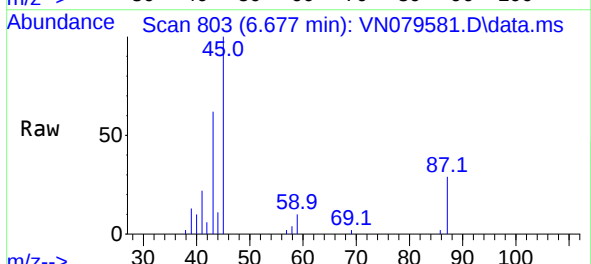
Tgt Ion: 96 Resp: 6572
Ion Ratio Lower Upper
96 100
61 113.2 113.4 170.0
98 56.1 50.4 75.6

Manual Integrations
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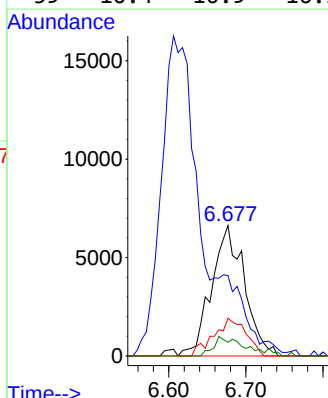
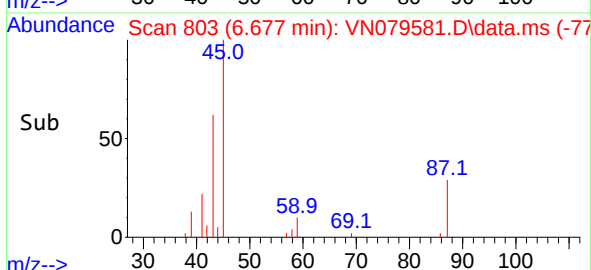
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

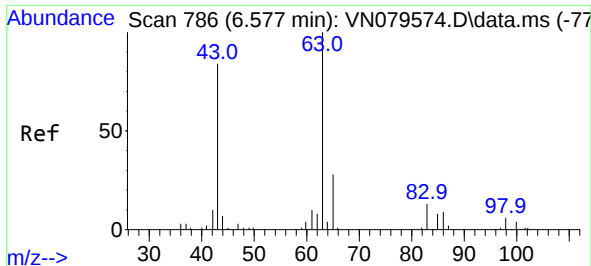


#20
Diisopropyl ether
Concen: 2.172 ug/l m
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



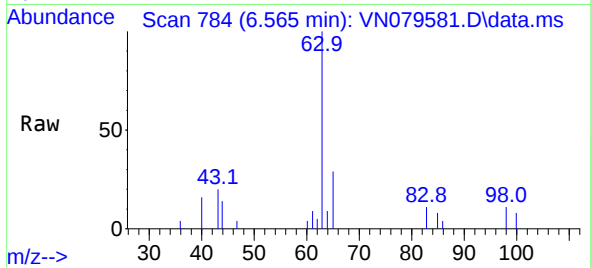
Tgt Ion: 45 Resp: 19643
Ion Ratio Lower Upper
45 100
43 61.6 42.1 63.1
87 28.9 20.5 30.7
59 10.4 10.9 16.3





#21
1,1-Dichloroethane
Concen: 2.309 ug/l m
RT: 6.565 min Scan# 784
Delta R.T. -0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

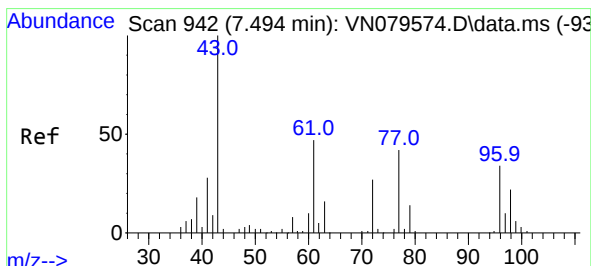
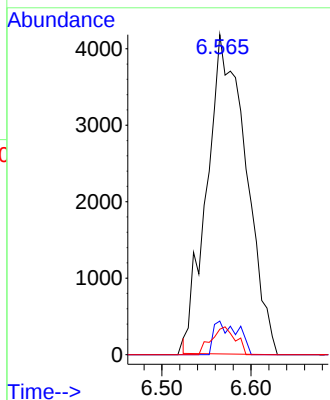
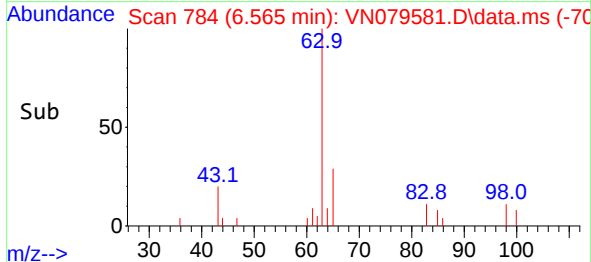
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 63 Resp: 12688
Ion Ratio Lower Upper
63 100
98 10.5 2.8 8.4
100 7.9 1.9 5.7

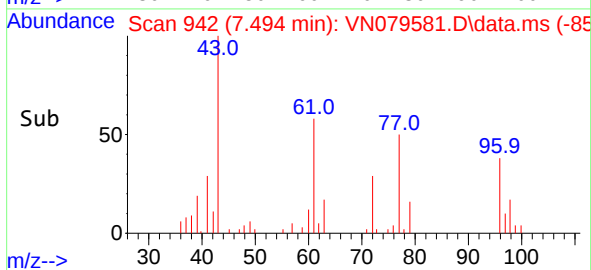
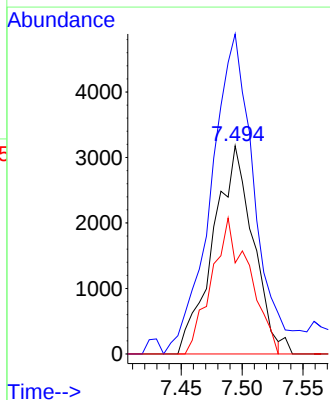
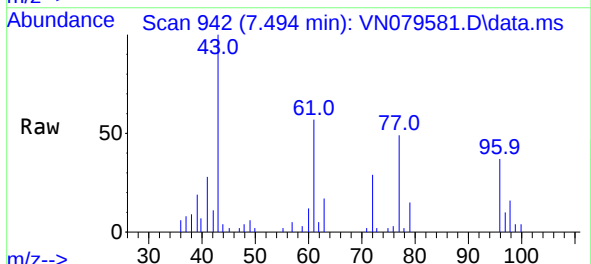
Manual Integrations
APPROVED

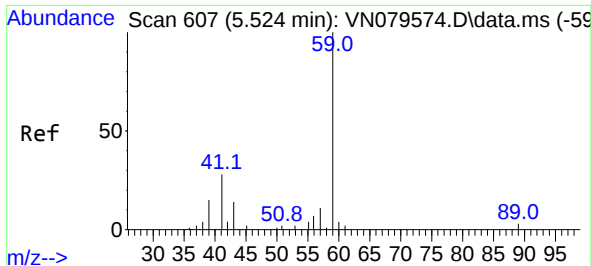
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#22
cis-1,2-Dichloroethene
Concen: 2.257 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

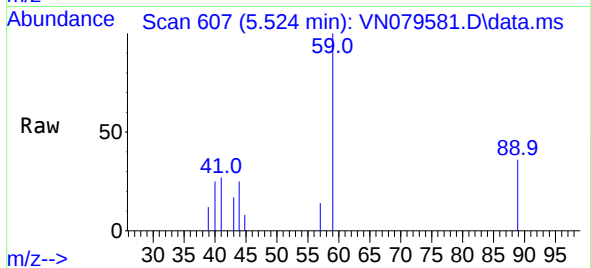
Tgt Ion: 96 Resp: 7196
Ion Ratio Lower Upper
96 100
61 167.4 124.6 186.8
98 39.0 54.2 81.4





#23
tert-Butyl Alcohol
Concen: 14.503 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

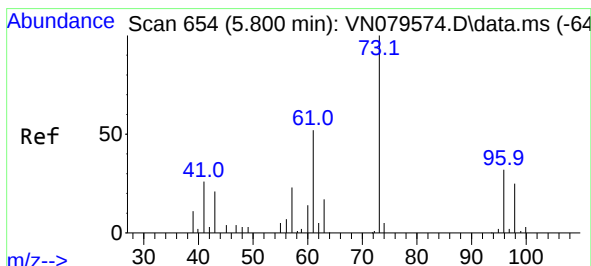
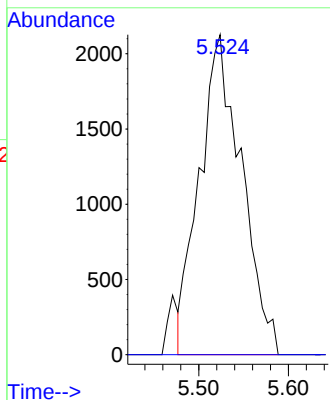
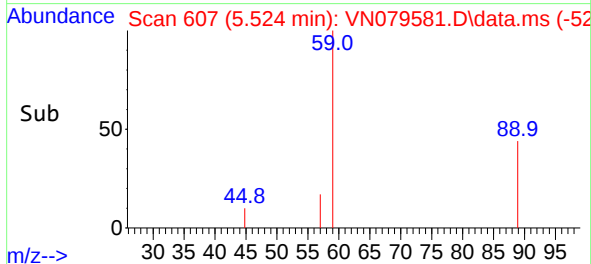
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



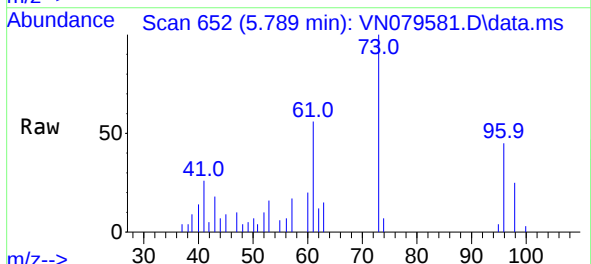
Tgt Ion: 59 Resp: 6920
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
APPROVED

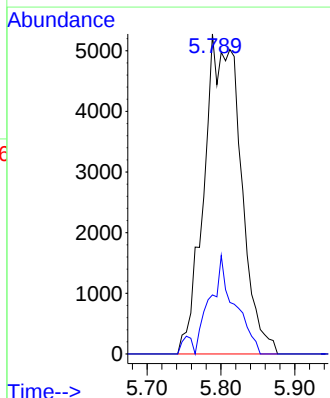
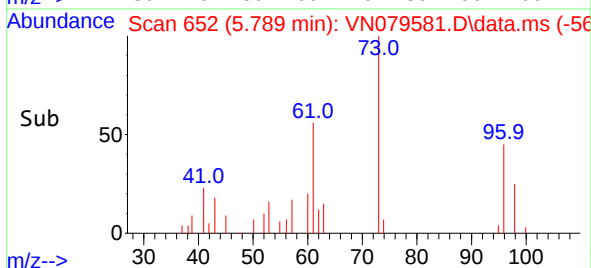
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

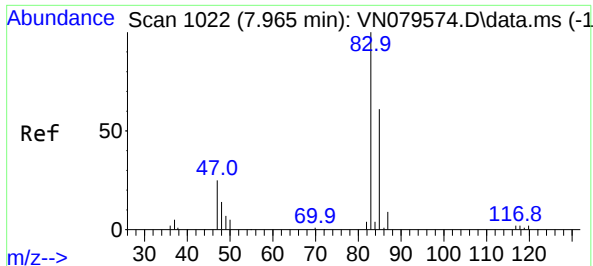


#24
Methyl tert-Butyl Ether
Concen: 2.187 ug/l m
RT: 5.789 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion: 73 Resp: 18156
Ion Ratio Lower Upper
73 100
43 7.6 16.6 24.8#





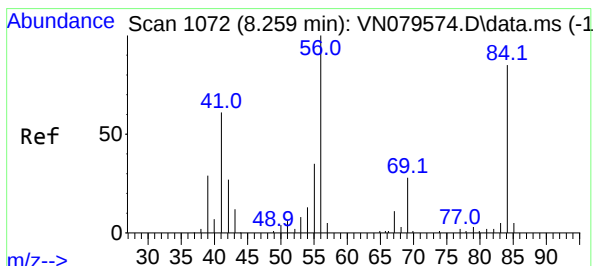
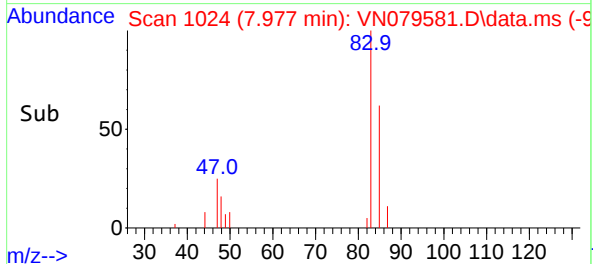
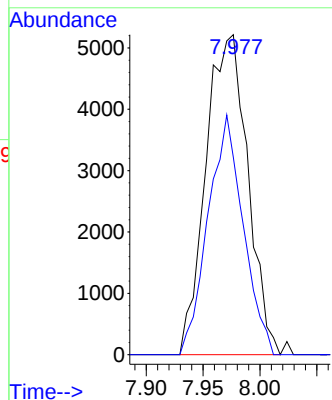
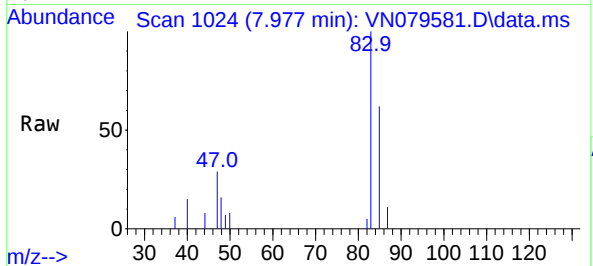
#25
Chloroform
Concen: 2.412 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 83 Resp: 13390
Ion Ratio Lower Upper
83 100
85 61.7 47.4 71.2

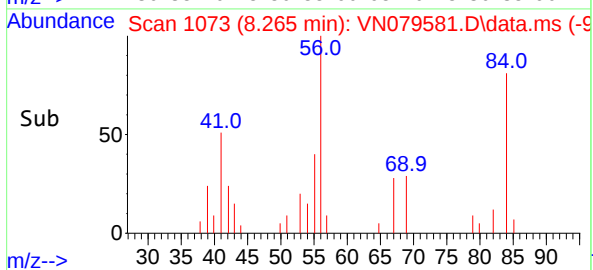
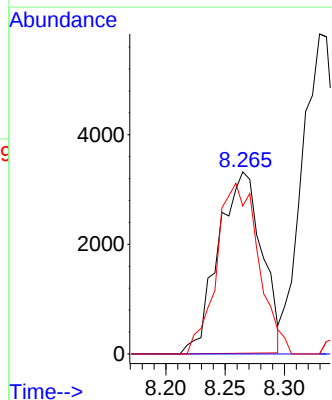
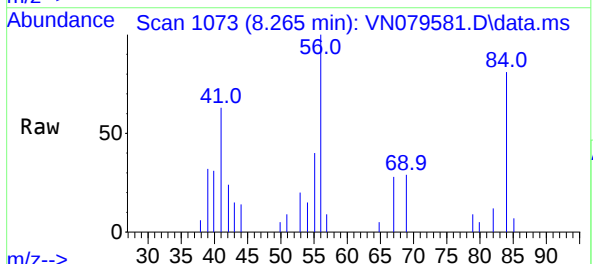
Manual Integrations
APPROVED

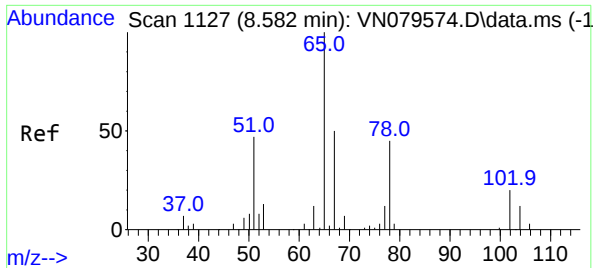
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#26
Cyclohexane
Concen: 2.033 ug/l m
RT: 8.265 min Scan# 1073
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 56 Resp: 8447
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.8 69.0 103.4





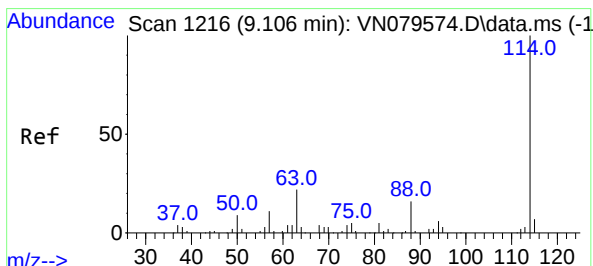
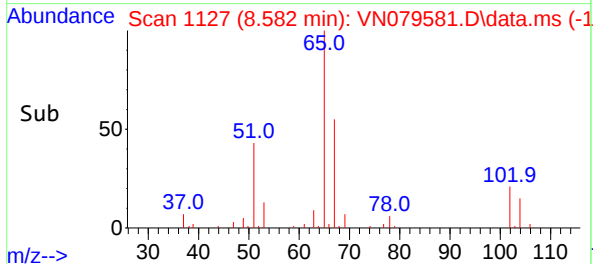
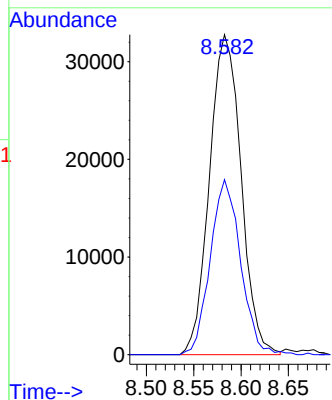
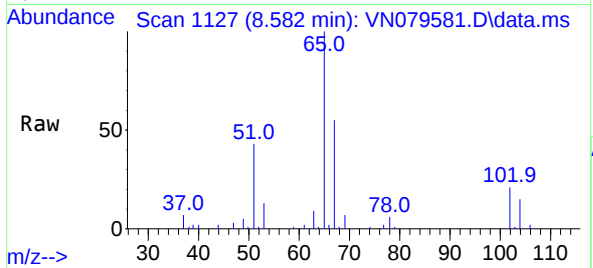
#27
1,2-Dichloroethane-d4
Concen: 29.118 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 65 Resp: 76008
Ion Ratio Lower Upper
65 100
67 52.2 42.1 63.1

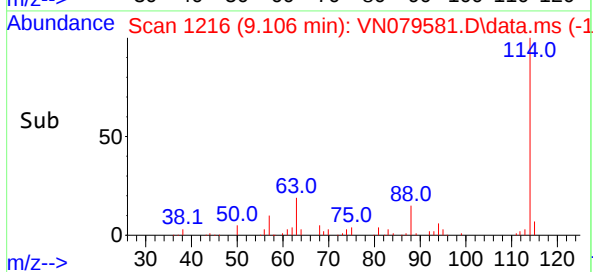
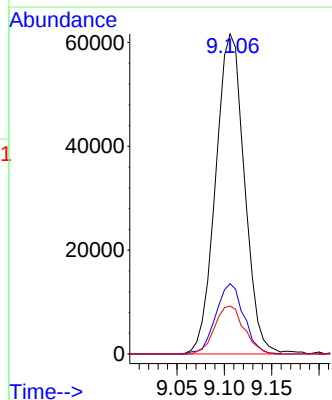
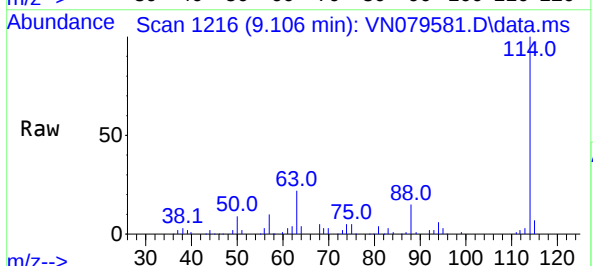
Manual Integrations
APPROVED

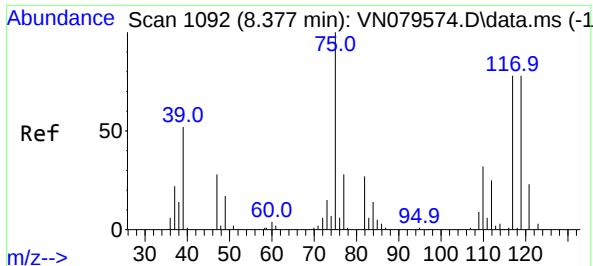
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

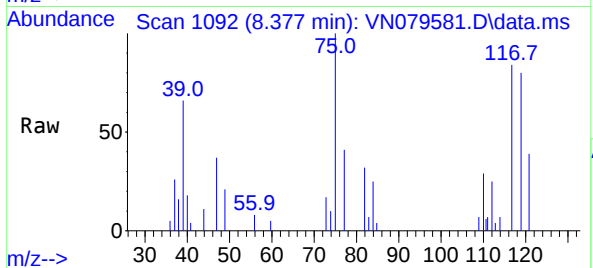
Tgt Ion:114 Resp: 130321
Ion Ratio Lower Upper
114 100
63 21.3 18.1 27.1
88 15.3 12.2 18.2





#29
1,1-Dichloropropene
Concen: 2.279 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

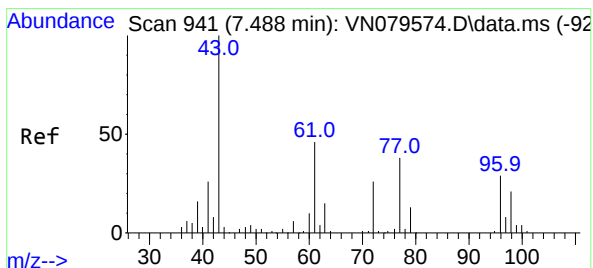
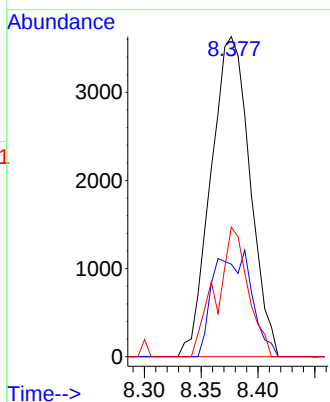
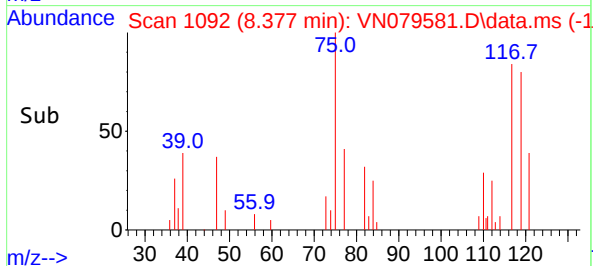
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



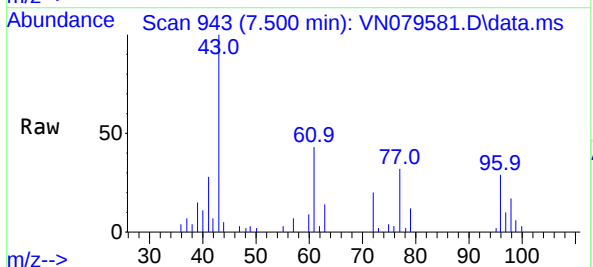
Tgt Ion: 75 Resp: 8679
Ion Ratio Lower Upper
75 100
110 10.8 0.0 66.8
77 24.3 0.0 61.2

Manual Integrations
APPROVED

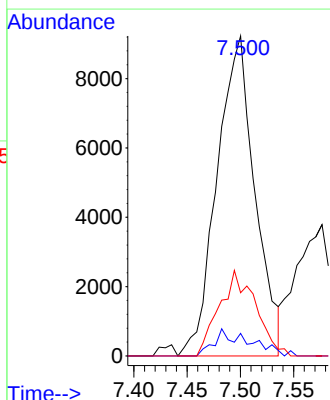
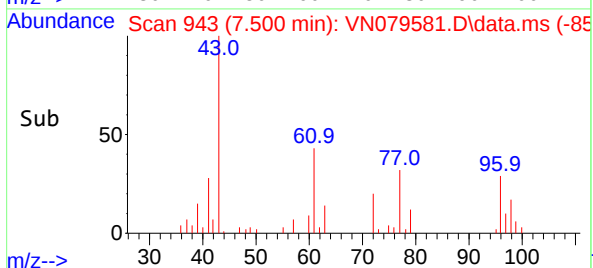
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

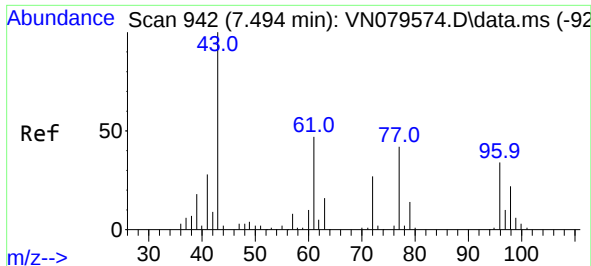


#30
2-Butanone
Concen: 11.977 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion: 43 Resp: 22864
Ion Ratio Lower Upper
43 100
57 1.5 6.4 9.6#
72 15.5 20.7 31.1#





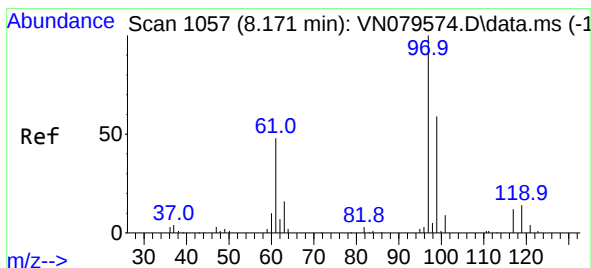
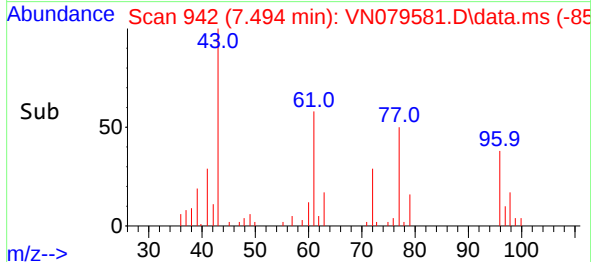
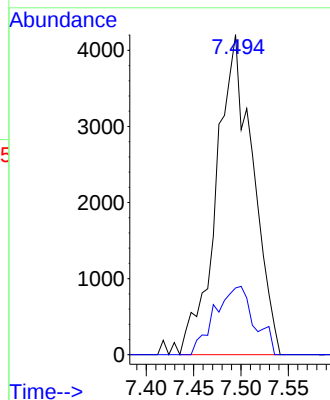
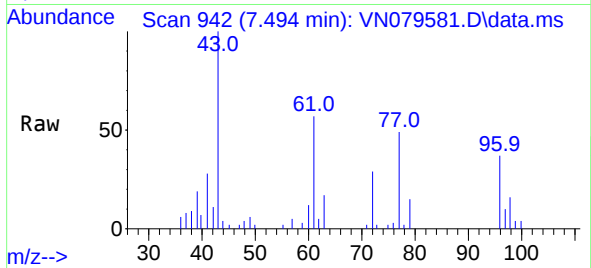
#31
2,2-Dichloropropane
Concen: 2.622 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 77 Resp: 11259
Ion Ratio Lower Upper
77 100
97 14.8 17.9 26.9

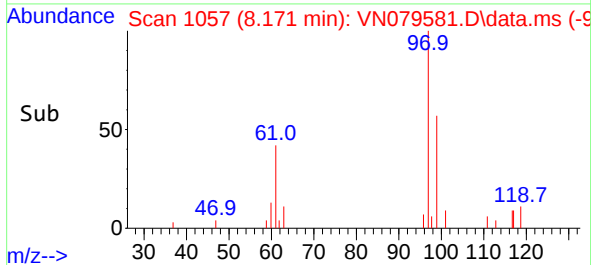
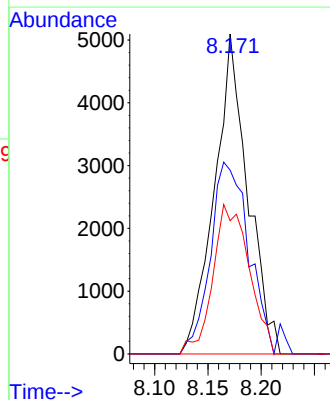
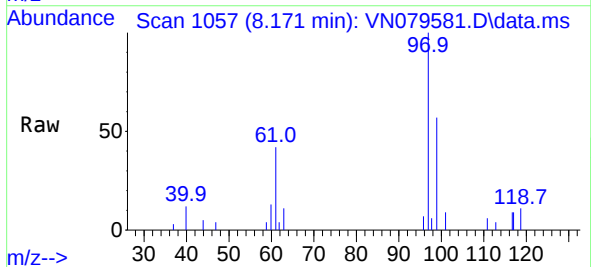
Manual Integrations
APPROVED

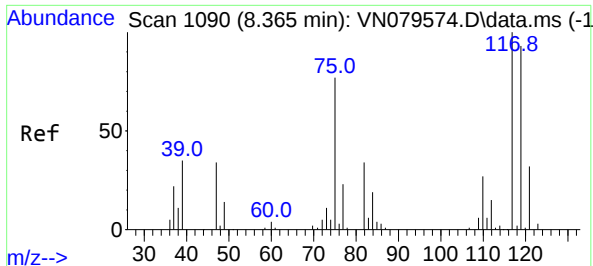
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#32
1,1,1-Trichloroethane
Concen: 2.450 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

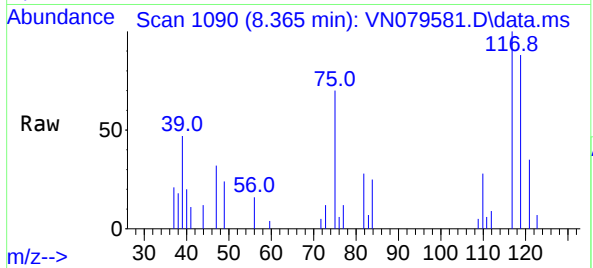
Tgt Ion: 97 Resp: 11088
Ion Ratio Lower Upper
97 100
99 68.8 51.9 77.9
61 49.5 37.6 56.4





#33
Carbon Tetrachloride
Concen: 2.525 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

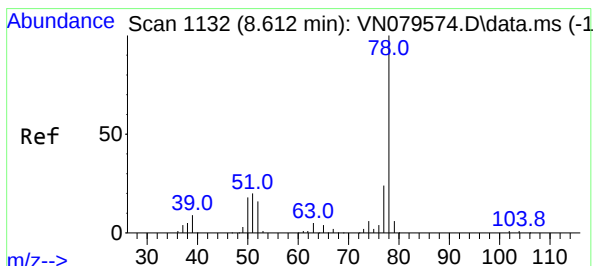
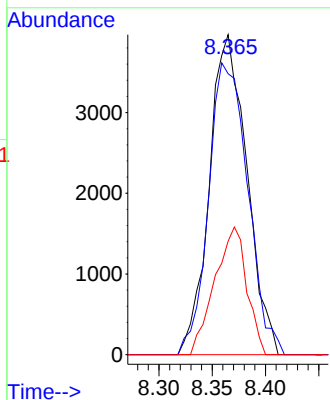
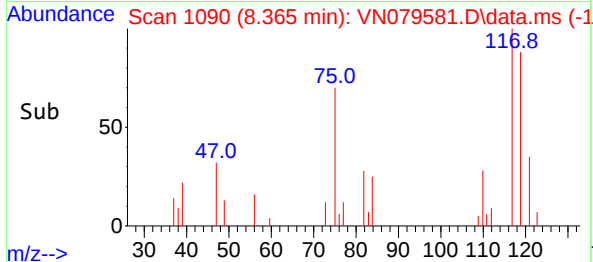
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



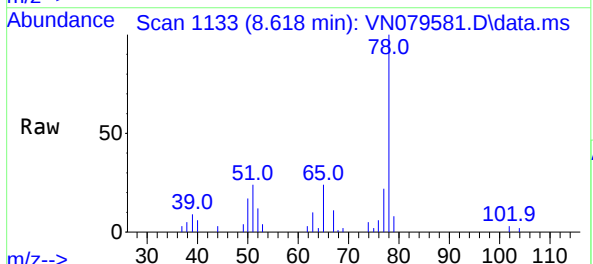
Tgt Ion: 117 Resp: 972
Ion Ratio Lower Upper
117 100
119 87.8 75.0 112.6
121 35.5 24.3 36.5

Manual Integrations
APPROVED

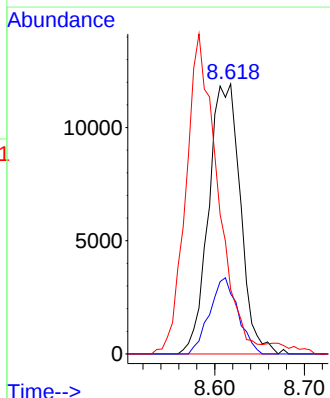
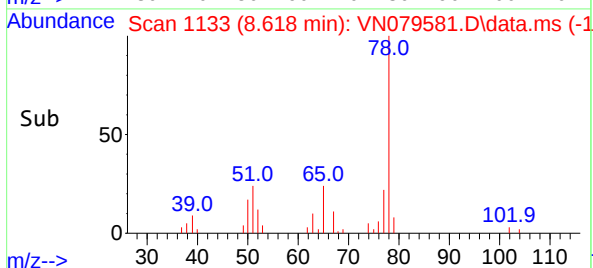
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

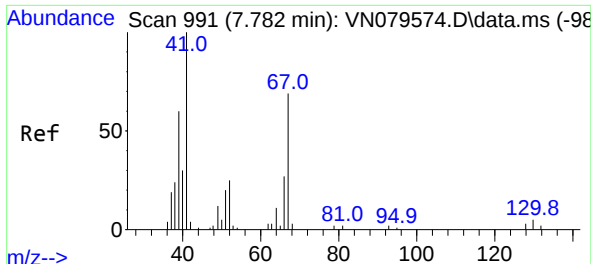


#34
Benzene
Concen: 2.528 ug/l
RT: 8.618 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



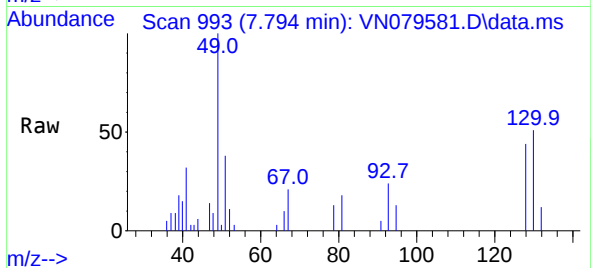
Tgt Ion: 78 Resp: 29251
Ion Ratio Lower Upper
78 100
77 22.3 19.7 29.5
51 19.8 15.8 23.6





#35
Methacrylonitrile
Concen: 2.334 ug/l m
RT: 7.794 min Scan# 991
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

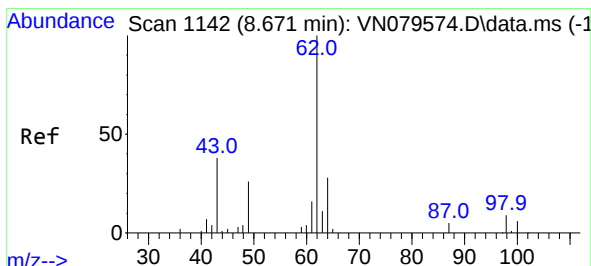
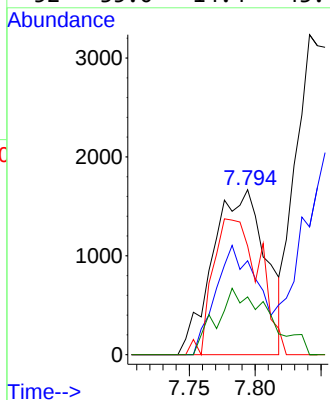
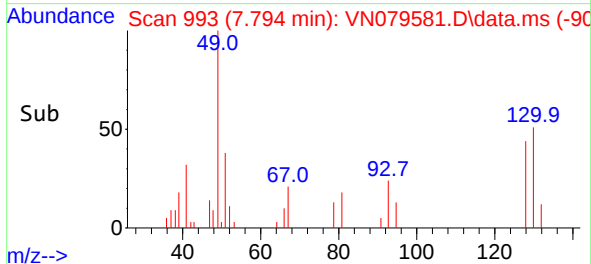
Instrument : MSVOA_N
Client SampleId :
LOD-MDL-WATER-01-QT4-2023



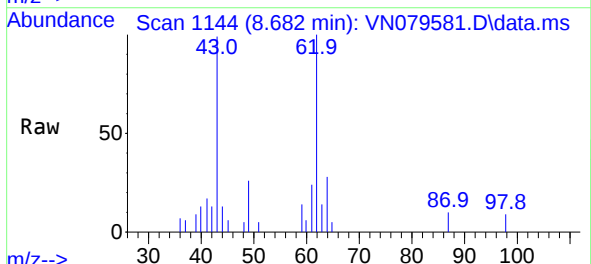
Tgt Ion: 41 Resp: 468
Ion Ratio Lower Upper
41 100
39 57.0 26.3 78.8
67 65.9 37.5 112.3
52 35.0 14.4 43.4

Manual Integrations
APPROVED

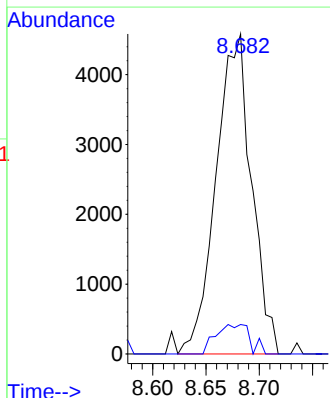
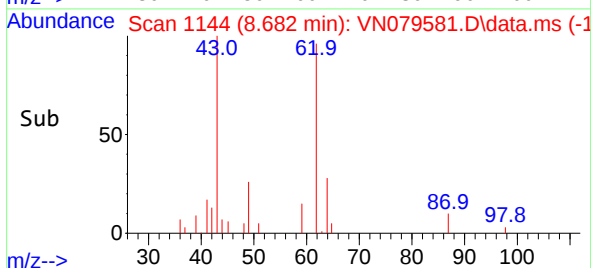
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

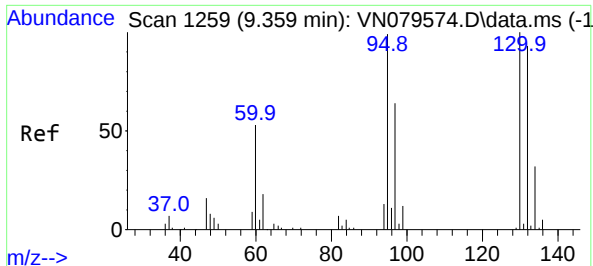


#36
1,2-Dichloroethane
Concen: 2.568 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



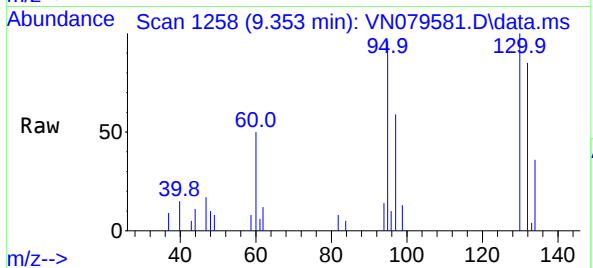
Tgt Ion: 62 Resp: 10611
Ion Ratio Lower Upper
62 100
98 2.8 7.2 10.8#





#37
Trichloroethene
Concen: 2.549 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

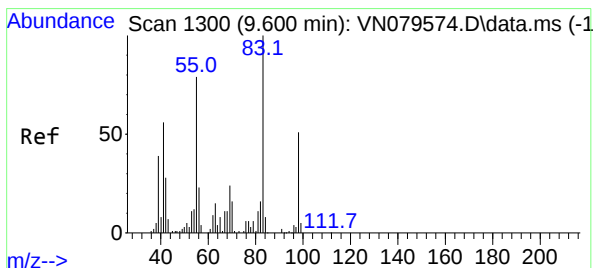
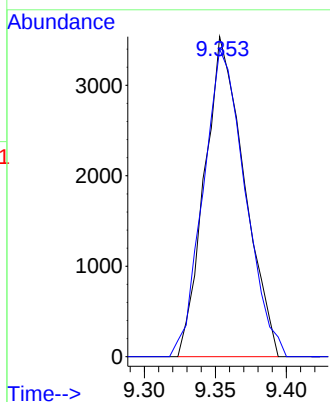
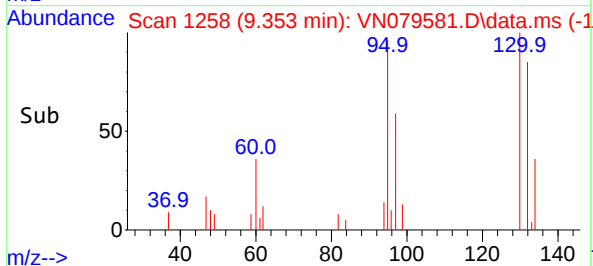
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



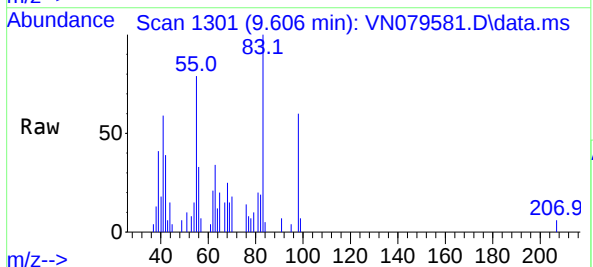
Tgt Ion:130 Resp: 689
Ion Ratio Lower Upper
130 100
95 91.1 81.2 121.8

Manual Integrations
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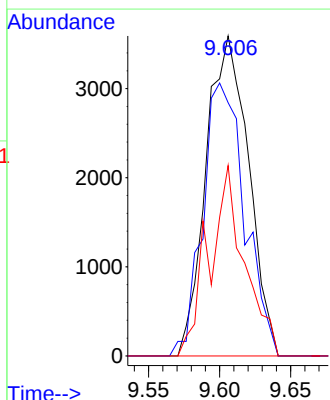
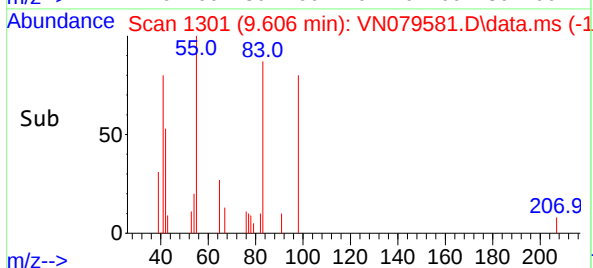
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

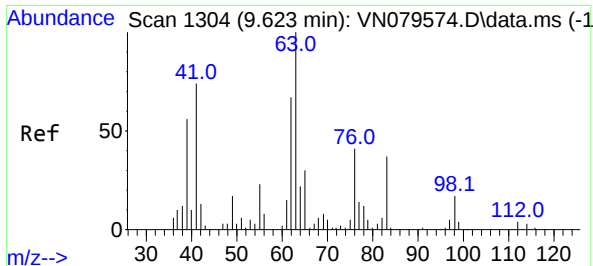


#38
Methylcyclohexane
Concen: 2.037 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



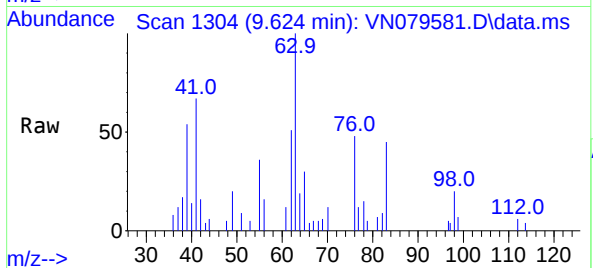
Tgt Ion: 83 Resp: 7470
Ion Ratio Lower Upper
83 100
55 84.4 39.7 119.1
98 35.9 24.4 73.2





#39
1,2-Dichloropropane
Concen: 2.610 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

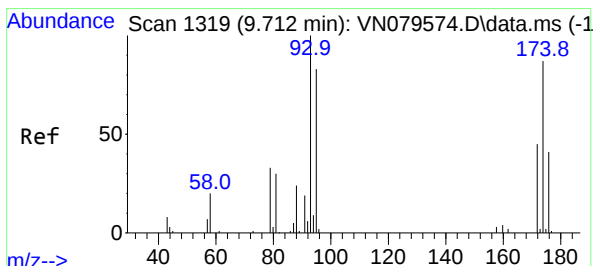
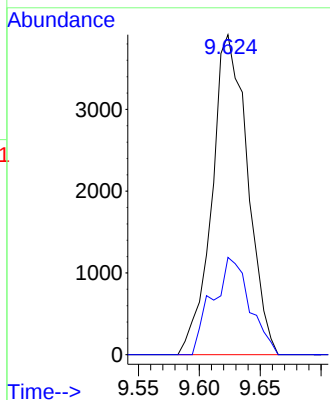
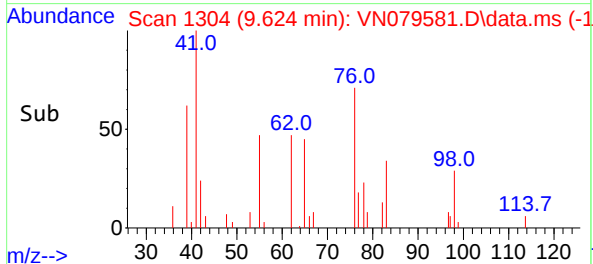
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



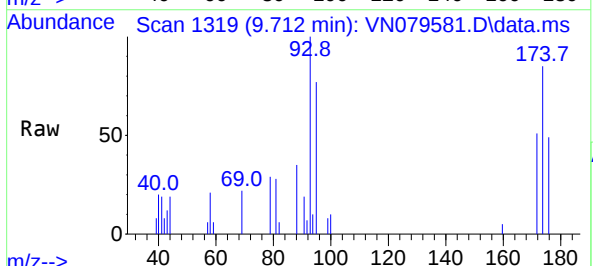
Tgt Ion: 63 Resp: 7969
Ion Ratio Lower Upper
63 100
65 30.4 25.3 37.9

Manual Integrations
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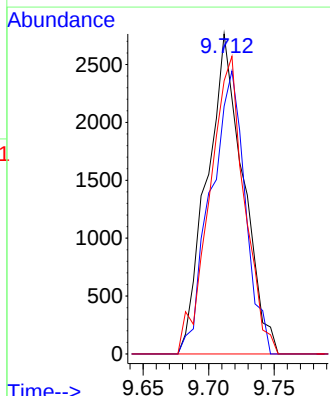
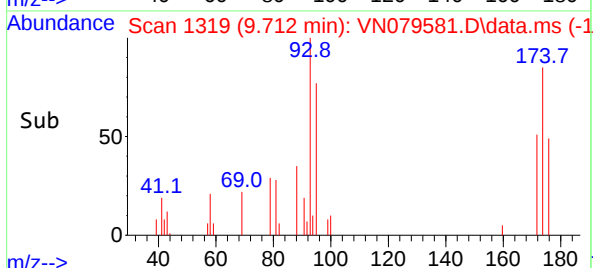
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

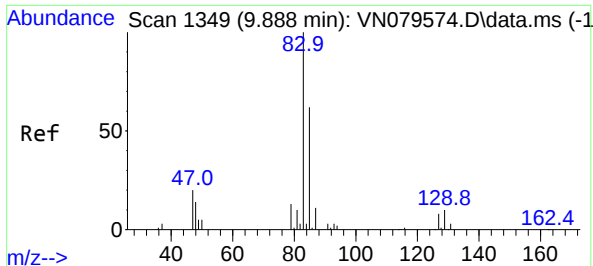


#40
Dibromomethane
Concen: 2.651 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



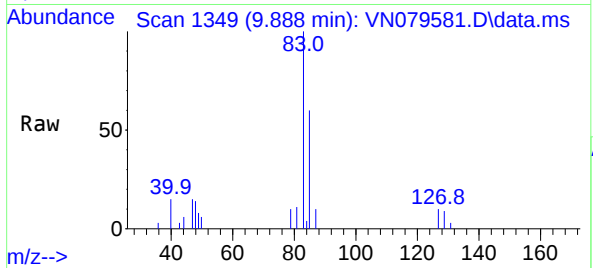
Tgt Ion: 93 Resp: 5312
Ion Ratio Lower Upper
93 100
95 84.4 0.0 166.6
174 89.4 0.0 171.0





#41
Bromodichloromethane
Concen: 2.537 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

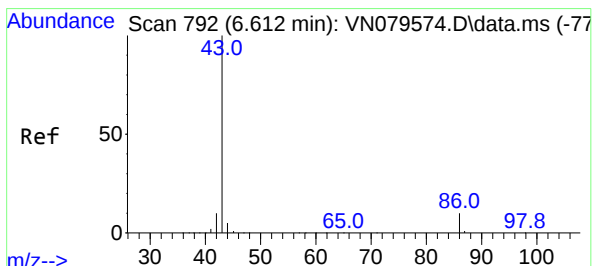
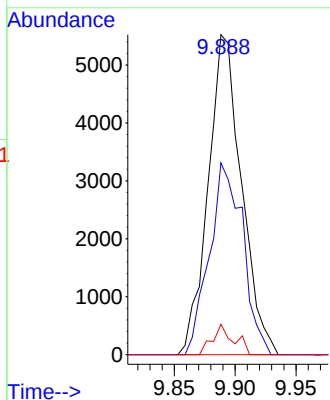
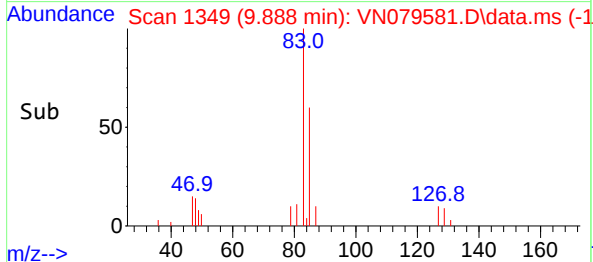
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



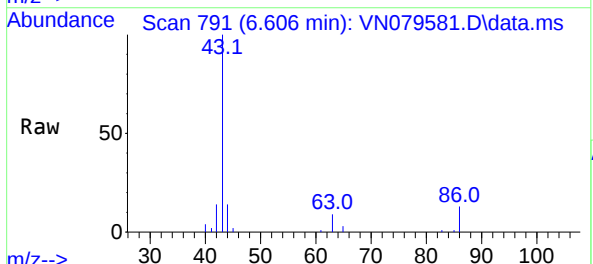
Tgt Ion: 83 Resp: 10530
Ion Ratio Lower Upper
83 100
85 59.9 50.3 75.5
127 9.5 6.8 10.2

Manual Integrations
APPROVED

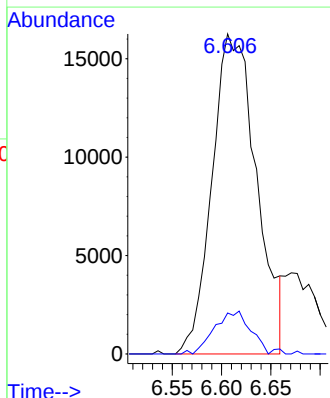
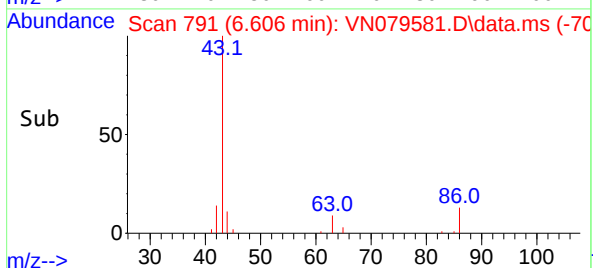
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

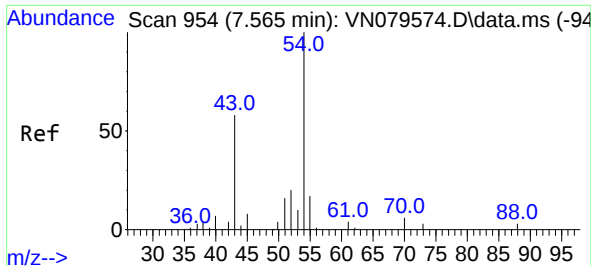


#42
Vinyl Acetate
Concen: 10.529 ug/l m
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



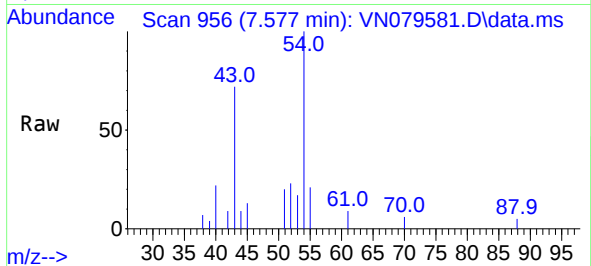
Tgt Ion: 43 Resp: 50989
Ion Ratio Lower Upper
43 100
86 10.7 8.2 12.2





#43
Ethyl Acetate
Concen: 2.801 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

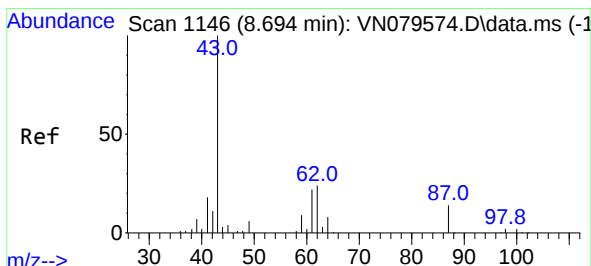
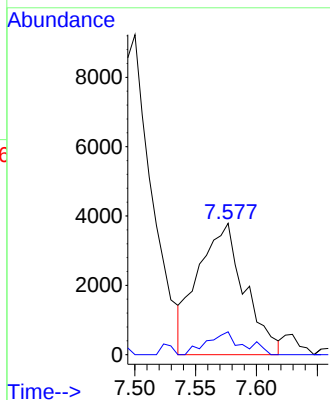
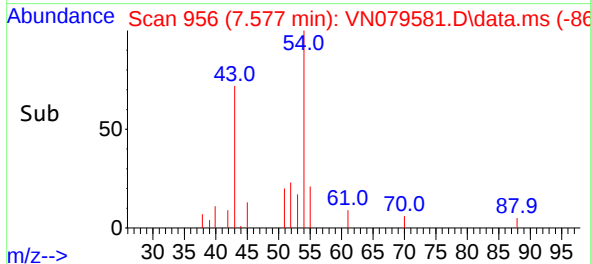
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



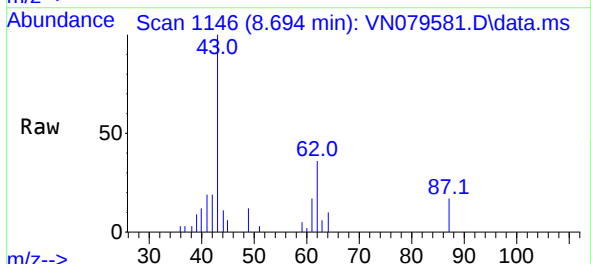
Tgt Ion: 43 Resp: 10054
Ion Ratio Lower Upper
43 100
45 11.2 11.8 17.8

Manual Integrations
APPROVED

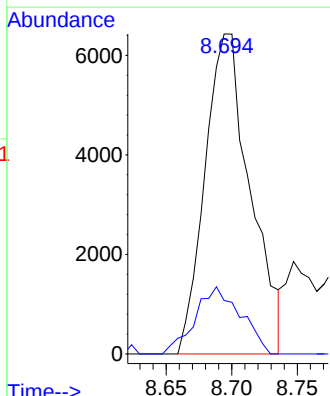
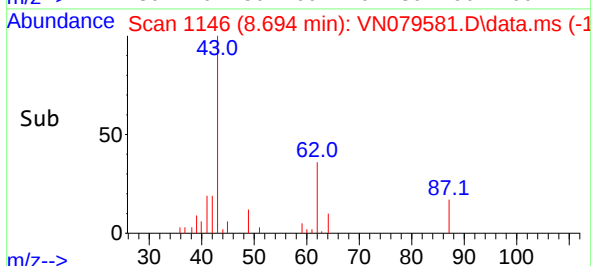
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

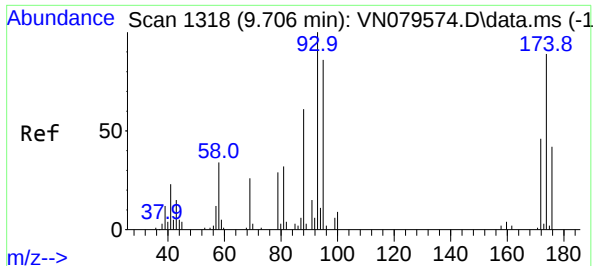


#44
Isopropyl Acetate
Concen: 2.427 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



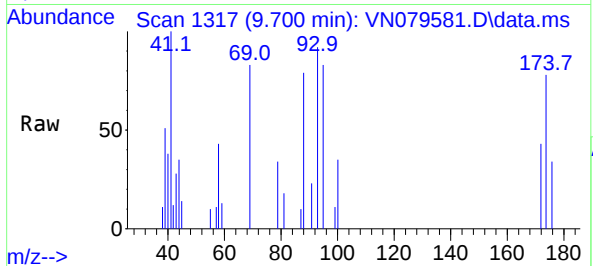
Tgt Ion: 43 Resp: 15485
Ion Ratio Lower Upper
43 100
61 21.1 20.3 30.5





#45
1,4-Dioxane
Concen: 45.885 ug/l m
RT: 9.700 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

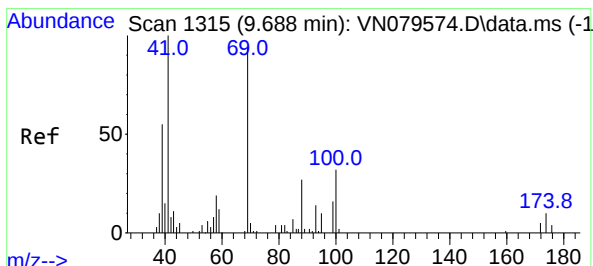
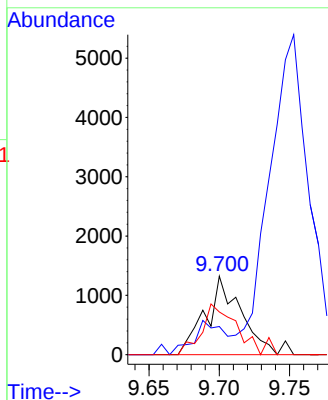
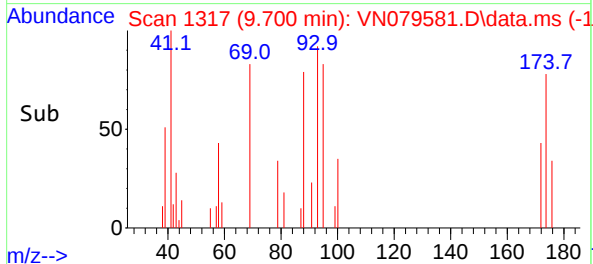
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



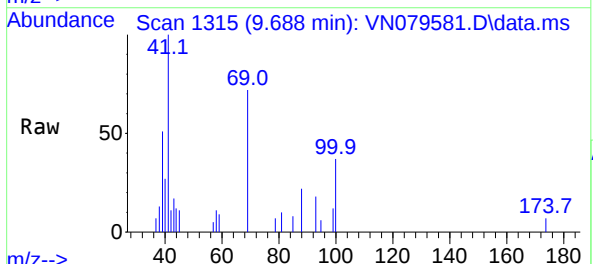
Tgt Ion: 88 Resp: 229
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1
58 0.0 56.9 85.3

Manual Integrations
APPROVED

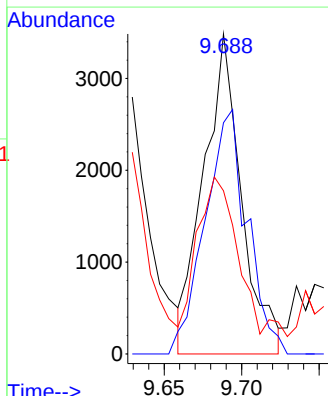
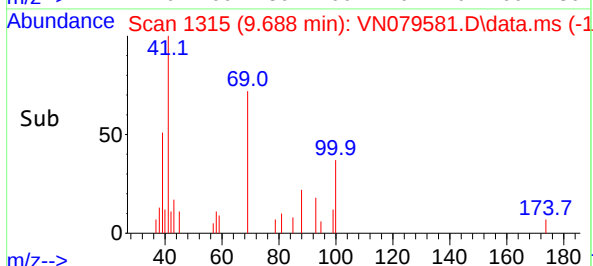
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

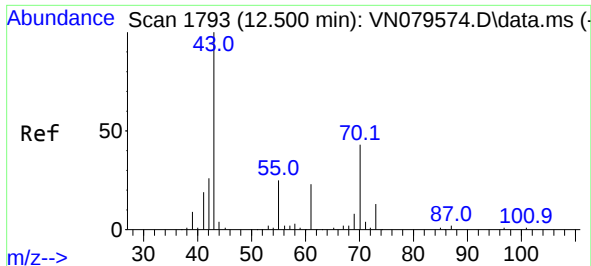


#46
Methyl methacrylate
Concen: 2.093 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion: 41 Resp: 5926
Ion Ratio Lower Upper
41 100
69 72.5 40.0 119.9
39 46.4 31.1 93.3





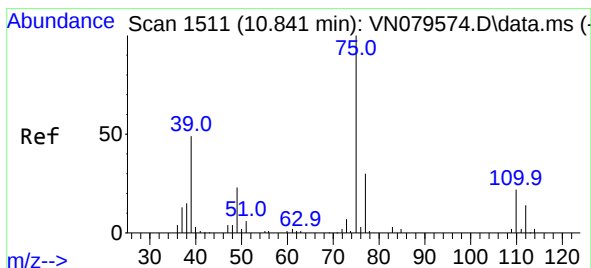
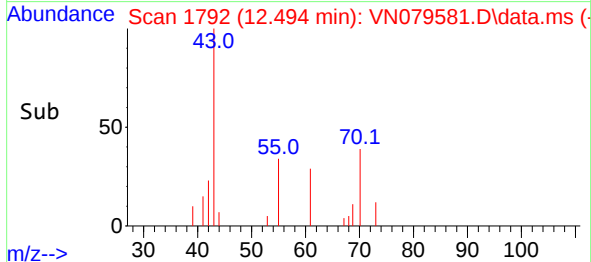
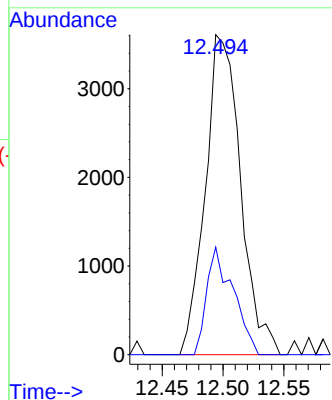
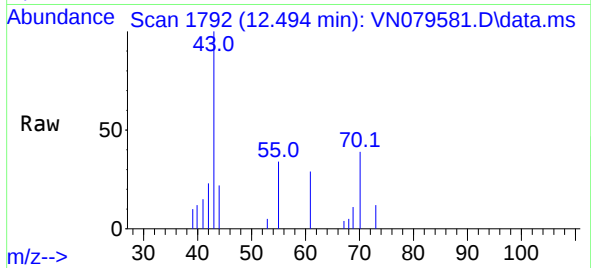
#47
n-amy1 Acetate
Concen: 1.582 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
55 25.2 20.7 31.1

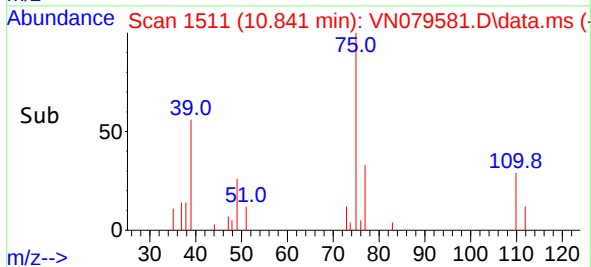
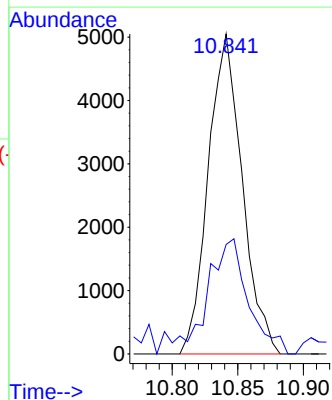
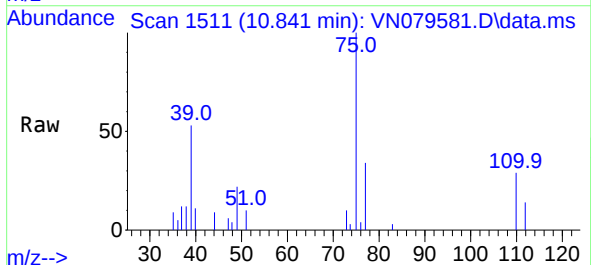
Manual Integrations
APPROVED

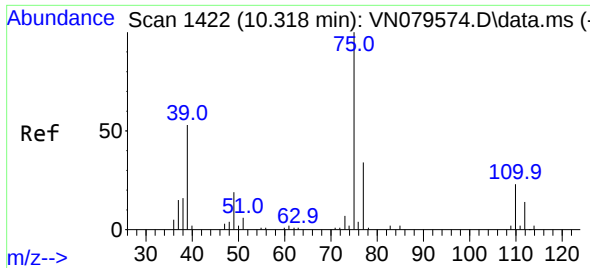
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#48
t-1,3-Dichloropropene
Concen: 2.169 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

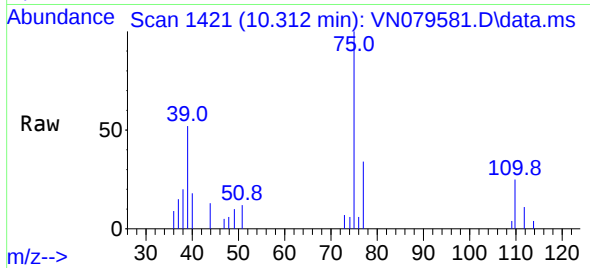
Tgt Ion: 75 Resp: 9108
Ion Ratio Lower Upper
75 100
77 28.6 25.6 38.4





#49
 cis-1,3-Dichloropropene
 Concen: 2.132 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN079581.D
 Acq: 17 Oct 2023 14:59

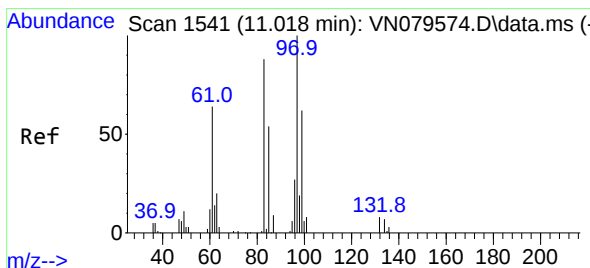
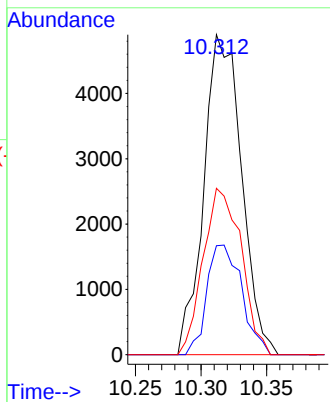
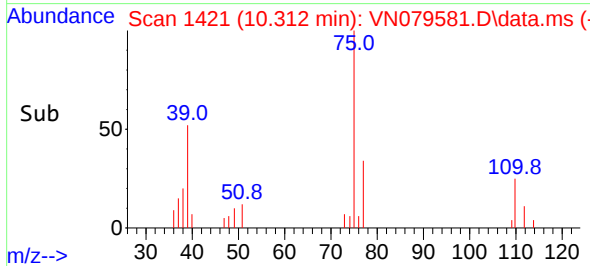
Instrument : MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 75 Resp: 978
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.8 38.6
 39 52.0 42.4 63.6

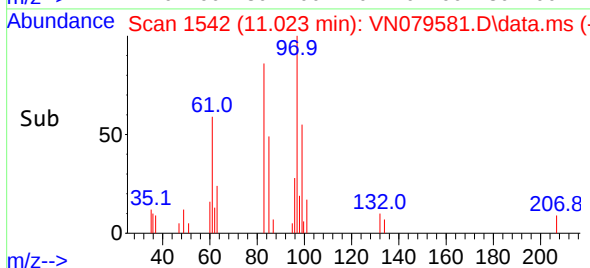
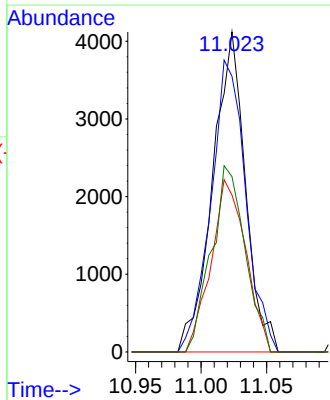
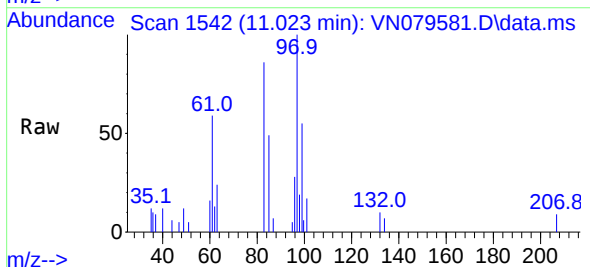
Manual Integrations
 APPROVED

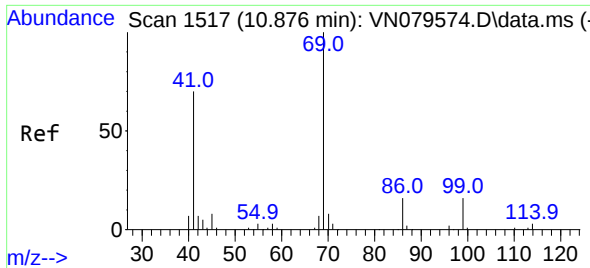
Reviewed By :John Carlone 10/18/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#50
 1,1,2-Trichloroethane
 Concen: 2.573 ug/l
 RT: 11.023 min Scan# 1542
 Delta R.T. 0.006 min
 Lab File: VN079581.D
 Acq: 17 Oct 2023 14:59

Tgt Ion: 97 Resp: 7153
 Ion Ratio Lower Upper
 97 100
 83 86.2 68.2 102.4
 85 49.0 42.9 64.3
 99 54.8 44.8 67.2





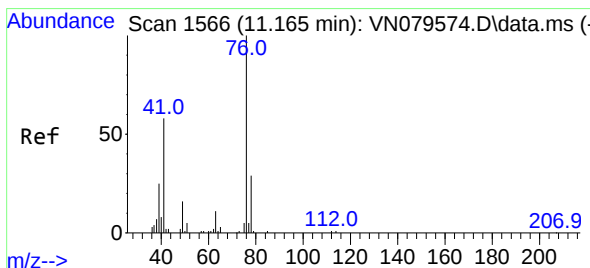
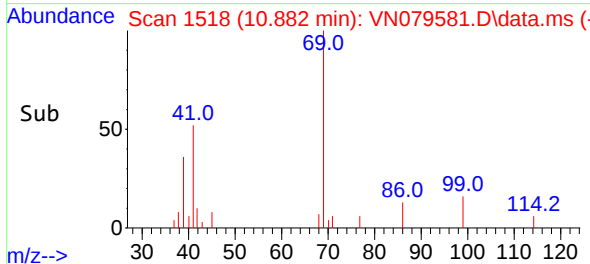
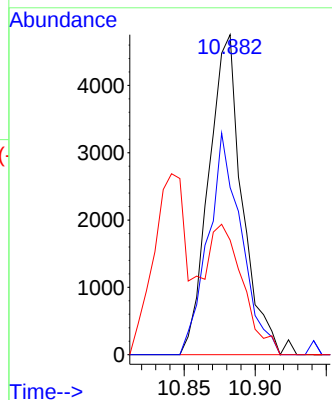
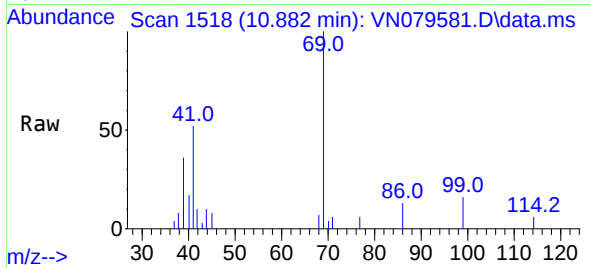
#51
Ethyl methacrylate
Concen: 2.023 ug/l
RT: 10.882 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 69 Resp: 7760
Ion Ratio Lower Upper
69 100
41 62.3 33.8 101.3
39 35.8 21.3 63.9

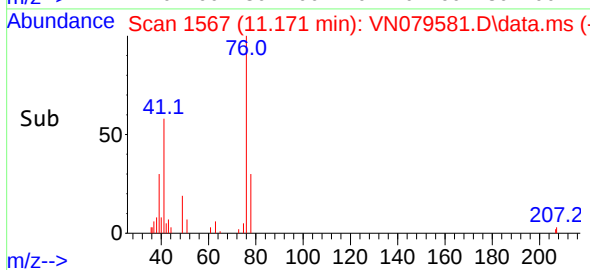
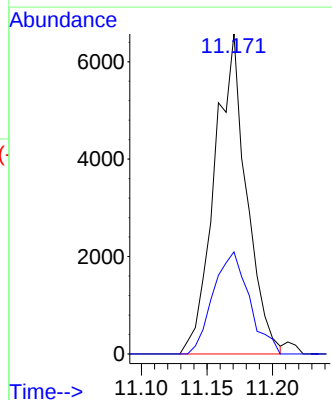
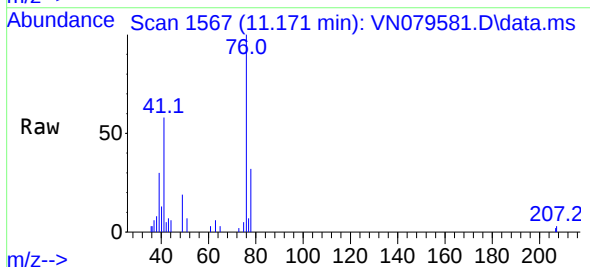
Manual Integrations
APPROVED

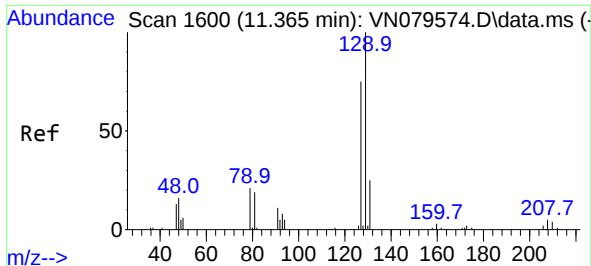
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#52
1,3-Dichloropropane
Concen: 2.261 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 76 Resp: 11136
Ion Ratio Lower Upper
76 100
78 35.9 0.0 64.0





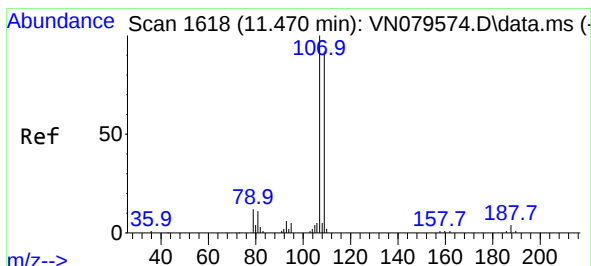
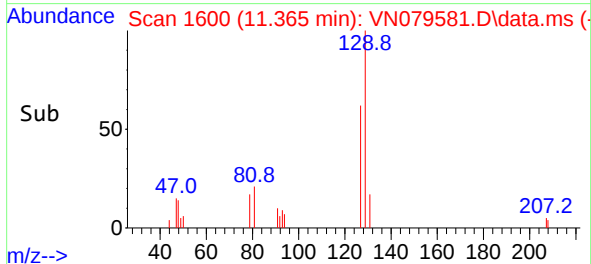
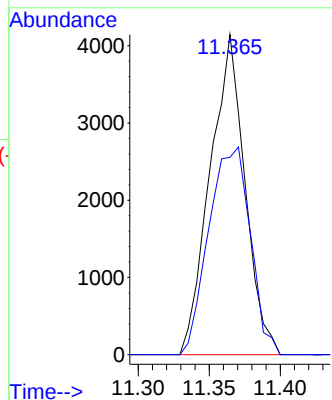
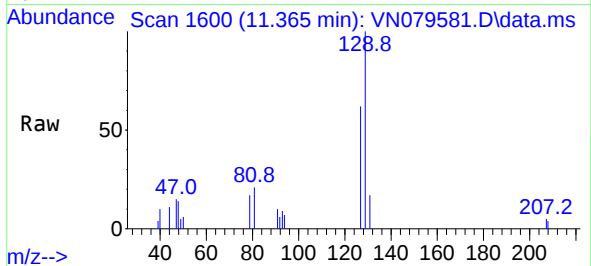
#53
Dibromochloromethane
Concen: 2.491 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:129 Resp: 707
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3

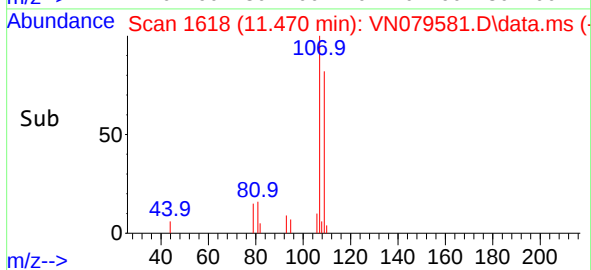
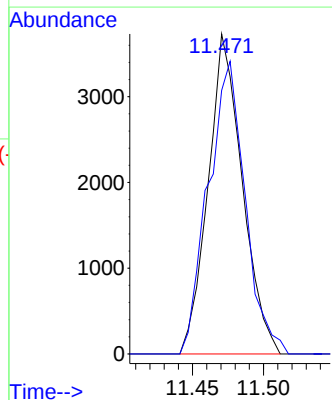
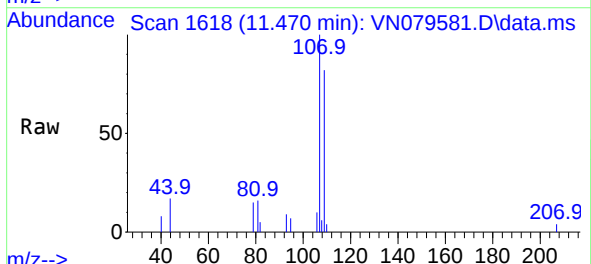
Manual Integrations
APPROVED

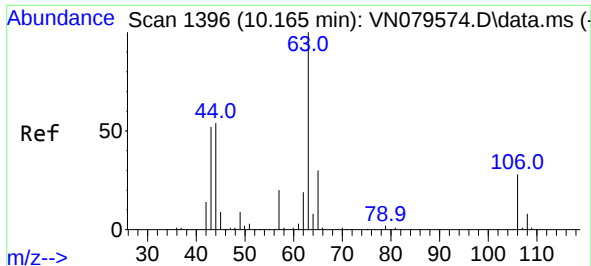
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#54
1,2-Dibromoethane
Concen: 2.277 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion:107 Resp: 6245
Ion Ratio Lower Upper
107 100
109 98.8 73.2 109.8





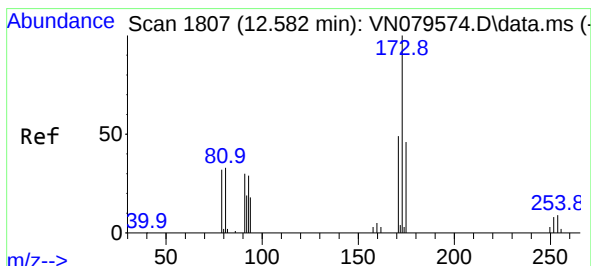
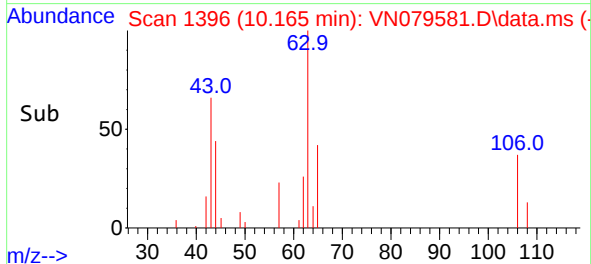
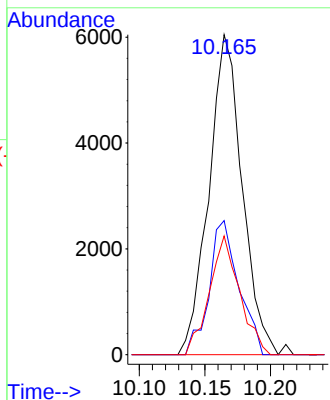
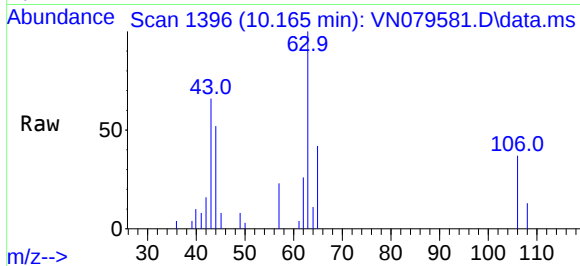
#55
2-Chloroethyl vinyl ether
Concen: 7.288 ug/l
RT: 10.165 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 63 Resp: 1066
Ion Ratio Lower Upper
63 100
65 37.4 25.9 38.9
106 33.7 20.6 30.8

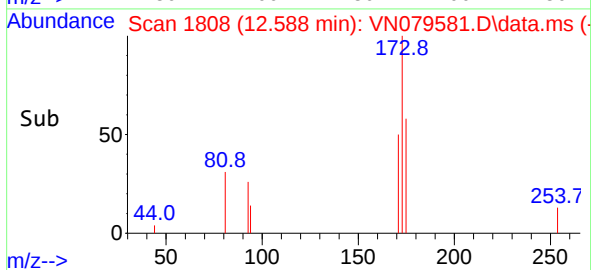
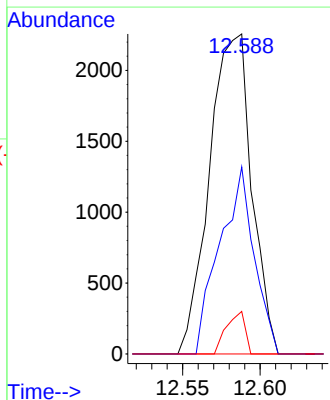
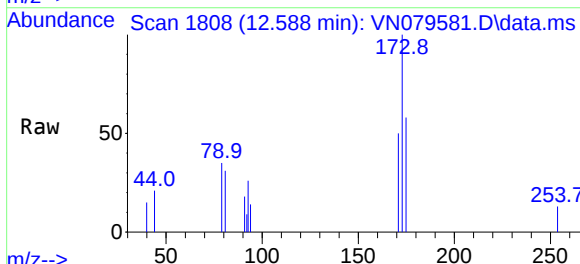
Manual Integrations
APPROVED

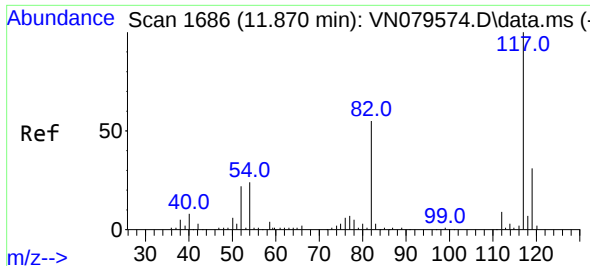
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#56
Bromoform
Concen: 2.276 ug/l
RT: 12.588 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion:173 Resp: 4278
Ion Ratio Lower Upper
173 100
175 47.7 37.9 56.9
254 5.8 7.3 10.9





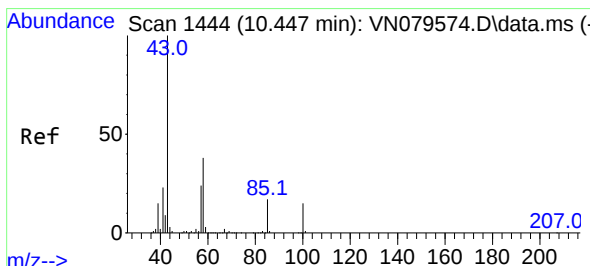
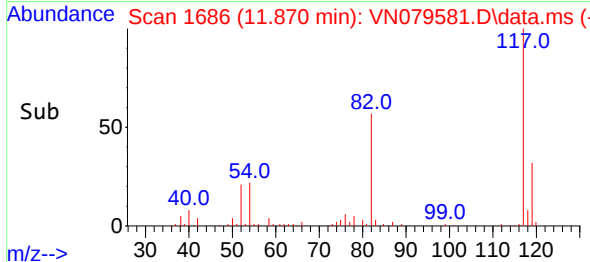
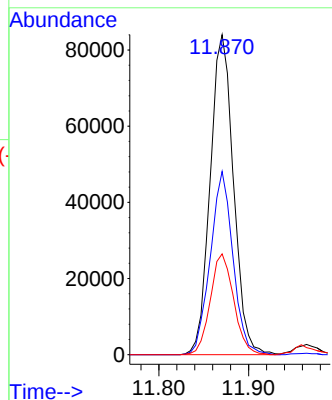
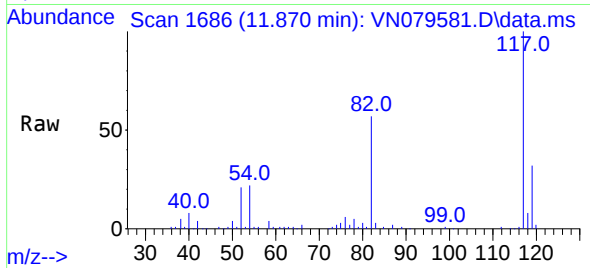
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:117 Resp: 15180
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.2
119 31.6 25.2 37.8

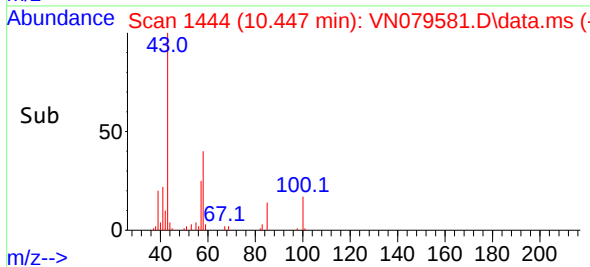
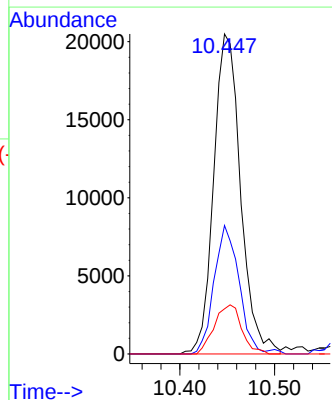
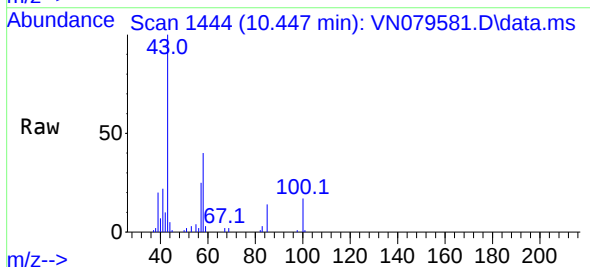
Manual Integrations
APPROVED

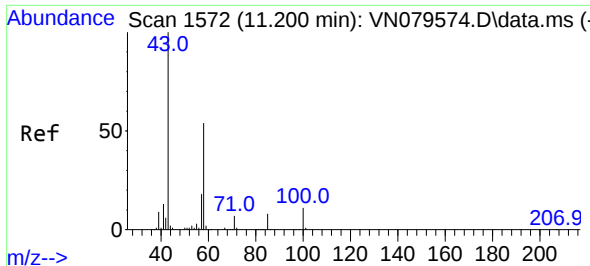
Reviewed By :John Carbone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#58
4-Methyl-2-Pentanone
Concen: 11.417 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

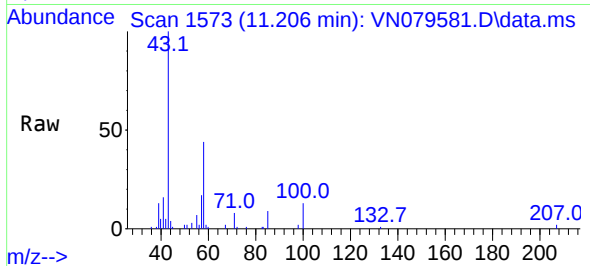
Tgt Ion: 43 Resp: 40425
Ion Ratio Lower Upper
43 100
58 36.9 30.4 45.6
85 15.6 13.2 19.8





#59
2-Hexanone
Concen: 10.919 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

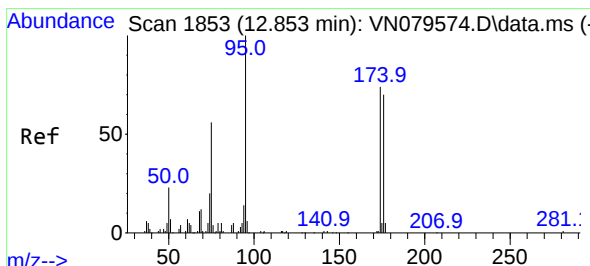
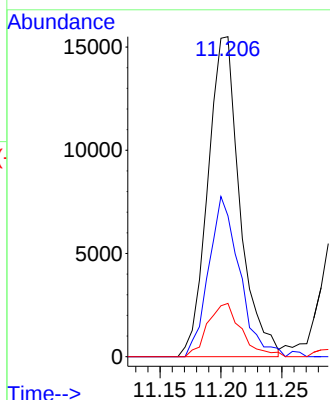
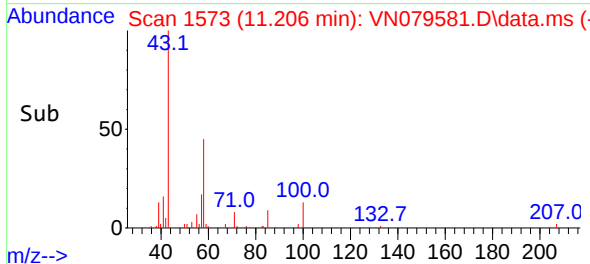
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



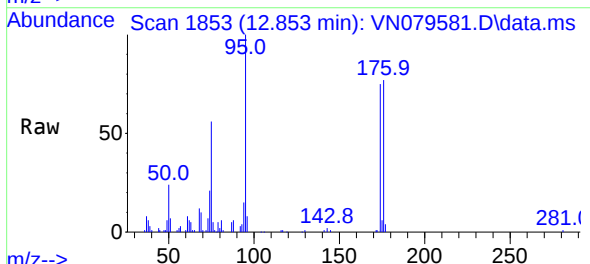
Tgt Ion: 43 Resp: 2836
Ion Ratio Lower Upper
43 100
58 47.2 42.3 63.5
57 17.5 13.9 20.9

Manual Integrations
APPROVED

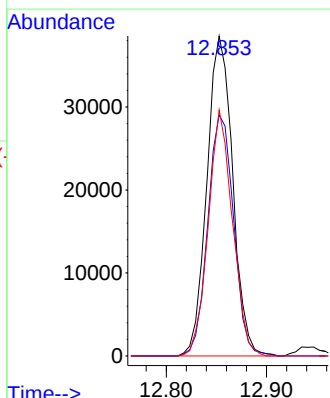
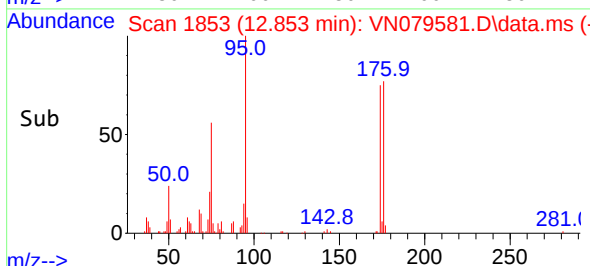
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

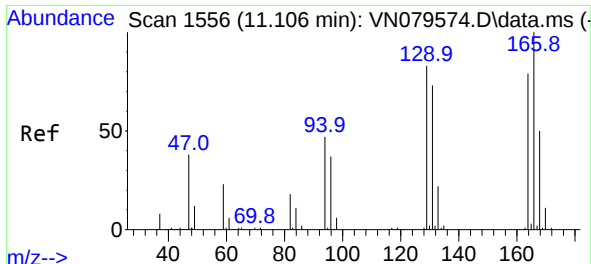


#60
4-Bromofluorobenzene
Concen: 24.825 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



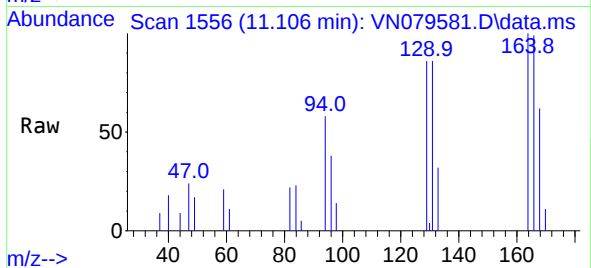
Tgt Ion: 95 Resp: 68914
Ion Ratio Lower Upper
95 100
174 75.5 60.5 90.7
176 72.3 57.2 85.8





#61
Tetrachloroethene
Concen: 2.725 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

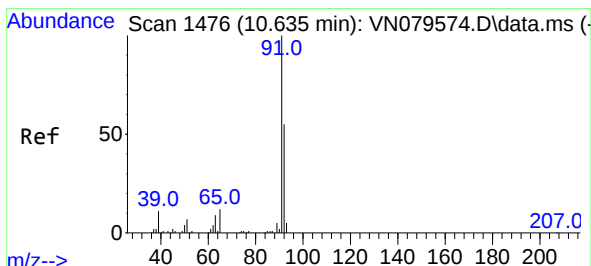
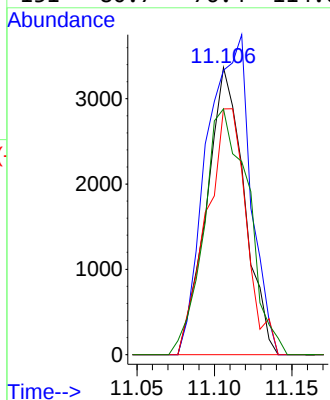
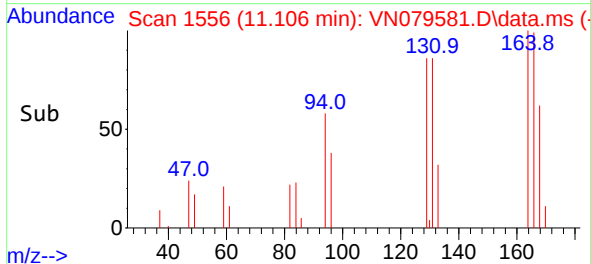
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



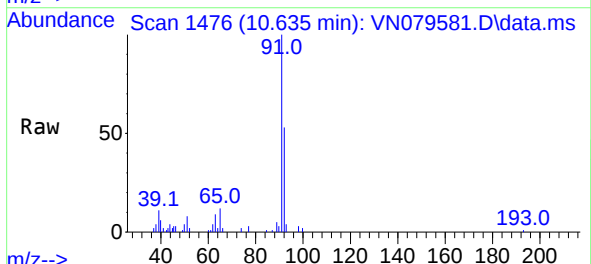
Tgt Ion:164 Resp: 5679
Ion Ratio Lower Upper
164 100
166 99.0 98.2 147.4
129 85.6 75.0 112.4
131 80.7 76.4 114.6

Manual Integrations
APPROVED

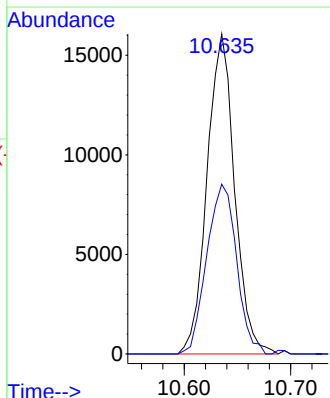
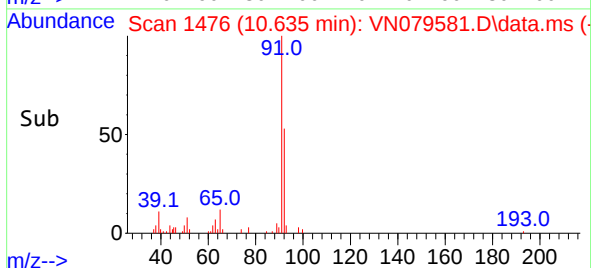
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

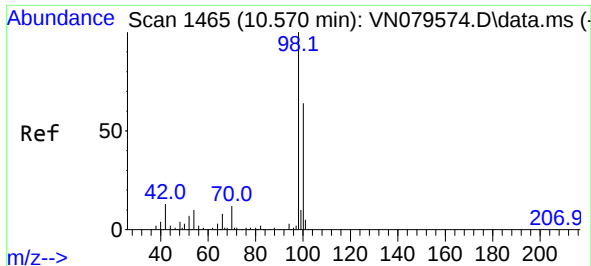


#62
Toluene
Concen: 2.491 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion: 91 Resp: 28897
Ion Ratio Lower Upper
91 100
92 57.4 45.3 67.9





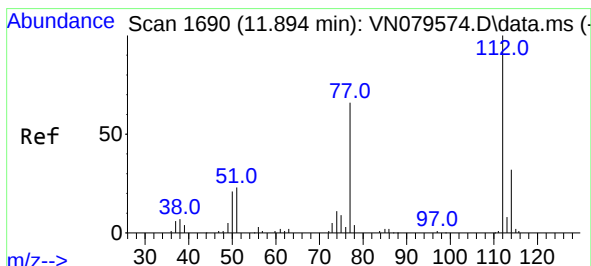
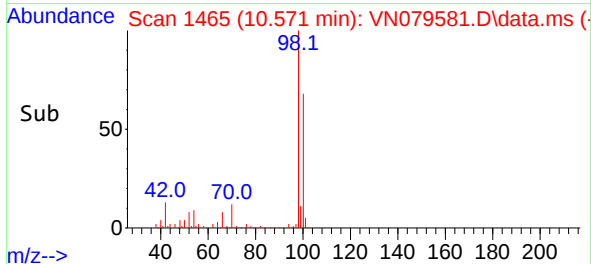
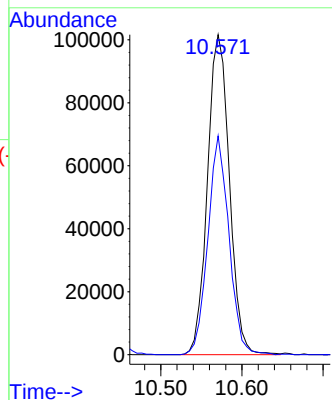
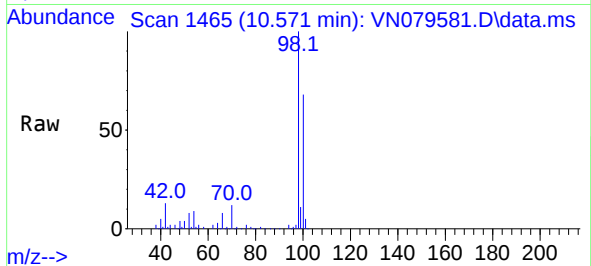
#63
Toluene-d8
Concen: 29.350 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 98 Resp: 190915
Ion Ratio Lower Upper
98 100
100 65.7 51.6 77.4

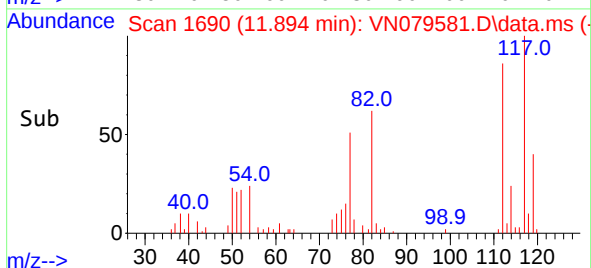
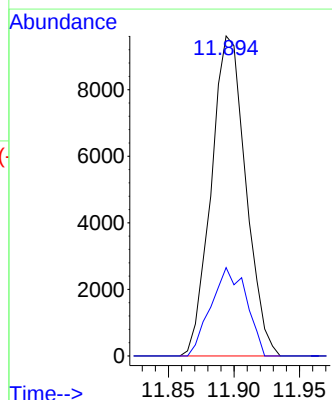
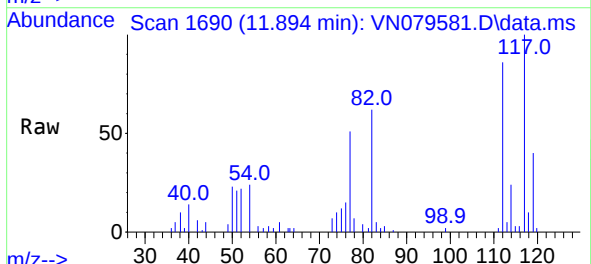
Manual Integrations
APPROVED

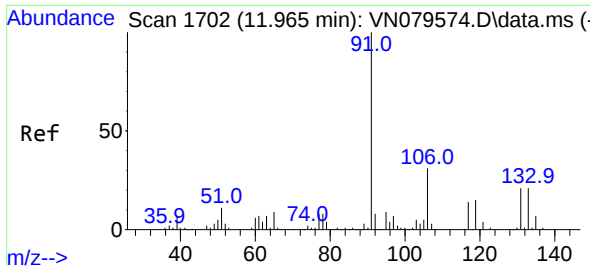
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#64
Chlorobenzene
Concen: 2.618 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion:112 Resp: 17619
Ion Ratio Lower Upper
112 100
114 27.6 28.1 42.1#





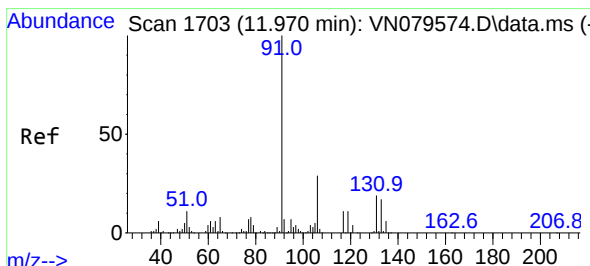
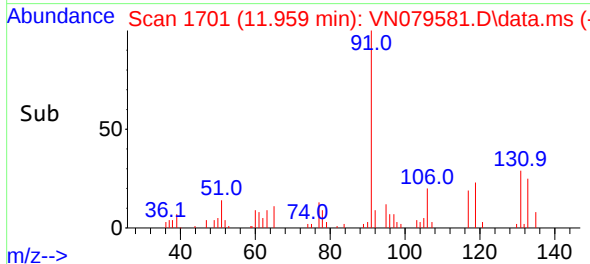
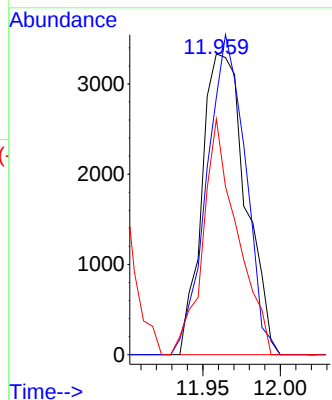
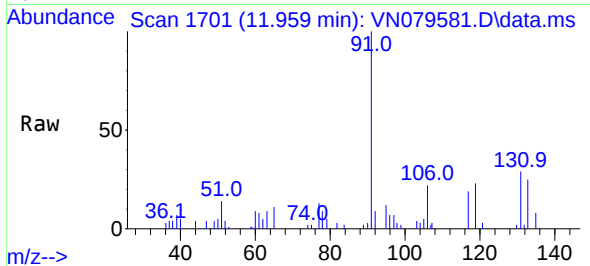
#65
1,1,1,2-Tetrachloroethane
Concen: 2.544 ug/l
RT: 11.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:131 Resp: 652
Ion Ratio Lower Upper
131 100
133 94.1 0.0 196.0
119 61.7 0.0 135.6

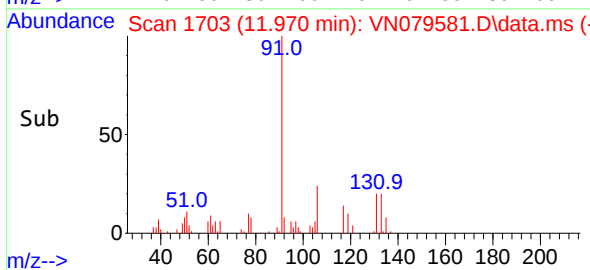
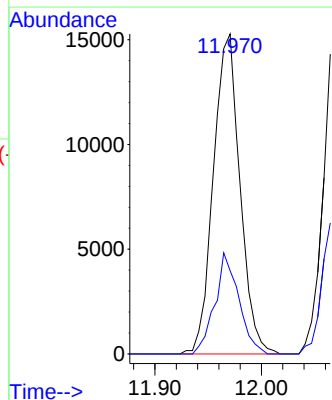
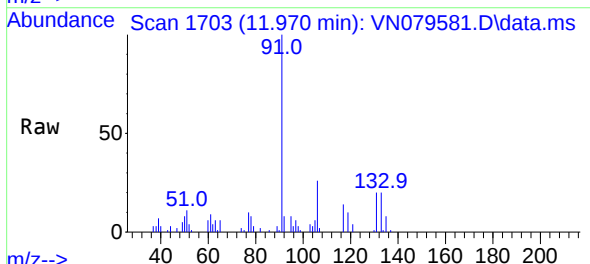
Manual Integrations
APPROVED

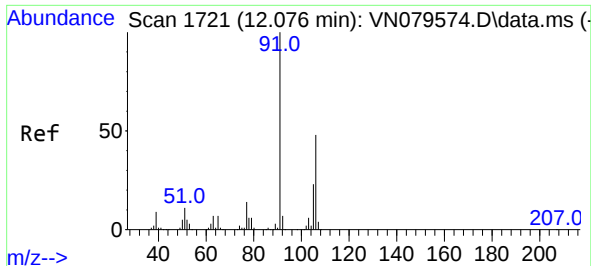
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#66
Ethyl Benzene
Concen: 2.215 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 91 Resp: 26473
Ion Ratio Lower Upper
91 100
106 26.0 23.8 35.8





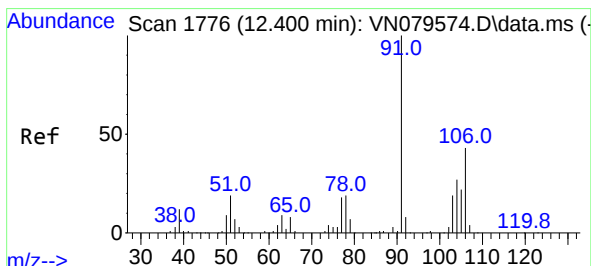
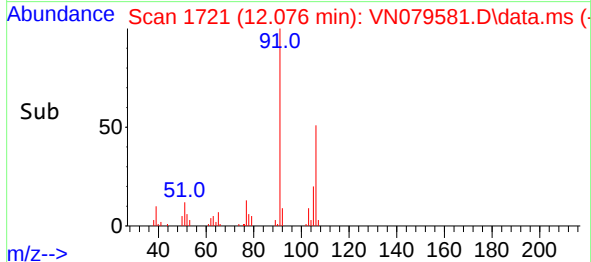
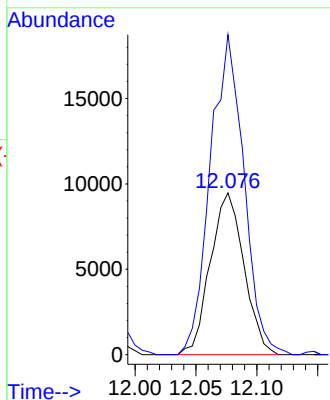
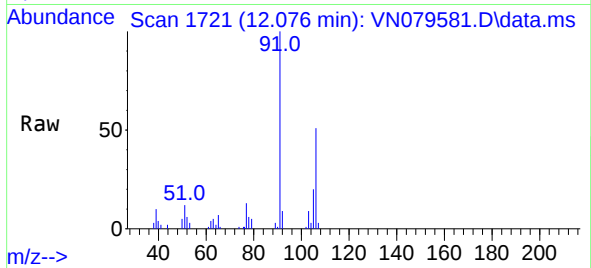
#67
m/p-Xylenes
Concen: 4.128 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:106 Resp: 18250
Ion Ratio Lower Upper
106 100
91 197.2 161.8 242.6

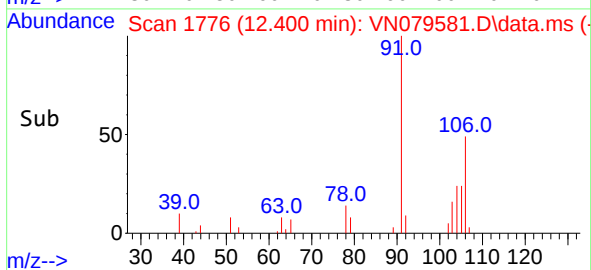
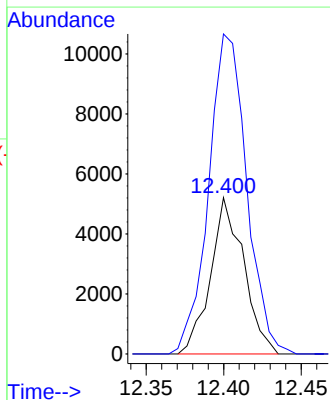
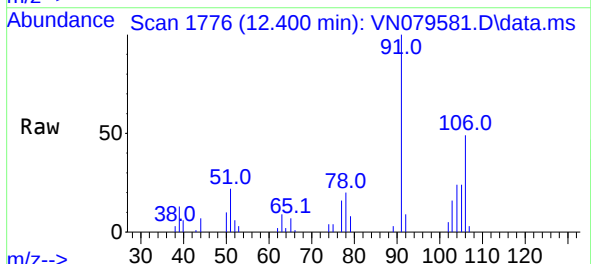
Manual Integrations
APPROVED

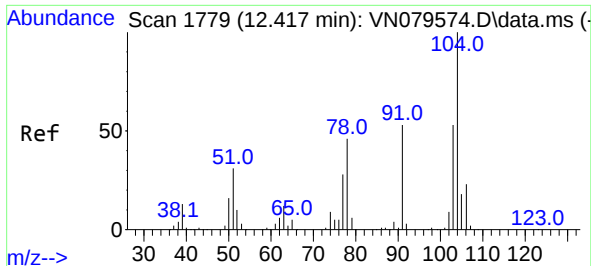
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#68
o-Xylene
Concen: 1.837 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion:106 Resp: 7763
Ion Ratio Lower Upper
106 100
91 234.7 109.9 329.7





#69

Styrene

Concen: 1.661 ug/l

RT: 12.412 min Scan# 1114

Delta R.T. -0.006 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

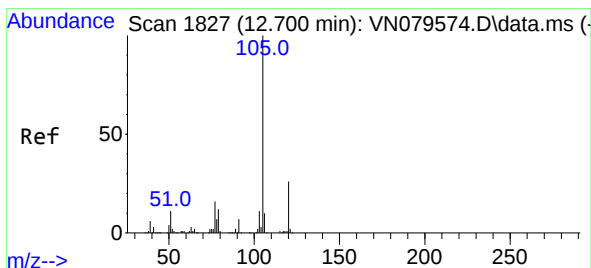
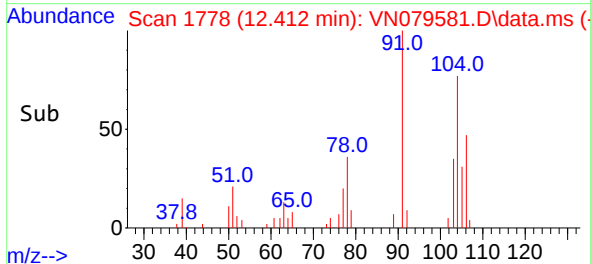
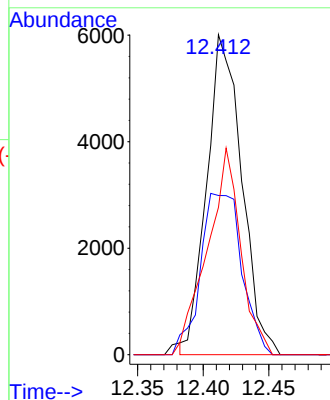
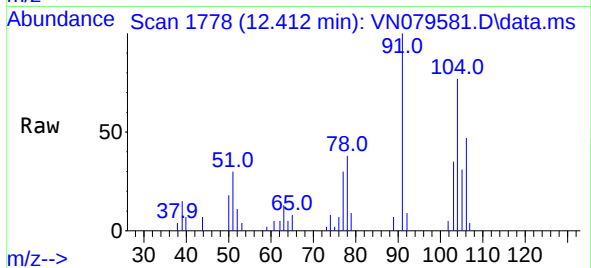
Tgt Ion:104 Resp: 1114
Ion Ratio Lower Upper
104 100
78 40.3 41.2 61.8
103 61.4 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#70

Isopropylbenzene

Concen: 2.019 ug/l

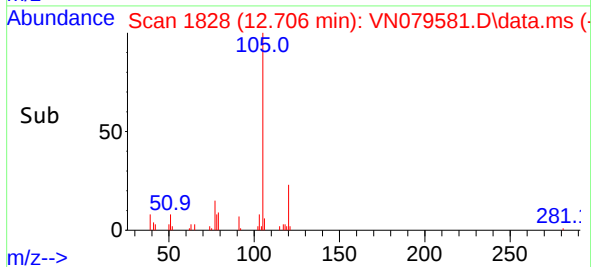
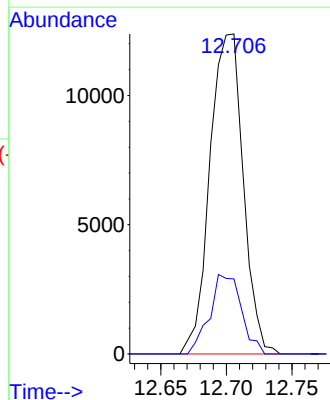
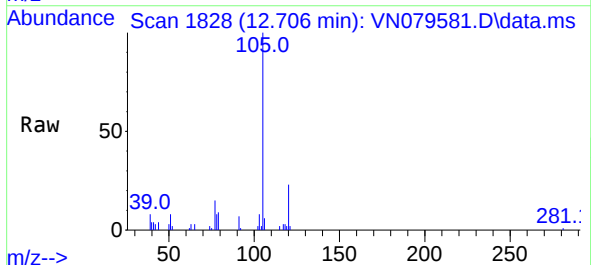
RT: 12.706 min Scan# 1828

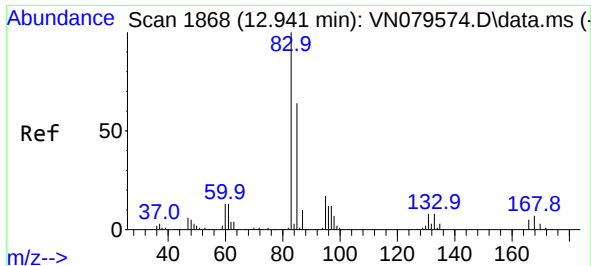
Delta R.T. 0.006 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

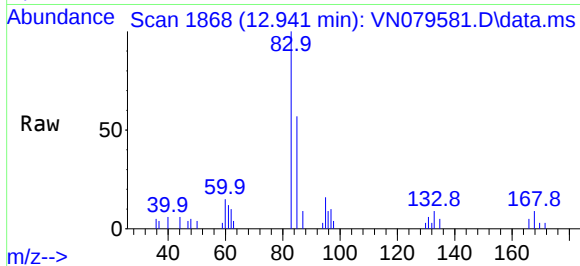
Tgt Ion:105 Resp: 21902
Ion Ratio Lower Upper
105 100
120 23.5 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 2.615 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

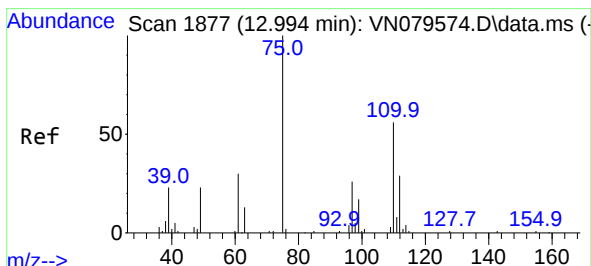
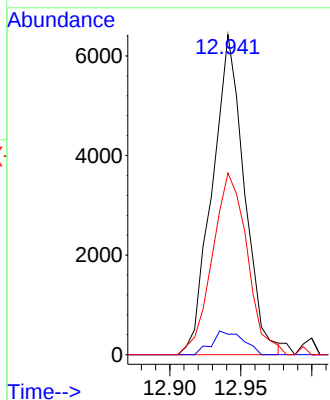
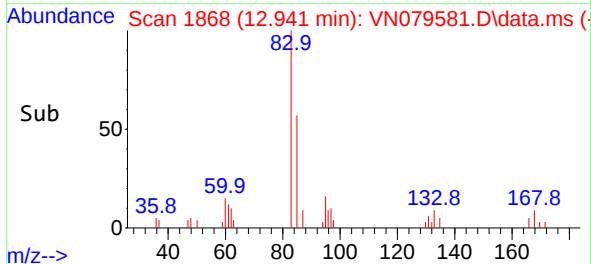
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



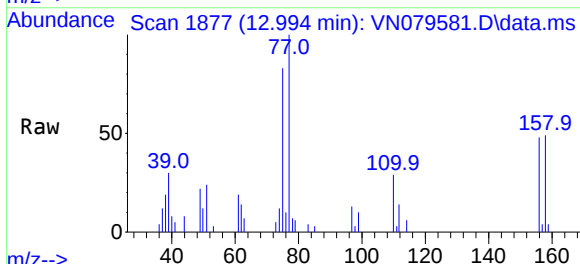
Tgt Ion: 83 Resp: 1008
Ion Ratio Lower Upper
83 100
131 7.2 4.5 13.4
85 61.8 32.1 96.3

Manual Integrations
APPROVED

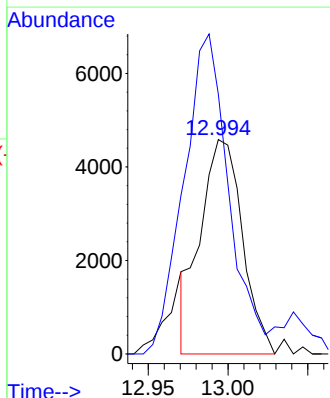
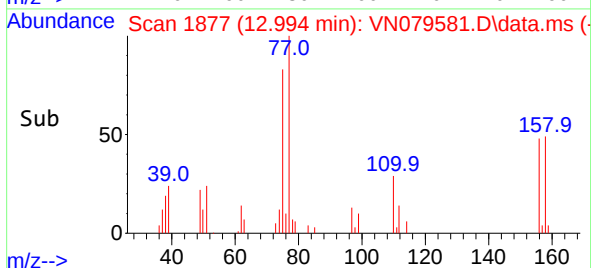
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

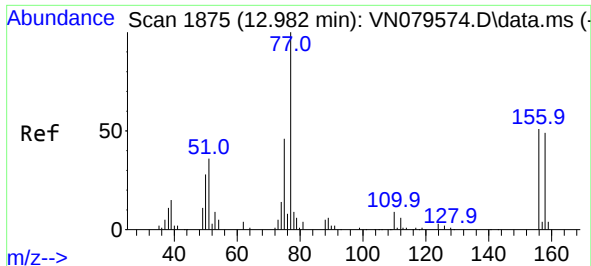


#72
1,2,3-Trichloropropane
Concen: 2.398 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion: 75 Resp: 8398
Ion Ratio Lower Upper
75 100
77 159.5 0.0 338.2





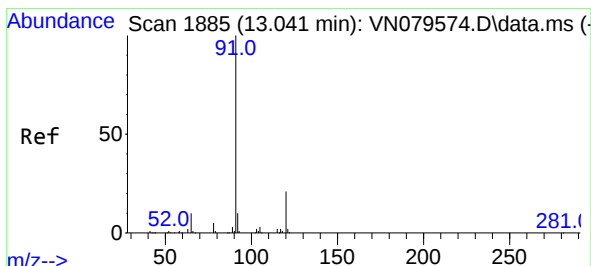
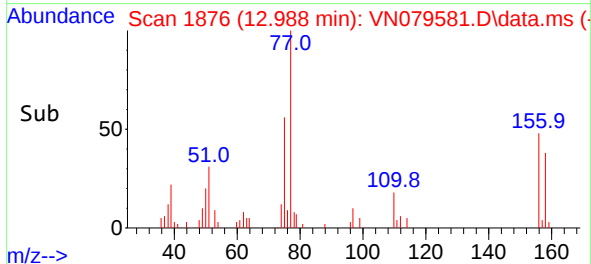
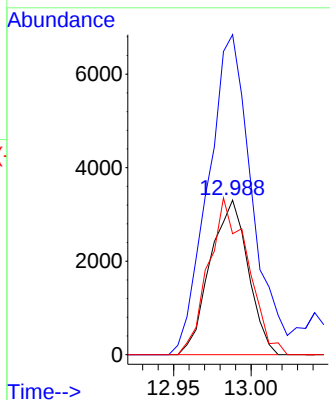
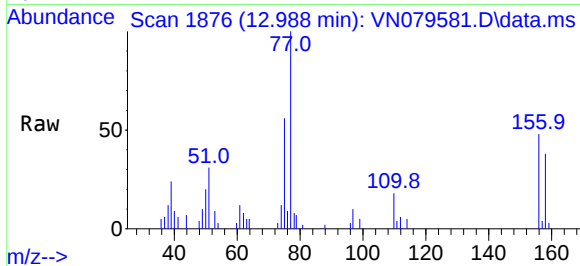
#73
Bromobenzene
Concen: 2.213 ug/l
RT: 12.988 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:156 Resp: 5639
Ion Ratio Lower Upper
156 100
77 237.6 0.0 448.2
158 104.6 0.0 194.8

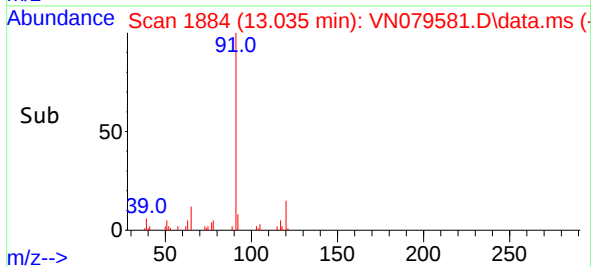
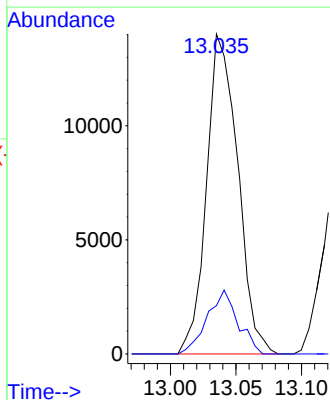
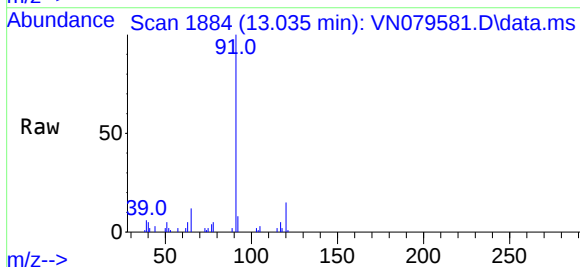
Manual Integrations
APPROVED

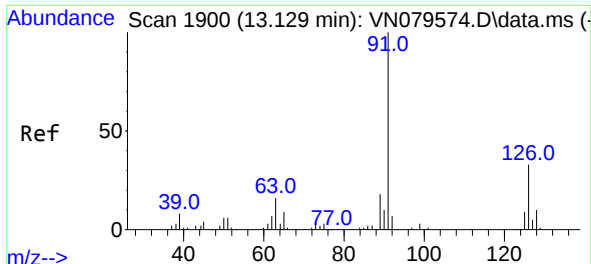
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#74
n-propylbenzene
Concen: 1.838 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion: 91 Resp: 23206
Ion Ratio Lower Upper
91 100
120 19.7 0.0 42.0





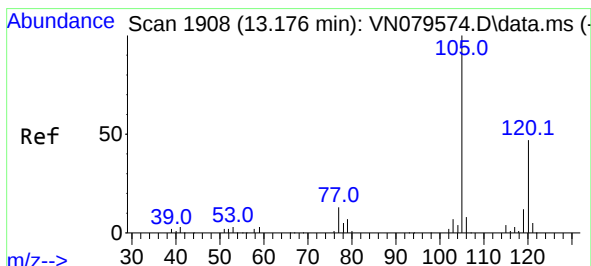
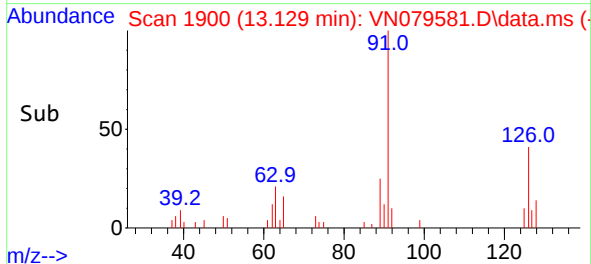
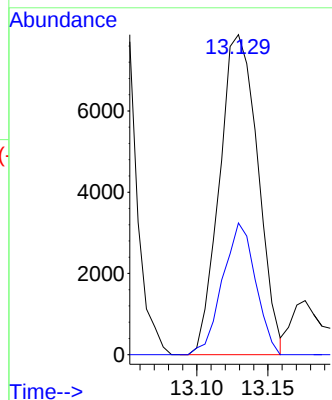
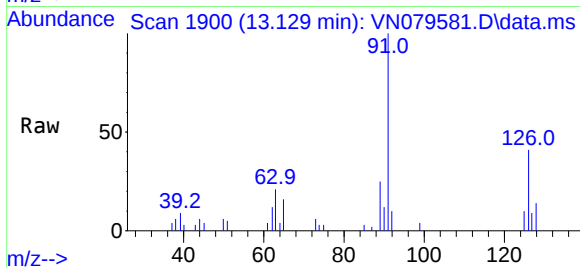
#75
2-Chlorotoluene
Concen: 1.885 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 91 Resp: 14790
Ion Ratio Lower Upper
91 100
126 35.5 0.0 64.6

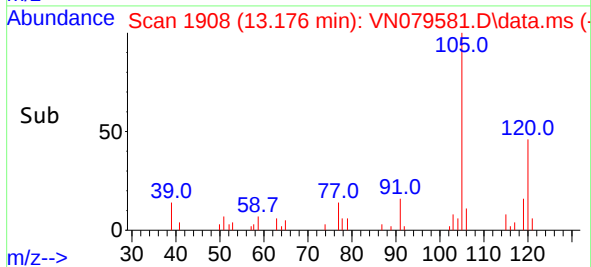
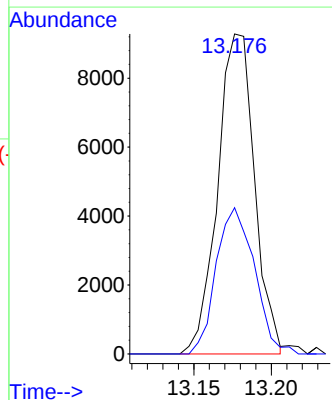
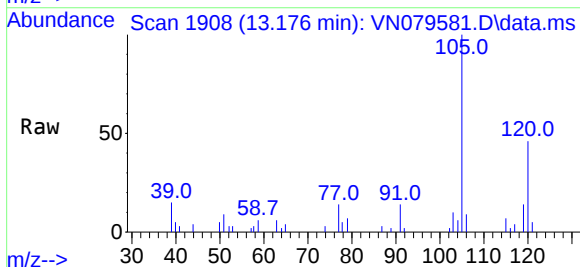
Manual Integrations
APPROVED

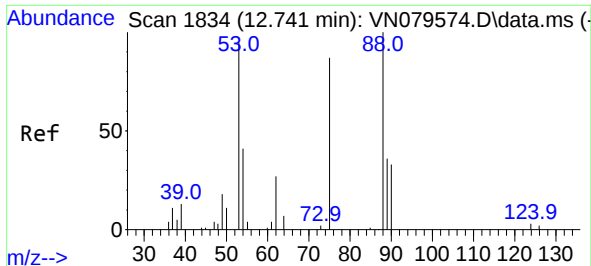
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#76
1,3,5-Trimethylbenzene
Concen: 1.732 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

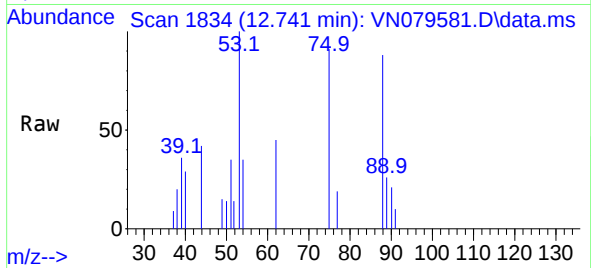
Tgt Ion:105 Resp: 15356
Ion Ratio Lower Upper
105 100
120 47.5 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 2.009 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

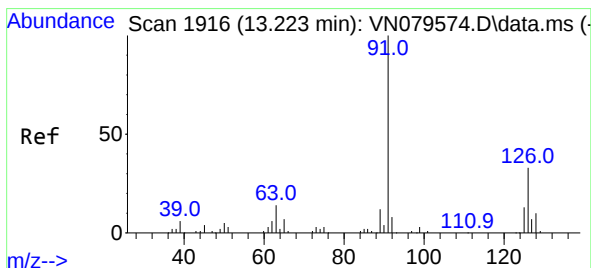
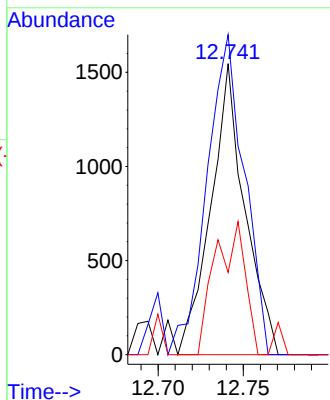
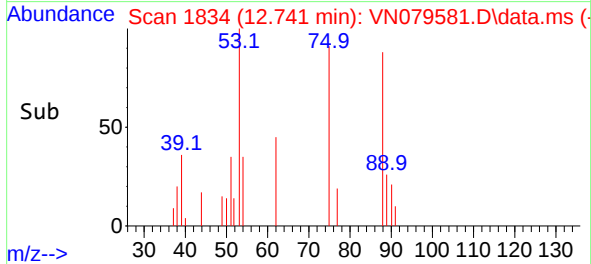
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



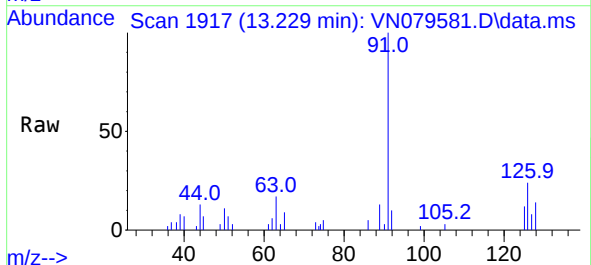
Tgt Ion: 75 Resp: 2148
Ion Ratio Lower Upper
75 100
53 110.0 53.0 159.1
89 28.3 22.6 67.7

Manual Integrations
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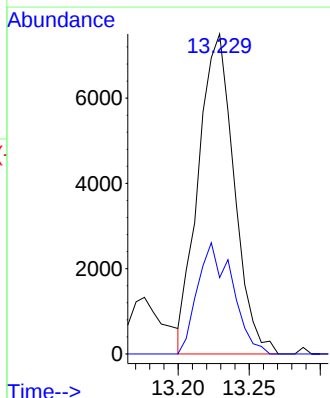
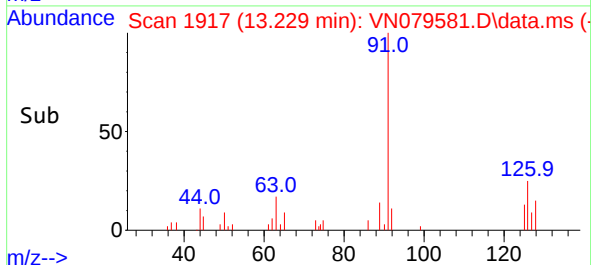
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

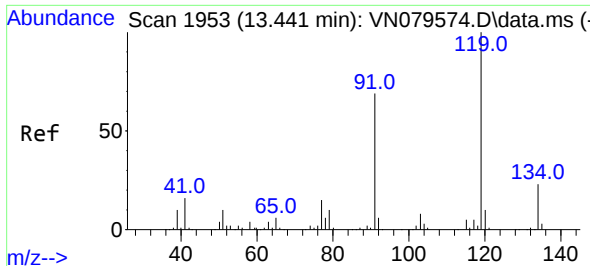


#78
4-Chlorotoluene
Concen: 1.775 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion: 91 Resp: 13168
Ion Ratio Lower Upper
91 100
126 33.9 0.0 65.4





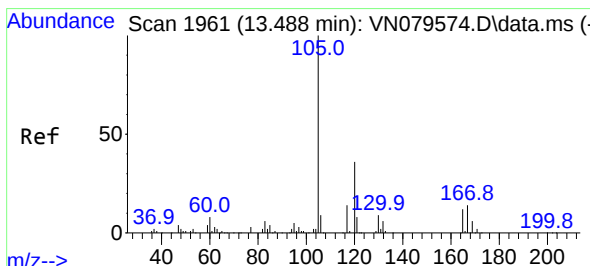
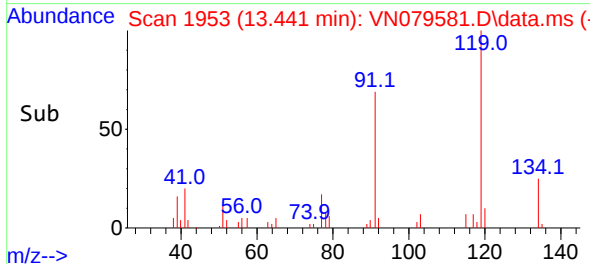
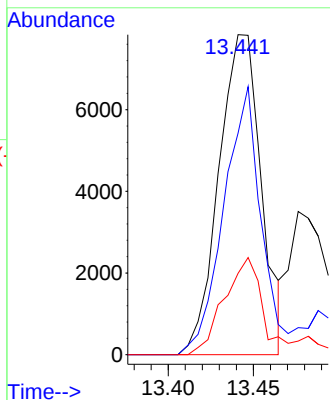
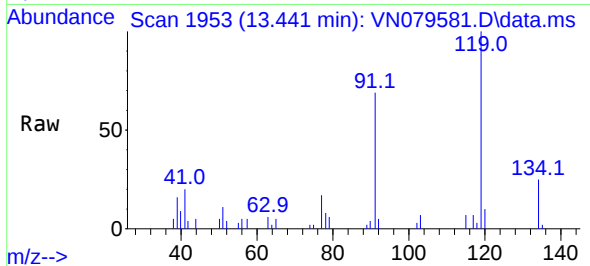
#79
tert-butylbenzene
Concen: 1.909 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:119 Resp: 1360
Ion Ratio Lower Upper
119 100
91 73.4 0.0 140.6
134 25.3 0.0 49.8

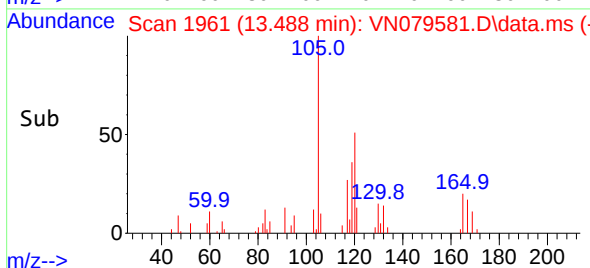
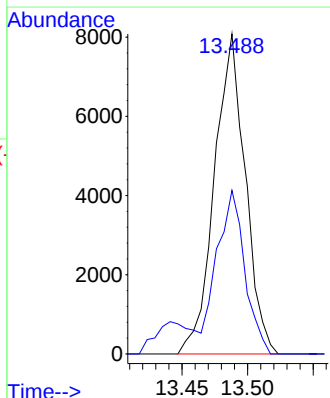
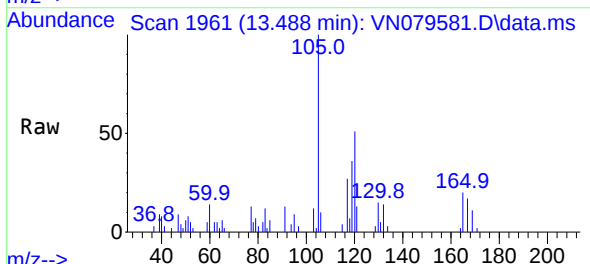
Manual Integrations
APPROVED

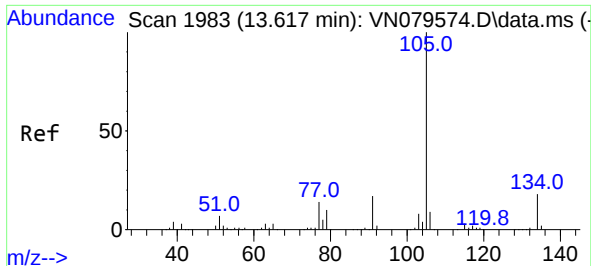
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#80
1,2,4-Trimethylbenzene
Concen: 1.538 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

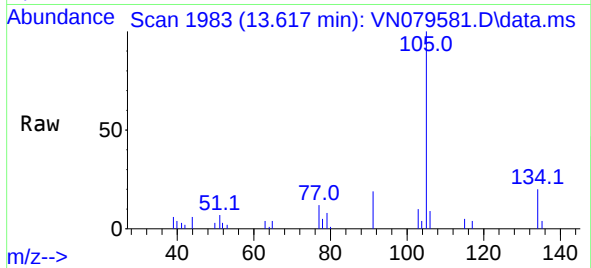
Tgt Ion:105 Resp: 13217
Ion Ratio Lower Upper
105 100
120 46.0 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 1.793 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN079581.D
 Acq: 17 Oct 2023 14:59

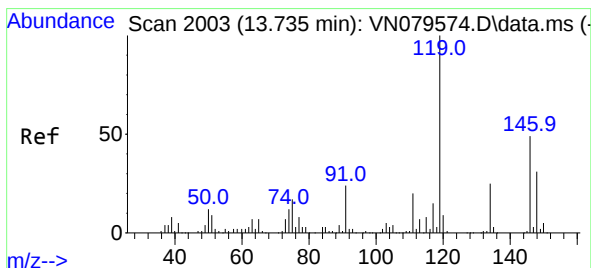
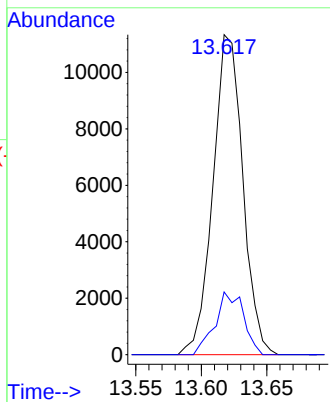
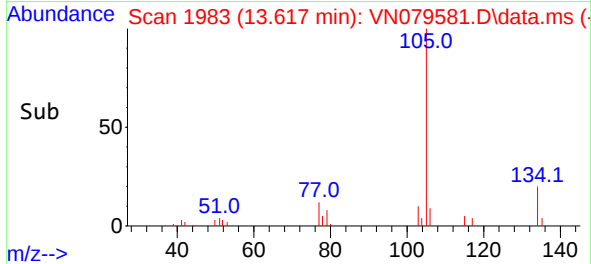
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023



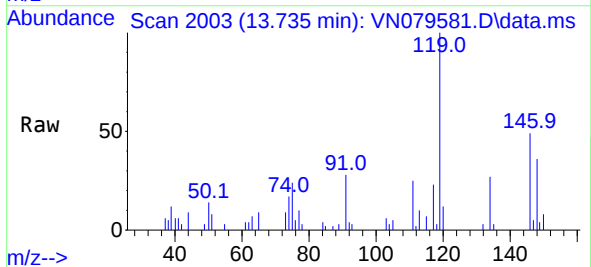
Tgt Ion:105 Resp: 1794
 Ion Ratio Lower Upper
 105 100
 134 18.7 0.0 38.2

Manual Integrations
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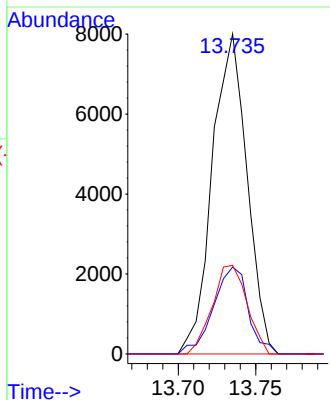
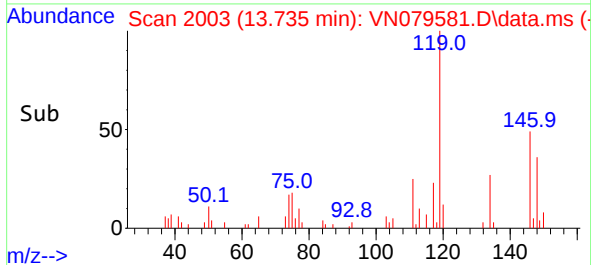
Reviewed By :John Carlone 10/18/2023
 Supervised By :Mahesh Dadoda 10/20/2023

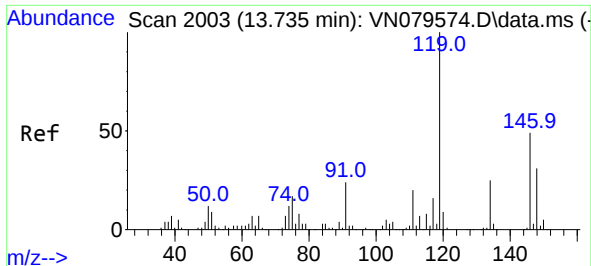


#82
 p-Isopropyltoluene
 Concen: 1.566 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079581.D
 Acq: 17 Oct 2023 14:59



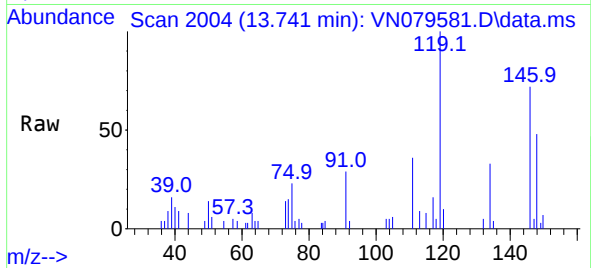
Tgt Ion:119 Resp: 12436
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 52.2
 91 27.7 0.0 50.0





#83
1,3-Dichlorobenzene
Concen: 1.742 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

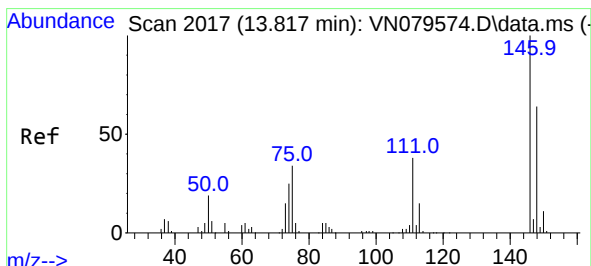
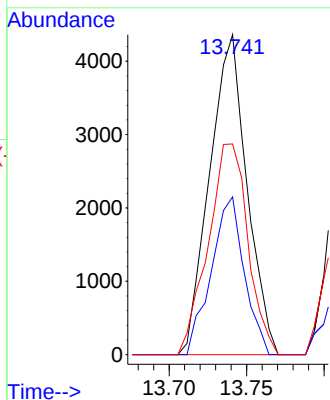
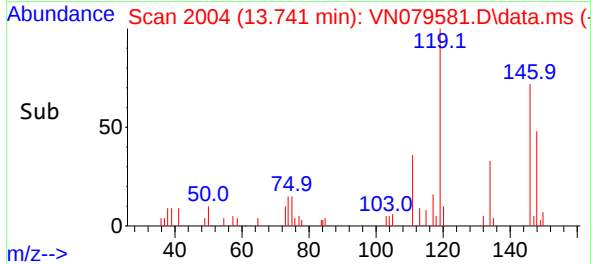
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:146 Resp: 7297
Ion Ratio Lower Upper
146 100
111 43.5 21.0 63.0
148 70.1 32.4 97.0

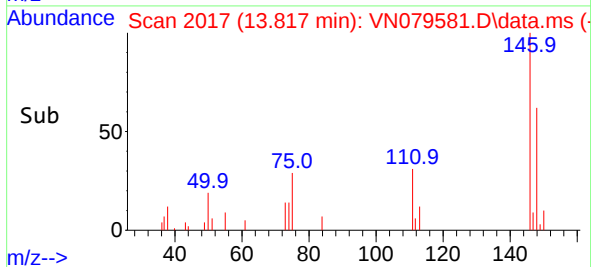
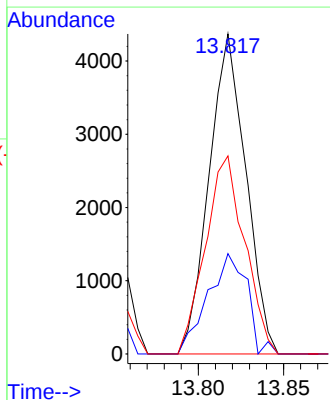
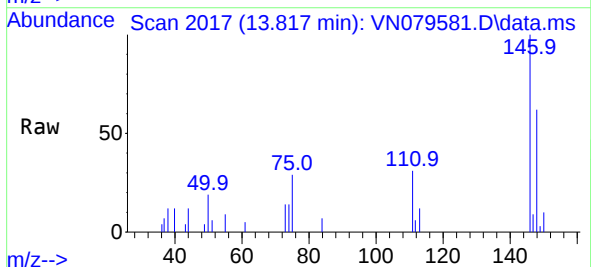
Manual Integrations
APPROVED

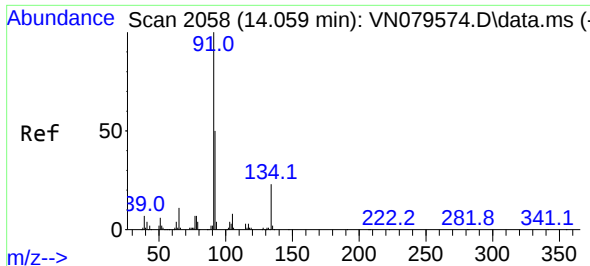
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#84
1,4-Dichlorobenzene
Concen: 1.637 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion:146 Resp: 6575
Ion Ratio Lower Upper
146 100
111 32.3 19.9 59.7
148 66.1 32.6 97.7





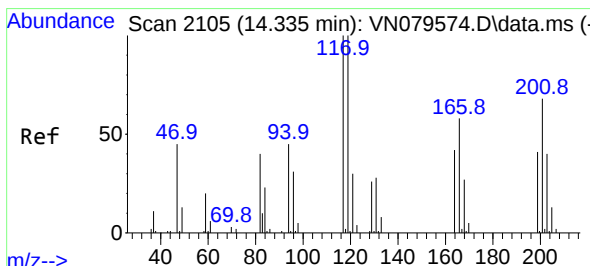
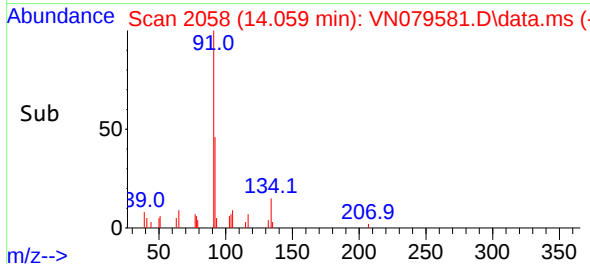
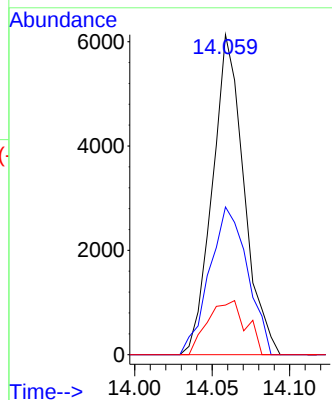
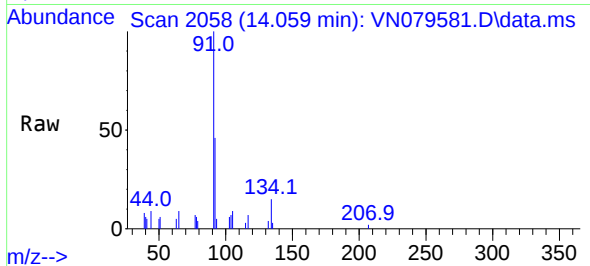
#85
n-Butylbenzene
Concen: 1.399 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 91 Resp: 868
Ion Ratio Lower Upper
91 100
92 55.6 0.0 99.6
134 20.4 0.0 46.2

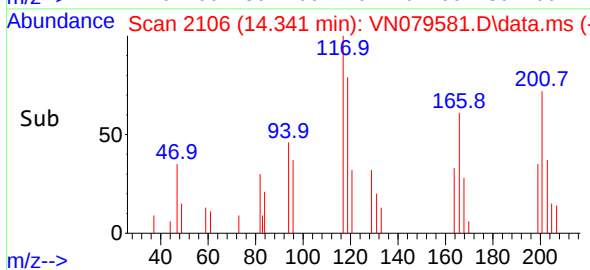
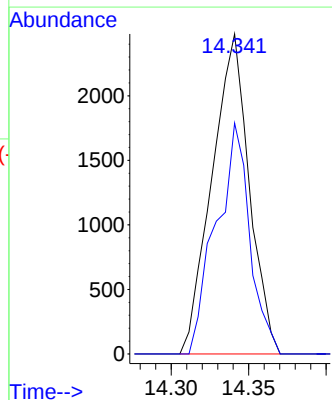
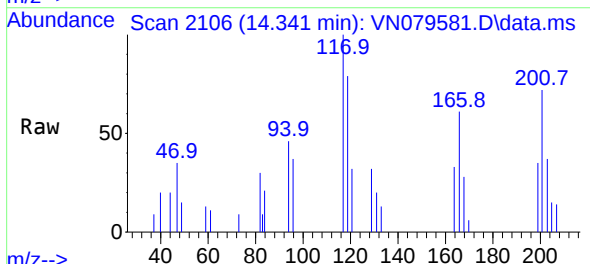
Manual Integrations
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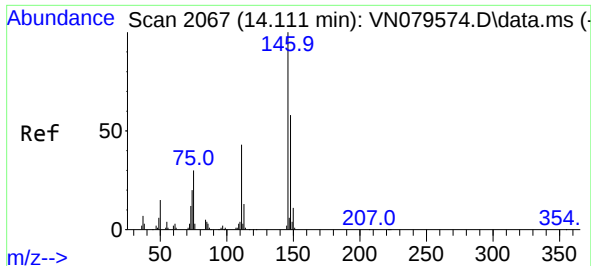
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#86
Hexachloroethane
Concen: 2.410 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

Tgt Ion:117 Resp: 4136
Ion Ratio Lower Upper
117 100
201 65.2 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 1.813 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:146 Resp: 755

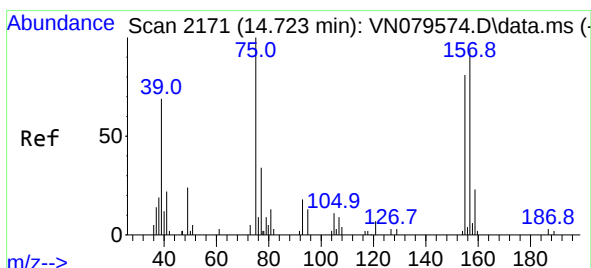
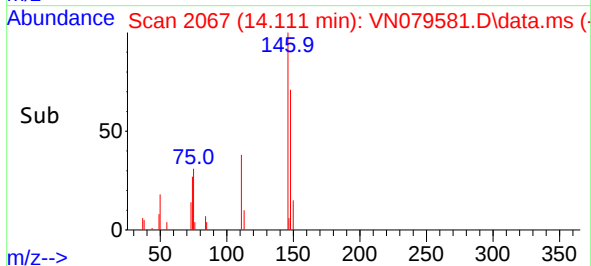
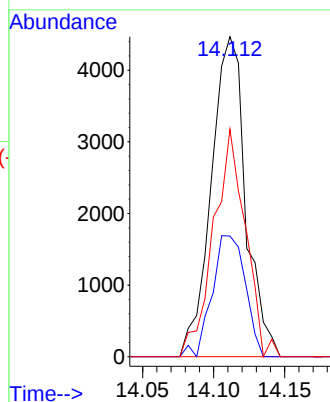
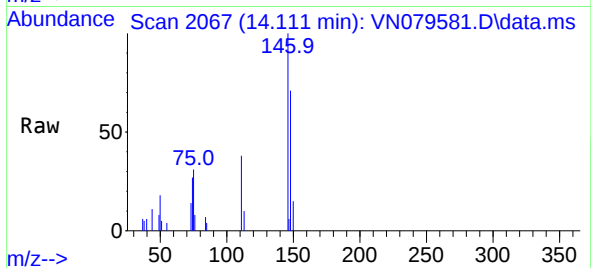
Ion	Ratio	Lower	Upper
146	100		
111	35.6	22.0	66.0
148	64.6	31.1	93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.032 ug/l

RT: 14.717 min Scan# 2170

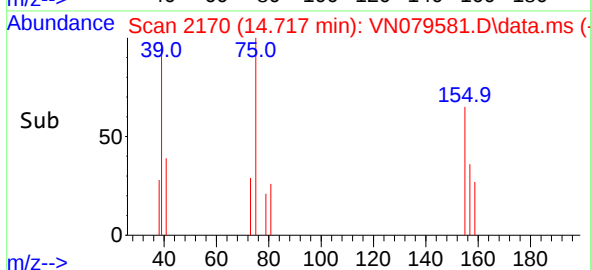
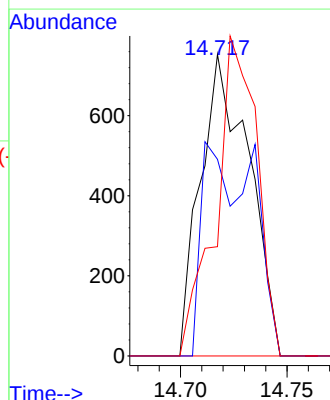
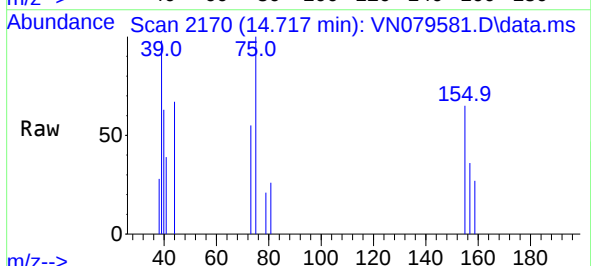
Delta R.T. -0.006 min

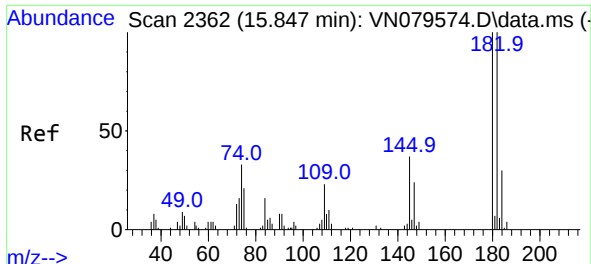
Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

Tgt Ion: 75 Resp: 1194

Ion	Ratio	Lower	Upper
75	100		
155	41.4	60.7	91.1#
157	89.4	76.8	115.2





#89

1,2,4-Trichlorobenzene

Concen: 1.333 ug/l m

RT: 15.847 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

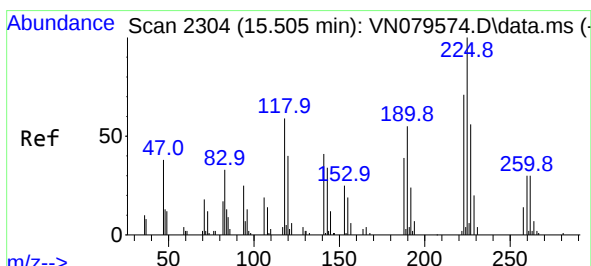
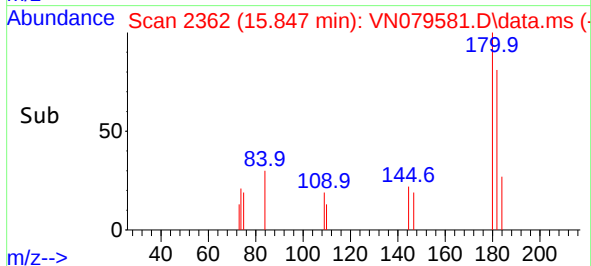
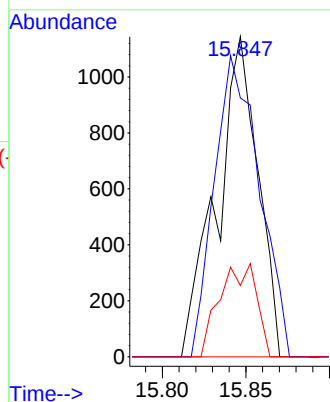
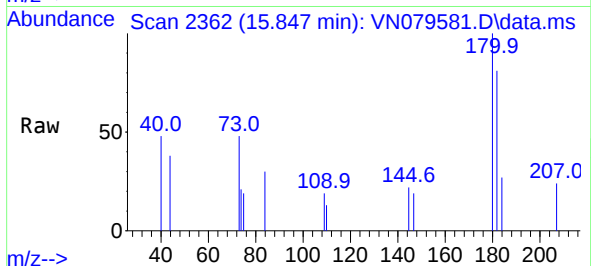
Tgt Ion:	180	Resp:	1950
Ion Ratio	Lower	Upper	
180	100		
182	102.9	74.2	111.4
145	26.0	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#90

Hexachlorobutadiene

Concen: 2.106 ug/l

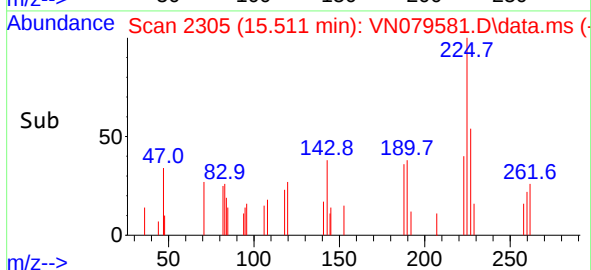
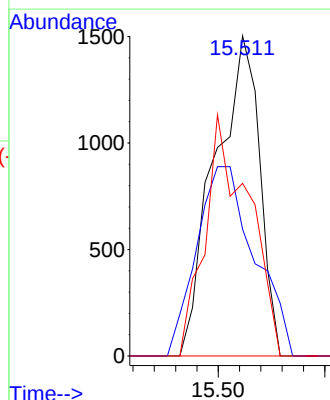
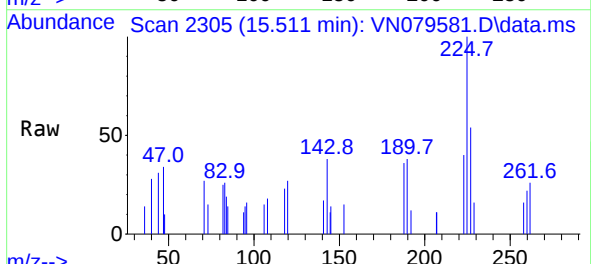
RT: 15.511 min Scan# 2305

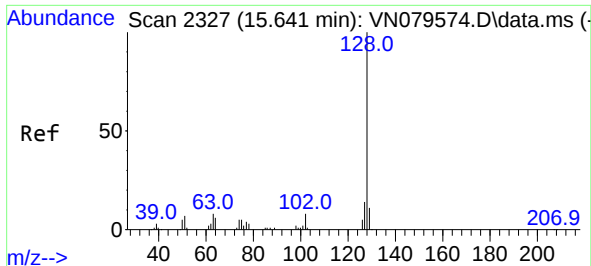
Delta R.T. 0.006 min

Lab File: VN079581.D

Acq: 17 Oct 2023 14:59

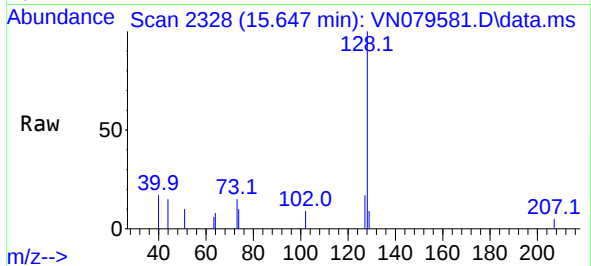
Tgt Ion:	225	Resp:	2190
Ion Ratio	Lower	Upper	
225	100		
223	76.8	0.0	126.0
227	43.9	0.0	127.0





#91
Naphthalene
Concen: 1.360 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59

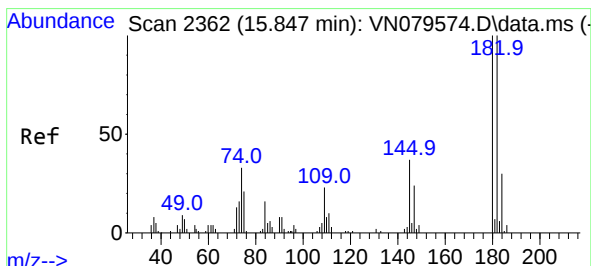
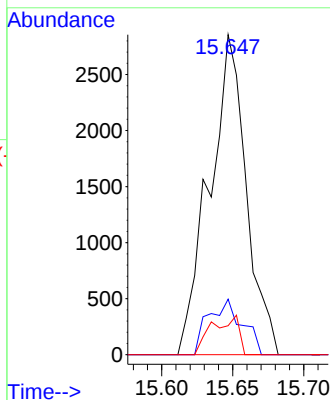
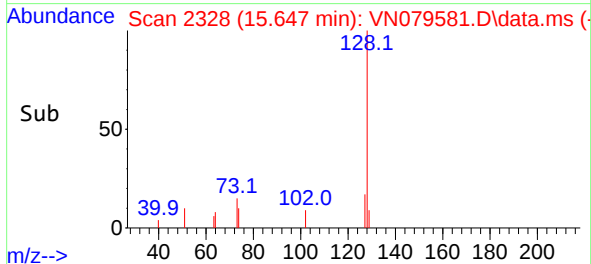
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



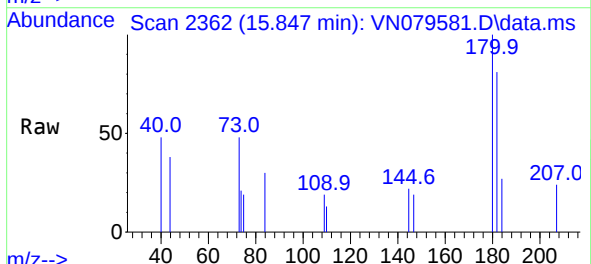
Tgt Ion:128 Resp: 515
Ion Ratio Lower Upper
128 100
127 3.0 10.9 16.3
129 4.2 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#92
1,2,3-Trichlorobenzene
Concen: 1.333 ug/l m
RT: 15.847 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VN079581.D
Acq: 17 Oct 2023 14:59



Tgt Ion:180 Resp: 1956
Ion Ratio Lower Upper
180 100
182 102.9 0.0 185.6
145 26.0 0.0 63.6

